

Capital Improvement Program

Sewers



Priority	Project Title	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
36	Program Management and Support Services 2029	0	0	0	0	9,180,180	0	9,180,180
37	Hamilton County Utility Oversight and Coordination 2025	4,800,000	0	0	0	0	0	4,800,000
38	Hamilton County Utility Oversight and Coordination 2026	0	4,968,000	0	0	0	0	4,968,000
39	Hamilton County Utility Oversight and Coordination 2027	0	0	5,141,880	0	0	0	5,141,880
40	Hamilton County Utility Oversight and Coordination 2028	0	0	0	5,321,850	0	0	5,321,850
41	Hamilton County Utility Oversight and Coordination 2029	0	0	0	0	5,508,110	0	5,508,110
42	Colerain-Bevis Pump Station Replacement	0	0	4,750,000	0	0	0	4,750,000
43	TCWWTP Aeration Basin Conversion	0	9,648,300	0	0	0	0	9,648,300
44	Barrington Hills, Gil Volz, and Kirkridge Acres P.S. Elim	0	9,992,400	0	0	0	0	9,992,400
45	Addyston Creek and Sewer Rehab	651,000	0	0	0	0	0	651,000
46	Muddy Creek Road and Rosebud Drive Sewer Replacement	0	0	0	452,000	0	0	452,000
47	Rapid Run and Foley Road PS Receiver Manhole Installation	0	0	0	274,900	0	0	274,900
48	MUWWTP UV Disinfection Replacement	495,000	0	4,533,000	0	0	0	5,028,000
49	Harvey Ave-Hickman Ave Sewer Replacement	0	0	0	1,440,000	0	0	1,440,000
50	Lower Mill Creek HW/DW Protection	5,963,500	0	0	0	0	0	5,963,500
51	SSO 603 and 704 Improvements	0	0	5,238,600	0	0	0	5,238,600
52	Wilder Avenue Sewer Replacement	0	679,700	0	0	0	0	679,700
53	Pleasant Run Pump Station Upgrades	0	29,179,000	0	0	0	0	29,179,000
54	Victory Parkway Sewer Rehabilitation	0	0	0	2,450,000	0	0	2,450,000
55	MCWWTP Dewatering Building Improvements	0	20,628,000	0	0	0	0	20,628,000
56	Shaffer Avenue Sewer Replacement	0	2,531,000	0	0	0	0	2,531,000
57	Tennessee Avenue (HN 1754) Sewer Replacement	0	313,280	0	0	0	0	313,280
58	Fyffe Avenue Sewer	0	0	0	1,378,000	0	0	1,378,000
59	Galbraith Rd to Sheldon Avenue Sewer Replacement	0	0	652,740	0	0	0	652,740
60	Clifton Avenue at Parker Street Sewer Replacement	0	240,000	0	591,000	0	0	831,000
61	Taft Road & McMillan Street Sewer Replacement	0	0	0	939,200	0	0	939,200
62	Ledgewood Ave Sewer Replacement	0	4,891,420	0	0	0	0	4,891,420
63	Davey Avenue to Hamilton Avenue Sewer Replacement	0	0	0	1,141,340	0	0	1,141,340
64	Village Woods Pump Station and System Improvements	0	0	740,600	0	0	0	740,600



Capital Improvement Program Sewers

Priority	Project Title	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
65	Loth Street (HN 2272) Sewer Relocation and Rehab	0	0	0	258,000	0	0	258,000
66	MCWWTP Primary Settling Electrical Equipment Replacement	0	0	219,000	506,000	0	0	725,000
67	MCWWTP Dewatering Building Odor Control	0	0	2,301,300	0	0	0	2,301,300
68	Morrison Avenue Sewer Replacement	0	390,000	0	1,950,000	0	0	2,340,000
69	Winton Lake Aerial Sewer Structure and Weir Modifications	100,000	170,000	0	0	0	0	270,000
70	Anthony to Innes Sewer Replacement	0	679,000	0	0	0	0	679,000
71	Bold Face Pump Station Study	0	2,486,700	0	0	0	0	2,486,700
72	Walnut Hills Cemetery Sewer Replacement	0	0	210,000	400,000	0	0	610,000
73	I-75 Lockland Split Sewer Rehabilitation	435,000	0	0	0	0	0	435,000
74	East Loveland Ave Sewer Replacement Phase 2	0	0	858,000	0	0	0	858,000
75	SCWWTP Secondary Clarifier Upgrade	0	0	5,340,000	0	0	0	5,340,000
76	Linwood Avenue Sewer Replacement	0	733,500	0	0	0	0	733,500
77	Paxton Avenue Sewer Rehabilitation	0	2,862,000	0	0	0	0	2,862,000
78	Elsmere Avenue from Slane to Lafayette Sewer Replacement	0	0	0	8,222,300	0	0	8,222,300
79	Wasson Ravine Sewer Replacement	0	0	2,038,000	0	0	0	2,038,000
80	Wayside Hills Pump Station	0	0	0	1,470,000	0	0	1,470,000
81	Wayside Avenue and Colter Avenue Sewer Improvements	0	0	0	1,470,800	0	0	1,470,800
82	Madison Rd and Edwards Rd Sewer Improvements	0	0	0	2,794,130	0	0	2,794,130
83	Delta Ave at Linwood Ave Sewer Replacement	0	539,000	0	4,050,000	0	0	4,589,000
84	Little Miami Interceptor Sluice Gate Replace and Relocate	0	64,000	104,000	0	0	0	168,000
85	Chandler Street Sewer Improvements	0	415,000	1,124,000	0	0	0	1,539,000
86	Hydraulic Modeling Support 2025	2,891,790	0	0	0	0	0	2,891,790
87	Hydraulic Modeling Support 2026	0	2,993,000	0	0	0	0	2,993,000
88	Hydraulic Modeling Support 2027	0	0	3,097,760	0	0	0	3,097,760
89	Hydraulic Modeling Support 2028	0	0	0	3,206,180	0	0	3,206,180
90	Hydraulic Modeling Support 2029	0	0	0	0	3,315,290	0	3,315,290
91	Critical Asset Management 2025	7,687,310	0	0	0	0	0	7,687,310
92	Critical Asset Management 2026	0	7,956,360	0	0	0	0	7,956,360
93	Critical Asset Management 2027	0	0	8,234,840	0	0	0	8,234,840
94	Critical Asset Management 2028	0	0	0	8,523,060	0	0	8,523,060
95	Critical Asset Management 2029	0	0	0	0	8,523,060	0	8,523,060
96	Prioritized Wastewater Collection System Asset Man 2025	22,174,360	0	0	0	0	0	22,174,360

Capital Improvement Program

Sewers



Priority	Project Title	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
97	Prioritized Wastewater Collection System Asset Man 2026	0	22,950,460	0	0	0	0	22,950,460
98	Prioritized Wastewater Collection System Asset Man 2027	0	0	23,754,400	0	0	0	23,754,400
99	Prioritized Wastewater Collection System Asset Man 2028	0	0	0	24,585,800	0	0	24,585,800
100	Prioritized Wastewater Collection System Asset Man 2029	0	0	0	0	25,446,300	0	25,446,300
101	CIP Planning 2025	1,000,000	0	0	0	0	0	1,000,000
102	CIP Planning 2026	0	1,035,000	0	0	0	0	1,035,000
103	CIP Planning 2027	0	0	1,071,230	0	0	0	1,071,230
104	CIP Planning 2028	0	0	0	1,108,720	0	0	1,108,720
105	CIP Planning 2029	0	0	0	0	1,147,520	0	1,147,520
106	Flow Monitoring Support 2025	2,120,000	0	0	0	0	0	2,120,000
107	Flow Monitoring Support 2026	0	2,194,200	0	0	0	0	2,194,200
108	Flow Monitoring Support 2027	0	0	2,271,000	0	0	0	2,271,000
109	Flow Monitoring Support 2028	0	0	0	2,350,480	0	0	2,350,480
110	Flow Monitoring Support 2029	0	0	0	0	2,432,750	0	2,432,750
111	Kenwood Hills Local Sewer	11,394,150	0	0	0	0	0	11,394,150
MSD Capital Improvements Total		514,357,770	207,969,360	174,990,810	114,927,090	62,229,100	0	1,074,474,130
Department of Sewers Total		514,357,770	207,969,360	174,990,810	114,927,090	62,229,100	0	1,074,474,130



MSD Capital Improvements Fund

Muddy Creek PSU & Force Main

Dept. Priority: 1

Description

The Muddy Creek Pump Station is a dry pit type pump station constructed in 1959. The pump station is at the downstream end of the Muddy Creek Interceptor and accepts flows from this interceptor in addition to all of the flow from the Addyston combined sewer system that is conveyed through an inverted siphon across Muddy Creek. The pump station has three horizontal direct coupled centrifugal pumps with a capacity of 9.1 MGD and a firm capacity of approximately 5.5 MGD. During wet weather, the pump station is unable to convey the high flows, which causes the pump station to overflow. The capacity issues at the pump station also prohibit new developments in the service area. The obsolete design of the pump station that was constructed in 1959 has led to decreased reliability in both wet weather and dry weather conditions. The project will evaluate replacement or elimination of the pump station based on capacity and the condition assessment information.

Purpose

This project is required by the Global Consent Decree as part of the West Branch Muddy Creek Bundle. This project will upgrade the Muddy Creek Pump Station to provide increased capacity. The flow will continue to be conveyed to the West Branch Muddy Creek Interceptor. This is associated with Index 216 in Attachment 2 of the Final WWIP.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	9,871,000	0	0	0	9,871,000
MSD Capital Improvements	0	0	0	9,871,000	0	0	0	9,871,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Addyston Pump Station Elimination

Dept. Priority: 2

Description

The Addyston Pump Station currently pumps to a 12 inch combined sewer that is tributary to SSO 675A and the Muddy Creek Pump Station. The pump station was constructed in 1955 and requires a high-level of maintenance. Due to the current lack of capacity, the pump station experiences frequent overflows during wet weather events and the potential exists for the pump station to be flooded during high water conditions due to the proximity to the Ohio River. The project will evaluate the elimination of the pump station. The project will also incorporate scope from the Addyston Extraneous Stormwater Removal project (10230140)

Capital Improvement Program

Sewers



including storm sewer separation from the surrounding combined sewers along Bowman Lane, Main Street, Church Street, and Sekitan Avenue.

Purpose

This project will eliminate the aging Addyston Pump Station and provide inline storage using a flow control device that will limit the total flow into the Muddy Creek Pump Station to 10.5 MGD from the Muddy Creek Interceptor and Addyston Area. This is associated with Index 235 in Attachment 2 of the Final WWIP.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	0	11,141,000	0	0	11,141,000
MSD Capital Improvements	0	0	0	0	11,141,000	0	0	11,141,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Muddy Creek WWTP Pump Station

Dept. Priority: 3

Description

This project includes the design and construction of a raw sewage pumping facility and high-rate treatment (HRT) facility to serve the Muddy Creek Wastewater Treatment Plant. To meet the wet-weather treatment demands, plant capacity will be maximized, and an HRT facility will be constructed to meet 59 MGD. This project will construct a new pump station that can pump up to 59 MGD with future expansion to 122 MGD. The HRT will be designed and constructed to be expanded to meet 122 MGD of total wet-weather throughput (WWTP and HRT combined capacity). To make room for this expansion the existing ash lagoons will be repurposed for the new facilities and the flood protection levee will be modified and expanded. The influent sewers to the plant will be modified to allow for future projects and expansions and redirect flow to the new pump station.

Purpose

This project is one of several projects replacing Index 215 of Attachment 2 of MSDGC's WWIP. This project, in conjunction with other conveyance improvements are intended to meet Remaining Overflow Volume obligations consistent with Attachment 2. This project incorporates 7 of the 26 projects identified in the West Branch Muddy Creek Planning project as necessary for the construction and operation of the EHRT and pumping station.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	0	1,865,000	0	0	0	1,865,000
MSD Capital Improvements	0	0	0	1,865,000	0	0	0	1,865,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



East Branch Ohio River Interceptor Extension

Dept. Priority: 4

Description

This project will plan, design, and construct conveyance system infrastructure improvements to increase flow from combined sewer overflows (CSOs) 666, 430, 431, 432, and 489 to the Mill Creek WWTP. Overflow volumes from CSOs 666, 430, and 431 will be mitigated, and overflow volumes from CSOs 432 and 489 will be eliminated via separation. This effort will involve design and construction coordination with ODOT on their upcoming project, HAM 75 113361, as well as full construction cost reimbursement from ODOT.

Purpose

The purpose of this project is to maximize the benefit of treatment at the proposed MCWWTP HRT, to allow ODOT use of the existing McLean Avenue Sewer as a storm only conveyance, and to significantly reduce overflow to the Mill Creek from the above listed CSOs, particularly during the typical year.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	163,150,000	0	0	0	0	0	163,150,000
Engineering	1,900,000	0	0	0	0	0	0	0
MSD Capital Improvements	1,900,000	163,150,000	0	0	0	0	0	163,150,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

MCWWTP High Rate Treatment Pump Station

Dept. Priority: 5

Description

The Mill Creek Raw Sewage Pump Station consists of two physically separate pumping stations: The North PS and the South PS. The North PS was constructed in the mid-1950's and consists of nine vertical centrifugal pumps rated at 40 MGD each. The South PS was constructed in the late 1980's and consists of three vertical centrifugal pumps with two rated at 65 MGD each and one rated at 30 MGD. Existing firm plant capacity is 455 MGD. Recent hydraulic modeling has concluded that up to 700 MGD could be conveyed to the MCWWTP. Expanding the treatment capacity of the MCWWTP to 700 MGD will require the existing influent firm pumping capacity to be upgraded. Additionally, the existing pump station wet wells are not divided into sections to facilitate repairs or cleaning and leads to floatable accumulations, grit build-up, and pump clogging. This Progressive Design-Build project will construct a new pump station to be connected to both a recently constructed diversion structure and to a future wet weather facility. This is the second step of construction necessary to construct the future wet weather facility.

Purpose

The current WWTP pump station lacks the ability to isolate the influent diversion chamber and the north PS wet well, and is a known risk. Recent physical scale model and computation fluid dynamics (CFD) studies have shown that there is no other feasible way to increase plant pumping capacity with the existing wet wells. Building additional pumping capacity and a new larger diversion chamber at the Mill Creek WWTP

Capital Improvement Program

Sewers



site would be required. Thus, any additional wet weather treatment capacity at the plant will require a new pump station. This is associated with Index 248 in Attachment 2 of the Final WWIP.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	268,858,240	0	0	0	0	0	268,858,240
MSD Capital Improvements	0	268,858,240	0	0	0	0	0	268,858,240
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

CSO 24 Regulator Improvements

Dept. Priority: 6

Description

Combined Sewer Outfall (CSO) 24, located in the Ludlow Run sewer system, has chronic underflow drain blockages that cause dry weather overflows into the Mill Creek. The project will evaluate hydraulic improvements for the underflow pipe and condition of the nearby sewer system. The project is located in the Northside neighborhood of Cincinnati and the bottom of the Kings Run watershed.

Purpose

The project is being driven by the number of chronic blockages in the existing underflow pipe which has multiple bends in it, which cause hydraulic constraints. Since Feb. of 2020, the CSO has experienced 26 blockages that resulted in 26 dry-weather overflows. The project will reduce maintenance demands on staff and equipment to remove blockage while also addressing high and extreme risk sewer segments in the vicinity. The project will coordinate with findings of the Ludlow Run Source Control project as necessary.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	167,000	0	418,000	0	0	0	0	418,000
MSD Capital Improvements	167,000	0	418,000	0	0	0	0	418,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Pictoria Drive Sewer Conveyance Improvements

Dept. Priority: 7

Description

Within the City of Springdale, south of Interstate-275 and Pictoria Drive, two 15 inch diameter sanitary sewers drain into a single 15 inch diameter sanitary sewer. The existing system surcharges with documented SBUs and a sanitary sewer overflow (SSO 1048). The area is experiencing significant development that will increase sanitary flows within a capacity-limited system. The project will evaluate alternatives to improve conveyance capacity for both localized systems by installing a new route for the system north of I-275 to a point downstream, near Princeton Pike, where capacity exists in the MSD system to receive it.

Purpose

The anticipated solution will abandon the 15 inch I-275 crossing at Pictoria Drive, and install new sewer to route those flows along the north side of I-275 to the point in the trunk sewer where capacity appears to



exist. Initial modeling indicates this bypass sewer concept would reduce the 2-year overflow volume at SSO 1048 from 0.023-MG to 0.007-MG, and this benefit does not appear to create an adverse impact downstream.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	265,000	1,696,000	0	0	1,961,000
MSD Capital Improvements	0	0	0	265,000	1,696,000	0	0	1,961,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

CSO 182 Strategic Sewer Separation

Dept. Priority: 8

Description

The project will convey separated storm flows from the Mt. Washington Source Control Implementation project (PID 10172940) to a new stormwater outfall at the headwaters of Berkshire Creek in the vicinity of CSO 182. This project will include approximately 3,500 LF of 54 inch diameter or larger storm sewer. Additionally, the project will include minor stormwater separation, where convenient, along the proposed alignment.

Purpose

This project is part of an adaptive management strategy to replace project 10170890 - Berkshire HRT under index 317 of WWIP Attachment 2. Updated flow monitoring and modeling shows annual overflow volumes at CSO 182 do not support construction of an HRT.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	5,478,620	0	0	5,478,620
MSD Capital Improvements	0	0	0	0	5,478,620	0	0	5,478,620
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

LMWWTP Electrical, Primary, and Secondary Improvements

Dept. Priority: 9

Description

To eliminate the flow bypassing the Little Miami WWTP and comply with MSD's Consent Decree, MSD has prioritized evaluation of an HRT and treatment plant upgrades. The LMWWTP Electrical, Primary, and Secondary Improvements includes repairs and equipment replacements at Primary and Secondary Treatment to restore the useful life of the facilities as well as modify the facilities to support expanded treatment capacity from 55 MGD to 100 MGD. This project also includes replacement of electrical equipment that is beyond its useful life and should address anticipated future capacity needs.

Purpose

The Little Miami WWTP is the 2nd largest treatment plant operated by MSD with a permitted capacity of 55 MGD for secondary treatment. During wet weather, up to about 100 MGD bypasses the plant and is discharged to the Ohio River through the auxiliary outfall. The capacity will be increased by WWIP projects that include increasing total influent pumping at the plant, thus reducing upstream CSOs to help meet ROV

Capital Improvement Program

Sewers



requirements. This project is intended to repair and replace primary and secondary treatment equipment as necessary to expand treatment capacity to 100 MGD, and includes replacement of electrical equipment that is beyond its useful life and requires an increase in capacity for future.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	58,728,600	0	0	0	0	58,728,600
Engineering	0	335,230	0	0	0	0	0	335,230
MSD Capital Improvements Total	0	335,230	58,728,600	0	0	0	0	59,063,830
Estimated Personnel Cost	0	0	0	0	0	0	0	0

LMWWTP High Rate Treatment Preparation

Dept. Priority: 10

Description

To eliminate the flow bypassing the Little Miami WWTP and comply with MSD's Consent Decree, MSD has prioritized evaluation of an HRT and treatment plant upgrades. The Little Miami Treatment Plant has very limited space. Several buildings are currently located in the proposed location of the HRT. This project is intended to relocate the maintenance building. The project also includes demolition of the existing Incineration, Sludge Receiving, Sludge Disposal, and Odor Control buildings which already are or will be obsolete by the time of this project. Additionally, assets and structures in nearby buildings slated for demolition will be preserved as needed. This project will also include the construction of an electrical building for the HRT.

Purpose

The Little Miami WWTP is the 2nd largest treatment plant operated by MSD with a permitted capacity of 55 MGD for secondary treatment. During wet weather, up to about 100 MGD bypasses the plant and is discharged to the Ohio River through the auxiliary outfall. The capacity will be increased by WWIP projects that include increasing total influent pumping at the plant, thus reducing upstream CSOs to help meet ROV requirements. This project is intended to repair and replace primary and secondary treatment equipment as necessary to expand treatment capacity to 100 MGD, and includes replacement of electrical equipment that is beyond its useful life and requires an increase in capacity for the future.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	45,653,500	0	0	0	45,653,500
Engineering	0	2,705,000	0	0	0	0	0	2,705,000
MSD Capital Improvements Total	0	2,705,000	0	45,653,500	0	0	0	48,358,500
Estimated Personnel Cost	0	0	0	0	0	0	0	0

LMWWTP HRT Facility

Dept. Priority: 11

Description

This project was formerly known as LMWWTP HRT Facility, Pumping, and Disinfection Improvements as presented at SG1 on July 6, 2022. To eliminate the flow bypassing the Little Miami WWTP and comply with MSD's Consent Decree, MSD has prioritized evaluation of an HRT and treatment plant upgrades. This proj-



ect is intended to construct an HRT facility, upgrade the treatment plant influent pumping, and expand the capacity of the disinfection process. The upgrades include constructing a new cloth media filter technology HRT facility, as well as upgrades to the two existing influent pump stations and building an additional disinfection tank.

Purpose

The Little Miami WWTP is the 2nd largest treatment plant operated by MSD with a permitted capacity of 55 MGD for secondary treatment. During wet weather, up to about 100 MGD bypasses the plant and is discharged to the Ohio River through the auxiliary outfall. The capacity will be increased by WWIP projects that include increasing total influent pumping at the plant, thus reducing upstream CSOs to help meet ROV requirements. This project is intended to repair and replace primary and secondary treatment equipment as necessary to expand treatment capacity to 100 MGD, and includes replacement of electrical equipment that is beyond its useful life and requires an increase in capacity for the future.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	24,662,500	0	0	0	24,662,500
MSD Capital Improvements	0	0	0	24,662,500	0	0	0	24,662,500
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Main Sewer Renewal Program 2025

Dept. Priority: 12

Description

This allowance funds the renewal, repair, and rehabilitation of existing main sewers using trenchless technologies to restore the hydraulic performance of the sewer. Trenchless technologies provide many benefits such as: shorter project duration, safer, and more cost effective installations. Methods include, but are not limited to: slip-lining, point lining, spiral wound lining, pipe bursting, carbon filament wrapping, directional drilling, jack-and-boring, and cured-in-place-piping methods. The sewer segments addressed by this allowance are identified through investigations (condition assessments) of the sewer lines and are prioritized utilizing the Gravity Sewer Asset Management System (GSAM) based on their structural condition, and the likelihood and consequence of their failure.

Purpose

Formerly known as the Trenchless Technology Sewer Rehabilitation Allowance this program provides a cost-effective method of rehabilitating deteriorated existing main sewers while improving the hydraulic performance of the sewer. This work may also increase development credits upstream of an SSO.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	6,895,850	0	0	0	0	0	6,895,850
MSD Capital Improvements	0	6,895,850	0	0	0	0	0	6,895,850
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Main Sewer Renewal Program 2026

Dept. Priority: 13

Description

This allowance funds the renewal, repair, and rehabilitation of existing main sewers using trenchless technologies to restore the hydraulic performance of the sewer. Trenchless technologies provide many benefits such as: shorter project duration, safer, and more cost effective installations. Methods include, but are not limited to: slip-lining, point lining, spiral wound lining, pipe bursting, carbon filament wrapping, directional drilling, jack-and-boring, and cured-in-place-piping methods. The sewer segments addressed by this allowance are identified through investigations (condition assessments) of the sewer lines and are prioritized utilizing the Gravity Sewer Asset Management System (GSAM) based on their structural condition, and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which the critical main sewer assets are sufficiently maintained.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	7,137,210	0	0	0	0	7,137,210
MSD Capital Improvements	0	0	7,137,210	0	0	0	0	7,137,210
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Main Sewer Renewal Program 2027

Dept. Priority: 14

Description

This allowance funds the renewal, repair, and rehabilitation of existing main sewers using trenchless technologies to restore the hydraulic performance of the sewer. Trenchless technologies provide many benefits such as: shorter project duration, safer, and more cost effective installations. Methods include, but are not limited to: slip-lining, point lining, spiral wound lining, pipe bursting, carbon filament wrapping, directional drilling, jack-and-boring, and cured-in-place-piping methods. The sewer segments addressed by this allowance are identified through investigations (condition assessments) of the sewer lines and are prioritized utilizing the Gravity Sewer Asset Management System (GSAM) based on their structural condition, and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which the critical main sewer assets are sufficiently maintained.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	7,387,010	0	0	0	7,387,010
MSD Capital Improvements	0	0	0	7,387,010	0	0	0	7,387,010
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Main Sewer Renewal Program 2028

Dept. Priority: 15

Description

This allowance funds the renewal, repair, and rehabilitation of existing main sewers using trenchless technologies to restore the hydraulic performance of the sewer. Trenchless technologies provide many benefits such as: shorter project duration, safer, and more cost effective installations. Methods include, but are not limited to: slip-lining, point lining, spiral wound lining, pipe bursting, carbon filament wrapping, directional drilling, jack-and-boring, and cured-in-place-piping methods. The sewer segments addressed by this allowance are identified through investigations (condition assessments) of the sewer lines and are prioritized utilizing the Gravity Sewer Asset Management System (GSAM) based on their structural condition, and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which the critical main sewer assets are sufficiently maintained.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	7,645,560	0	0	7,645,560
MSD Capital Improvements	0	0	0	0	7,645,560	0	0	7,645,560
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Main Sewer Renewal Program 2029

Dept. Priority: 16

Description

This allowance funds the renewal, repair, and rehabilitation of existing main sewers using trenchless technologies to restore the hydraulic performance of the sewer. Trenchless technologies provide many benefits such as: shorter project duration, safer, and more cost effective installations. Methods include, but are not limited to: slip-lining, point lining, spiral wound lining, pipe bursting, carbon filament wrapping, directional drilling, jack-and-boring, and cured-in-place-piping methods. The sewer segments addressed by this allowance are identified through investigations (condition assessments) of the sewer lines and are prioritized utilizing the Gravity Sewer Asset Management System (GSAM) based on their structural condition, and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which the critical main sewer assets are sufficiently maintained.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	0	1,281,260	0	1,281,260
MSD Capital Improvements	0	0	0	0	0	1,281,260	0	1,281,260
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Capital Improvement Program

Sewers



Manhole Renewal Program 2025

Dept. Priority: 17

Description

This allowance funds the repair, rehabilitation and replacement of structurally deteriorated manholes throughout the system. The work includes manhole repairs, rim adjustments, replacement, and chimney repairs to accommodate street paving and improvement projects. Manhole repairs, rehab and replacement projects are prioritized based on their structural condition and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which manholes can be maintained and replaced system-wide.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	1,116,840	0	0	0	0	0	1,116,840
MSD Capital Improvements	0	1,116,840	0	0	0	0	0	1,116,840
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Manhole Renewal Program 2026

Dept. Priority: 18

Description

This allowance funds the repair, rehabilitation and replacement of structurally deteriorated manholes throughout the system. The work includes manhole repairs, rim adjustments, replacement, and chimney repairs to accommodate street paving and improvement projects. Manhole repairs, rehab and replacement projects are prioritized based on their structural condition and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which manholes can be maintained and replaced system-wide.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	1,155,620	0	0	0	0	1,155,620
MSD Capital Improvements	0	0	1,155,620	0	0	0	0	1,155,620
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Manhole Renewal Program 2027

Dept. Priority: 19

Description

This allowance funds the repair, rehabilitation and replacement of structurally deteriorated manholes throughout the system. The work includes manhole repairs, rim adjustments, replacement, and chimney



repairs to accommodate street paving and improvement projects. Manhole repairs, rehab and replacement projects are prioritized based on their structural condition and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which manholes can be maintained and replaced system-wide.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	1,196,070	0	0	0	1,196,070
MSD Capital Improvements	0	0	0	1,196,070	0	0	0	1,196,070
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Manhole Renewal Program 2028

Dept. Priority: 20

Description

This allowance funds the repair, rehabilitation and replacement of structurally deteriorated manholes throughout the system. The work includes manhole repairs, rim adjustments, replacement, and chimney repairs to accommodate street paving and improvement projects. Manhole repairs, rehab and replacement projects are prioritized based on their structural condition and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which manholes can be maintained and replaced system-wide.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	1,237,930	0	0	1,237,930
MSD Capital Improvements	0	0	0	0	1,237,930	0	0	1,237,930
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Manhole Renewal Program 2029

Dept. Priority: 21

Description

This allowance funds the repair, rehabilitation and replacement of structurally deteriorated manholes throughout the system. The work includes manhole repairs, rim adjustments, replacement, and chimney repairs to accommodate street paving and improvement projects. Manhole repairs, rehab and replacement

Capital Improvement Program

Sewers



projects are prioritized based on their structural condition and the likelihood and consequence of their failure.

Purpose

This program provides the primary method by which manholes can be maintained and replaced system-wide.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	0	1,281,260	0	1,281,260
MSD Capital Improvements	0	0	0	0	0	1,281,260	0	1,281,260
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Urgent Capacity Response 2025

Dept. Priority: 22

Description

This allowance targets urgent CSO community needs, SBU clusters, and unpermitted overflows with measures that protect or restore sewer capacity across the MSD service area. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program provides capacity by which MSD can respond to chronic SBU related needs with a variety of potential actions to study and analyze them.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	1,517,500	0	0	0	0	0	1,517,500
MSD Capital Improvements	0	1,517,500	0	0	0	0	0	1,517,500
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Urgent Capacity Response 2026

Dept. Priority: 23

Description

This allowance targets urgent CSO community needs, SBU clusters, and unpermitted overflows with measures that protect or restore sewer capacity across the MSD service area. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program provides capacity by which MSD can respond to chronic SBU related needs with a variety of potential actions to study and analyze them.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	1,570,610	0	0	0	0	1,570,610
MSD Capital Improvements	0	0	1,570,610	0	0	0	0	1,570,610
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Urgent Capacity Response 2027

Dept. Priority: 24

Description

This allowance targets urgent CSO community needs, SBU clusters, and unpermitted overflows with measures that protect or restore sewer capacity across the MSD service area. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program provides capacity by which MSD can respond to chronic SBU related needs with a variety of potential actions to study and analyze them.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	1,625,580	0	0	0	1,625,580
MSD Capital Improvements	0	0	0	1,625,580	0	0	0	1,625,580
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Urgent Capacity Response 2028

Dept. Priority: 25

Description

This allowance targets urgent CSO community needs, SBU clusters, and unpermitted overflows with measures that protect or restore sewer capacity across the MSD service area. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program provides capacity by which MSD can respond to chronic SBU related needs with a variety of potential actions to study and analyze them.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	1,682,480	0	0	1,682,480
MSD Capital Improvements	0	0	0	0	1,682,480	0	0	1,682,480
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Urgent Capacity Response 2029

Dept. Priority: 26

Description

This allowance targets urgent CSO community needs, SBU clusters, and unpermitted overflows with measures that protect or restore sewer capacity across the MSD service area. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program provides capacity by which MSD can respond to chronic SBU related needs with a variety of potential actions to study and analyze them.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	0	1,741,370	0	1,741,370
MSD Capital Improvements	0	0	0	0	0	1,741,370	0	1,741,370
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

HSTS Eliminations 2025

Dept. Priority: 27

Description

This allowance funds measures to identify, design and construct new sanitary sewers to connect properties in built up areas of the MSD service area to eliminate home sewage treatment systems (HSTS). These projects improve the water quality of WWIP watersheds by replacing failing or inadequate home systems. HSTS eliminations are prioritized based on HSTS program goals and public health risk. Expenditures are identi-



fied, planned, prioritized, and executed within the allowance budget. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program will satisfy a key water sanitation need to ensure that failing HSTS systems are identified and eliminated when they become public health concerns.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	2,067,000	0	0	0	0	0	2,067,000
MSD Capital Improvements	0	2,067,000	0	0	0	0	0	2,067,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

HSTS Eliminations 2026

Dept. Priority: 28

Description

This allowance funds measures to identify, design and construct new sanitary sewers to connect properties in built up areas of the MSD service area to eliminate home sewage treatment systems (HSTS). These projects improve the water quality of WWIP watersheds by replacing failing or inadequate home systems. HSTS eliminations are prioritized based on HSTS program goals and public health risk. Expenditures are identified, planned, prioritized, and executed within the allowance budget. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program will satisfy a key water sanitation need to ensure that failing HSTS systems are identified and eliminated when they become public health concerns.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	2,140,000	0	0	0	0	2,140,000
MSD Capital Improvements	0	0	2,140,000	0	0	0	0	2,140,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

HSTS Eliminations 2027

Dept. Priority: 29

Description

This allowance funds measures to identify, design and construct new sanitary sewers to connect properties in built up areas of the MSD service area to eliminate home sewage treatment systems (HSTS). These projects improve the water quality of WWIP watersheds by replacing failing or inadequate home systems. HSTS eliminations are prioritized based on HSTS program goals and public health risk. Expenditures are identified, planned, prioritized, and executed within the allowance budget. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Capital Improvement Program

Sewers



fied, planned, prioritized, and executed within the allowance budget. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program will satisfy a key water sanitation need to ensure that failing HSTS systems are identified and eliminated when they become public health concerns.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	2,215,000	0	0	0	2,215,000
MSD Capital Improvements	0	0	0	2,215,000	0	0	0	2,215,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

HSTS Eliminations 2028

Dept. Priority: 30

Description

This allowance funds measures to identify, design and construct new sanitary sewers to connect properties in built up areas of the MSD service area to eliminate home sewage treatment systems (HSTS). These projects improve the water quality of WWIP watersheds by replacing failing or inadequate home systems. HSTS eliminations are prioritized based on HSTS program goals and public health risk. Expenditures are identified, planned, prioritized, and executed within the allowance budget. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program will satisfy a key water sanitation need to ensure that failing HSTS systems are identified and eliminated when they become public health concerns.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	2,292,000	0	0	2,292,000
MSD Capital Improvements	0	0	0	0	2,292,000	0	0	2,292,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

HSTS Eliminations 2029

Dept. Priority: 31

Description

This allowance funds measures to identify, design and construct new sanitary sewers to connect properties in built up areas of the MSD service area to eliminate home sewage treatment systems (HSTS). These projects improve the water quality of WWIP watersheds by replacing failing or inadequate home systems. HSTS eliminations are prioritized based on HSTS program goals and public health risk. Expenditures are identi-



Capital Improvement Program

Sewers

fied, planned, prioritized, and executed within the allowance budget. Where significant capital expenditures are needed to resolve identified issues, new projects will be nominated for inclusion in a future CIP.

Purpose

This program will satisfy a key water sanitation need to ensure that failing HSTS systems are identified and eliminated when they become public health concerns.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	0	2,372,000	0	2,372,000
MSD Capital Improvements	0	0	0	0	0	2,372,000	0	2,372,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Program Management and Support Services 2025

Dept. Priority: 32

Description

This allowance funds the integrated Program Management Team (PMT) providing essential support to MSD for the development and delivery of the entire Capital Program, inclusive of all WWIP and non-WWIP projects and allowances. The services are defined in an Annual Program Work Plan which is reviewed annually to confirm priorities and objectives. This allowance also covers capital project and program related legal services provided by Taft Law and McMahon Degulis LLC.

Purpose

This project supports the internal efforts, supplemental staff and professional services necessary to carry out the Wet Weather Program. The activities will include project and program scheduling, project estimating, project controls, risk management efforts, program communications and outreach services.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	8,000,000	0	0	0	0	0	8,000,000
MSD Capital Improvements	0	8,000,000	0	0	0	0	0	8,000,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Program Management and Support Services 2026

Dept. Priority: 33

Description

This allowance funds the integrated Program Management Team (PMT) providing essential support to MSD for the development and delivery of the entire Capital Program, inclusive of all WWIP and non-WWIP projects and allowances. The services are defined in an Annual Program Work Plan which is reviewed annu-

Capital Improvement Program

Sewers



ally to confirm priorities and objectives. This allowance also covers capital project and program related legal services provided by Taft Law and McMahon Degulis LLC.

Purpose

This project supports the internal efforts, supplemental staff and professional services necessary to carry out the Wet Weather Program. The activities will include project and program scheduling, project estimating, project controls, risk management efforts, program communications and outreach services.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	8,280,000	0	0	0	0	8,280,000
MSD Capital Improvements	0	0	8,280,000	0	0	0	0	8,280,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Program Management and Support Services 2027

Dept. Priority: 34

Description

This allowance funds the integrated Program Management Team (PMT) providing essential support to MSD for the development and delivery of the entire Capital Program, inclusive of all WWIP and non-WWIP projects and allowances. The services are defined in an Annual Program Work Plan which is reviewed annually to confirm priorities and objectives. This allowance also covers capital project and program related legal services provided by Taft Law and McMahon Degulis LLC.

Purpose

This project supports the internal efforts, supplemental staff and professional services necessary to carry out the Wet Weather Program. The activities will include project and program scheduling, project estimating, project controls, risk management efforts, program communications and outreach services.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	0	8,569,800	0	0	0	8,569,800
MSD Capital Improvements	0	0	0	8,569,800	0	0	0	8,569,800
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Program Management and Support Services 2028

Dept. Priority: 35

Description

This allowance funds the integrated Program Management Team (PMT) providing essential support to MSD for the development and delivery of the entire Capital Program, inclusive of all WWIP and non-WWIP projects and allowances. The services are defined in an Annual Program Work Plan which is reviewed annu-



ally to confirm priorities and objectives. This allowance also covers capital project and program related legal services provided by Taft Law and McMahon Degulis LLC.

Purpose

This project supports the internal efforts, supplemental staff and professional services necessary to carry out the Wet Weather Program. The activities will include project and program scheduling, project estimating, project controls, risk management efforts, program communications and outreach services.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	8,869,740	0	0	8,869,740
MSD Capital Improvements	0	0	0	0	8,869,740	0	0	8,869,740
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Program Management and Support Services 2029

Dept. Priority: 36

Description

This allowance funds the integrated Program Management Team (PMT) providing essential support to MSD for the development and delivery of the entire Capital Program, inclusive of all WWIP and non-WWIP projects and allowances. The services are defined in an Annual Program Work Plan which is reviewed annually to confirm priorities and objectives. This allowance also covers capital project and program related legal services provided by Taft Law and McMahon Degulis LLC.

Purpose

This project supports the internal efforts, supplemental staff and professional services necessary to carry out the Wet Weather Program. The activities will include project and program scheduling, project estimating, project controls, risk management efforts, program communications and outreach services.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	0	9,180,180	0	9,180,180
MSD Capital Improvements	0	0	0	0	0	9,180,180	0	9,180,180
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hamilton County Utility Oversight and Coordination 2025

Dept. Priority: 37

Description

The Hamilton County Board of County Commissioners has determined that the continued use of County staff and outside consultants and attorneys is warranted to ensure that MSD rate payers are funding only those projects that are necessary and cost effective to adhere to the terms of the Wet Weather Improvement Program WWIP. The County Monitor Team (CMT) will work closely with MSD employees and supplemental staff to ensure that projects are built on time and on budget to minimize risk to MSD rate payers. The project funds the team responsible for this oversight function. The Board is solely responsible for selecting, supervising, and directing the CMT. The Board is solely responsible for determining that (1) the CMT's work

Capital Improvement Program

Sewers



is an appropriate expenditure of MSD funds under O.R.C. 6117.02 and the 1968 Operating Agreement (including all amendments), and (2) the CMT is charging fees and expenses consistent with the Board's contract with the CMT.

Purpose

This program provides the funds necessary for Hamilton County's oversight function.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	4,800,000	0	0	0	0	0	4,800,000
MSD Capital Improvements	0	4,800,000	0	0	0	0	0	4,800,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hamilton County Utility Oversight and Coordination 2026

Dept. Priority: 38

Description

The Hamilton County Board of County Commissioners has determined that the continued use of County staff and outside consultants and attorneys is warranted to ensure that MSD rate payers are funding only those projects that are necessary and cost effective to adhere to the terms of the Wet Weather Improvement Program WWIP. The County Monitor Team (CMT) will work closely with MSD employees and supplemental staff to ensure that projects are built on time and on budget to minimize risk to MSD rate payers. The project funds the team responsible for this oversight function. The Board is solely responsible for selecting, supervising, and directing the CMT. The Board is solely responsible for determining that (1) the CMT's work is an appropriate expenditure of MSD funds under O.R.C. 6117.02 and the 1968 Operating Agreement (including all amendments), and (2) the CMT is charging fees and expenses consistent with the Board's contract with the CMT.

Purpose

This program provides the funds necessary for Hamilton County's oversight function.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	4,968,000	0	0	0	0	4,968,000
MSD Capital Improvements	0	0	4,968,000	0	0	0	0	4,968,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hamilton County Utility Oversight and Coordination 2027

Dept. Priority: 39

Description

The Hamilton County Board of County Commissioners has determined that the continued use of County staff and outside consultants and attorneys is warranted to ensure that MSD rate payers are funding only those projects that are necessary and cost effective to adhere to the terms of the Wet Weather Improvement Program WWIP. The County Monitor Team (CMT) will work closely with MSD employees and supplemental staff to ensure that projects are built on time and on budget to minimize risk to MSD rate payers. The



project funds the team responsible for this oversight function. The Board is solely responsible for selecting, supervising, and directing the CMT. The Board is solely responsible for determining that (1) the CMT's work is an appropriate expenditure of MSD funds under O.R.C. 6117.02 and the 1968 Operating Agreement (including all amendments), and (2) the CMT is charging fees and expenses consistent with the Board's contract with the CMT.

Purpose

This program provides the funds necessary for Hamilton County's oversight function.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	5,141,880	0	0	0	5,141,880
MSD Capital Improvements	0	0	0	5,141,880	0	0	0	5,141,880
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hamilton County Utility Oversight and Coordination 2028

Dept. Priority: 40

Description

The Hamilton County Board of County Commissioners has determined that the continued use of County staff and outside consultants and attorneys is warranted to ensure that MSD rate payers are funding only those projects that are necessary and cost effective to adhere to the terms of the Wet Weather Improvement Program WWIP. The County Monitor Team (CMT) will work closely with MSD employees and supplemental staff to ensure that projects are built on time and on budget to minimize risk to MSD rate payers. The project funds the team responsible for this oversight function. The Board is solely responsible for selecting, supervising, and directing the CMT. The Board is solely responsible for determining that (1) the CMT's work is an appropriate expenditure of MSD funds under O.R.C. 6117.02 and the 1968 Operating Agreement (including all amendments), and (2) the CMT is charging fees and expenses consistent with the Board's contract with the CMT.

Purpose

This program provides the funds necessary for Hamilton County's oversight function.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	5,321,850	0	0	5,321,850
MSD Capital Improvements	0	0	0	0	5,321,850	0	0	5,321,850
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hamilton County Utility Oversight and Coordination 2029

Dept. Priority: 41

Description

The Hamilton County Board of County Commissioners has determined that the continued use of County staff and outside consultants and attorneys is warranted to ensure that MSD rate payers are funding only those projects that are necessary and cost effective to adhere to the terms of the Wet Weather Improvement

Capital Improvement Program

Sewers



Program WWIP. The County Monitor Team (CMT) will work closely with MSD employees and supplemental staff to ensure that projects are built on time and on budget to minimize risk to MSD rate payers. The project funds the team responsible for this oversight function. The Board is solely responsible for selecting, supervising, and directing the CMT. The Board is solely responsible for determining that (1) the CMT's work is an appropriate expenditure of MSD funds under O.R.C. 6117.02 and the 1968 Operating Agreement (including all amendments), and (2) the CMT is charging fees and expenses consistent with the Board's contract with the CMT.

Purpose

This program provides the funds necessary for Hamilton County's oversight function.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	0	0	0	5,508,110	0	5,508,110
MSD Capital Improvements	0	0	0	0	0	5,508,110	0	5,508,110
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Colerain-Bevis Pump Station Replacement

Dept. Priority: 42

Description

The project is located in Colerain Township, in the New Baltimore Watershed of the Taylor Creek Basin. The Colerain-Bevis pump station is a 2,400 GPM capacity facility that was built in 1990 to serve hundreds of homes in the area as well as the Stone Creek Town Center. Almost a quarter of its assets are beyond the estimated service life. In order to maintain the reliability of this station, it will need to be rehabilitated or possibly replaced. Site improvements are also recommended to address drainage issues that can hinder operations as well as create possible safety hazards. The area served by this station has had a high number of sewer back-up complaints with at least 9 occurring between 2020 and 2021. Repairs to or replacement of the station will help to prevent disruptions to service that can lead to backups in the surrounding neighborhood.

Purpose

The project area includes a 3.5 MGD pump station, a 6 inch 4,800 foot long force main, with 7 air release valves and manholes. Condition assessments identified numerous defects in the generator, wet well, transmitter, hoist, building structure, and many other areas with a risk score of 16 and a RUL score (Remaining Useful Life score) of 0. The pump station was installed in 1992. The Pump Station services around 3,000 homes and businesses such as Meijer and schools which will increase the consequences if this pump station should fail. Pebble Creek Pump Station is daisy chain linked to the Colerain-Bevis pump station and services around 200 homes.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	4,750,000	0	0	0	4,750,000
MSD Capital Improvements	0	0	0	4,750,000	0	0	0	4,750,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



TCWWTP Aeration Basin Conversion

Dept. Priority: 43

Description

The Taylor Creek Wastewater Treatment Plant's (TCWWTP) aeration basins are original to the plant and over time developed operational and maintenance issues. Specific items include, but not limited to, biological treatment interruptions and treatment process short circuiting, unreliable wheel drive assembly, deterioration of the concrete walls, and aeration system deficiencies. This project will replace the aeration tanks at Taylor Creek WWTP to improve operation and maintenance, to meet future nutrient removal requirements, and to treat additional flow from the future Whitewater Township Rt. 128 sewer expansion.

Purpose

The Taylor Creek WWTP utilizes two 2.7M gal aeration tanks for biological sewage treatment. The circular tanks utilize a rotating arm assembly with air diffusers attached to maintain a healthy dissolved oxygen level. This rotating assembly has resulted in numerous structural and mechanical issues. Additionally, the concrete has failed in numerous places despite the fact that extensive repairs were completed in 2017. Previous planning work has been completed under PID 12220000 Taylor Creek WWTP Facility Plan.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	9,648,300	0	0	0	0	9,648,300
Engineering	1,346,200	0	0	0	0	0	0	0
MSD Capital Improvements	1,346,200	0	9,648,300	0	0	0	0	9,648,300
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Barrington Hills, Gil Volz, and Kirkridge Acres P.S. Elim

Dept. Priority: 44

Description

The project includes construction of 9,600 feet of 8 inch to 15 inch diameter sewer and elimination of five pump stations. The project is located between Leibel Road and 1st Street in Green Township in Hamilton County, Ohio.

Purpose

The purpose of this project is to eliminate five existing pump stations through construction of a new sanitary sewer. During design, it was determined the new gravity sewer will connect to the existing sanitary system near Fiddler's Green. Given the topography and existing structures and infrastructure, the new gravity line will be constructed using trenchless technology to minimize the impact to area residents and businesses. This project will provide service to unsewered areas and reduce annual O&M costs resulting from

Capital Improvement Program

Sewers



the pump stations. This project is being coordinated with other active projects planned for the Muddy Creek sewershed.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	9,992,400	0	0	0	0	9,992,400
MSD Capital Improvements	0	0	9,992,400	0	0	0	0	9,992,400
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Addyston Creek and Sewer Rehab

Dept. Priority: 45

Description

The Addyston Creek and Sewer Rehab project is located along the West Fork Muddy Creek between Church Street and 1st Street, in the Village of Addyston, in the Muddy Creek Basin. The project will construct a new 21 inch diameter sewer on the East side of the West Fork Muddy Creek, fill seal, and abandon the existing 8 inch and 18 inch diameter sewer and replace the fallen retaining wall on the West side of the West Fork Muddy Creek.

Purpose

The West Fork Muddy Creek is unstable and has shifted causing damage to the 12 inch diameter sewer from manhole 11801005 to manhole 11801001 and manhole 11810112. Pipe segment 11801003-11801002 fell away from the hillside due to erosion in August 2011. Manhole 11801002 collapsed in July 2010 and was repaired. The sewer segments further south of this segment are protected by a vertical retaining wall that has fallen away and needs to be repaired.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	651,000	0	0	0	0	0	651,000
MSD Capital Improvements	0	651,000	0	0	0	0	0	651,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Muddy Creek Road and Rosebud Drive Sewer Replacement

Dept. Priority: 46

Description

The project will evaluate the replacement or rehabilitation of approximately 700 linear feet of structurally deficient 24 inch vitrified clay sewers near the intersection of Muddy Creek Road and Rosebud Drive installed in 1923. The planning effort will also evaluate alternatives for alleviating capacity related issues in the project area which may include evaluation of a relief sewer to the Westwood Trunk Sewer located south of Muddy Creek Road.

Purpose

The project includes one segment that has been requested for a BCE by the WWC Gravity Sewer Asset Management system with a structural risk of 23. Additional high risk sewers exist within the project scope. Modeling indicates capacity issues for local sewer segments at the intersection of Rosebud Dr & Muddy Creek



Rd, but a parallel interceptor just to the south appears to have capacity to accept additional flow. Multiple sewer complaints in the area reinforce the suspected capacity issues.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	0	452,000	0	0	452,000
Engineering	300,000	0	0	0	0	0	0	0
MSD Capital Improvements	300,000	0	0	0	452,000	0	0	452,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Rapid Run and Foley Road PS Receiver Manhole Installation

Dept. Priority: 47

Description

The project is located in the Riverside neighborhood of the City of Cincinnati, Hamilton County, Ohio, in the River Road watershed of the Muddy Creek Basin. The project will install new receiver manholes with grit pits at the Rapid Run and Foley Road Pump Stations. Receiver manholes are used for bypass pumping around the pump station during maintenance activities.

Purpose

Receiver manholes are used for bypass pumping around the pump station during maintenance activities. MSD pump station design guidance requires installation of a manhole on the upstream pipe within 400 feet for this purpose. The two pump stations in this nomination were installed prior to that design standard, and upstream manholes are over 500 feet and 1000 feet away and access is limited. Under current conditions, when isolation of the pump station is necessary maintenance crews place a plug in the upstream manhole and allow the system to surcharge until it overflows to the Ohio River. A nearby manhole would facilitate bypass pumping to avoid this pollutant discharge.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	0	274,900	0	0	274,900
MSD Capital Improvements	0	0	0	0	274,900	0	0	274,900
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

MUWWTP UV Disinfection Replacement

Dept. Priority: 48

Description

The Muddy Creek WWTP utilizes an ultraviolet radiation (UV) system to disinfect secondary effluent before discharging to the Ohio River. The existing system was installed in 2002 and it is beyond its estimated useful life and obsolete. The manufacturer, Trojan Technologies, no longer supports the installed model. While consumables like lamps, sleeves, and ballast are still available for purchase; other critical replacement

Capital Improvement Program

Sewers



parts will only be available for a limited time as supplies last. This project will evaluate alternatives to replace the existing UV system and related equipment to meet future needs.

Purpose

The MUWWTP utilizes a UV system to disinfect secondary effluent before discharging to the Ohio River. In this process specially made lamps emit UV light within a specific wavelength range. Exposure to UV at the correct dosage damages the DNA and RNA of microorganisms preventing cell synthesis and division. The existing system was installed in 2002, and it is beyond its estimated useful life and obsolete. The manufacturer, Trojan Technologies, no longer supports the installed Trojan UV 4000 model. While consumables like lamps, sleeves, and ballast are still available for purchase, other critical replacement parts will only be available for a limited time as supplies last.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	4,533,000	0	0	0	4,533,000
Engineering	245,000	495,000	0	0	0	0	0	495,000
MSD Capital Improvements	245,000	495,000	0	4,533,000	0	0	0	5,028,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Harvey Ave-Hickman Ave Sewer Replacement

Dept. Priority: 49

Description

This project is located in Reading Road, Ridgeway Avenue, and Harvey Avenue in the Cincinnati neighborhood of Avondale. This project will construct about 4,000 feet of sewer and abandon an existing deteriorated 24 inch sewer.

Purpose

The purpose of this project is to replace a deteriorated 24 inch sewer and reduce maintenance costs. This project will also increase capacity and facilitate redevelopment in the area near Jewish Hospital.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	0	1,440,000	0	0	1,440,000
MSD Capital Improvements	0	0	0	0	1,440,000	0	0	1,440,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Lower Mill Creek HW/DW Protection

Dept. Priority: 50

Description

This planning effort will result in the identification of maintenance tasks, operational strategies, and projects that will greatly reduce or eliminate Ohio River and Mill Creek water inflow into the Lower Mill Creek sys-



tem. The study area includes multiple City of Cincinnati neighborhoods along the Ohio River and the Lower Mill Creek Valley.

Purpose

This planning effort will result in the identification of maintenance tasks, operational strategies, and projects that will greatly reduce or eliminate Ohio River and Mill Creek water inflow into the Lower Mill Creek system. The study area includes multiple City of Cincinnati neighborhoods along the Ohio River and the Lower Mill Creek Valley.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	5,963,500	0	0	0	0	0	5,963,500
MSD Capital Improvements	0	5,963,500	0	0	0	0	0	5,963,500
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

SSO 603 and 704 Improvements

Dept. Priority: 51

Description

The project area includes SSOs 603 and 704 as well as approximately 6,000 linear feet of existing sewer constructed between 1940 and 1948, most of which is severely deteriorated. SSO 704 was constructed in 1952 to relieve basement flooding and SSO 603 was installed at an unknown date. Both SSOs are classified as Generally Active SSOs. The intent of this project is to eliminate modeled overflows at SSO 603 and SSO 704 for the 10 year, 24- hour storm. This may include repair or replacement with upsized sewers of the existing 6,000-linear feet of existing 15 and 18 inch diameter sanitary sewer. This project is located near a stream south of Trebor Drive, from Belfast Avenue to Tudor Court in Sycamore Township, Hamilton County, Ohio.

Purpose

The purpose of this project is to improve two SSO's. SSO 603 is active about 9 times per year, and SSO 704 is active about 8 times per year. The project will eliminate modeled overflows at SSO 603 and SSO 704 for the 10 year, SCS Type II design storm. This is associated with Index 227 in Attachment 2 of the Final WWIP.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	5,238,600	0	0	0	5,238,600
Engineering	348,000	0	0	0	0	0	0	0
MSD Capital Improvements	348,000	0	0	5,238,600	0	0	0	5,238,600
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Wilder Avenue Sewer Replacement

Dept. Priority: 52

Description

This project was nominated by MSD WWC Division to evaluate and address multiple brick sewer segments that are degrading, deformed, and portions have collapsed. The sewer segments are located on the steep hillside between Glenway Ave and State Street, and is connected to several homes on Glenway Ave, Wilder

Capital Improvement Program

Sewers



Ave, and Gest Street. Portions of these sewers are also located under buildings and retaining walls making maintenance practices difficult. Due to the severe structural issues and location of the sewers, there is a high risk of further failure, sewage backups, or structural damage to homes. MSD proposes to abandon 510 linear feet of the failing brick sewer. Approximately 660 linear feet of new gravity sewer will be installed that redirects flow from the abandoned sewer to an existing sewer on Gest. Private lateral connections will be reconnected to the new gravity sewer. This project is located in the Lower Price Hill neighborhood of the City of Cincinnati.

Purpose

This project will replace and/or rehabilitate the existing sewer. The existing sewer was installed around 1900 and several portions are cracked, deformed, or collapsed. It is currently located on a steep hillside with many retaining walls. The sewer was initially built to carry flow from a ravine that is no longer connected to the sewer.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	679,700	0	0	0	0	679,700
MSD Capital Improvements	0	0	679,700	0	0	0	0	679,700
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Pleasant Run Pump Station Upgrades

Dept. Priority: 53

Description

This project is to upgrade the Pleasant Run East, West, and Central Pump Stations. These pump stations were installed in the 1970s with Dry Well/Wet Well configurations and operate in series. The firm capacity of the system is around 11 MGD. The upgrades include the elimination of the Pleasant Run Central Pump Station, the rehabilitation of the Pleasant Run East Pump Station, and the construction of a new Pleasant Run West Pump Station. Pleasant Run East will be redirected to Pleasant Run West where a larger Pleasant Run West Pump Station will be constructed and sized to convey all flow within the Pleasant Run Basin and store enough water to prevent overflows at SSO 1055 up to the 10-year, 24 hour storm. This will allow for the elimination of Pleasant Run Central. Dual force mains will be installed at Pleasant Run West and Pleasant Run East to address redundancy issues. This project is located in Springfield Township and the City of Forest Park, Hamilton County, Ohio. Please note that WWIP Index 263 was a joint project with Butler County to build a new treatment plant that would remove the Pleasant Run flow from the Mill Creek WWTP basin and eliminate the Pleasant Run pump stations.

Purpose

The Pleasant Run Pump Stations were installed in the 70s. These facilities are considered highly critical and carry a high consequence of failure due to the large flow and lack of redundancy. The FM are constructed with DIP and at the end of their useful lives. Several sections of the Pleasant Run Central FM were recently replaced due to severe corrosion. The buildings housing the PS need HVAC upgrades for worker safety and equipment maintenance. These stations receive odor complaints from local residents. The pumps and elec-



trical equipment within the stations have reached the end of their useful lives. The concrete structures are beginning to corrode and leak and need repairs.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	29,179,000	0	0	0	0	29,179,000
MSD Capital Improvements	0	0	29,179,000	0	0	0	0	29,179,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Victory Parkway Sewer Rehabilitation

Dept. Priority: 54

Description

The existing 36 inch stone sewer was constructed prior to 1912 and is experiencing deformation in the crown area. In addition, there are several areas where the stones have apparently come loose and are missing. As a result of the deterioration of the mortar, there are also several locations where there is infiltration into the pipe. The project will evaluate approximately 450 linear feet of 36 inch diameter sewer, including CCTV inspection and smoke and dye testing. A business case evaluation will be performed using the data gathered during the planning phase.

Purpose

The purpose of the project is to rehabilitate two existing 36 inch sewer segments with extensive cleaning followed by installation of an approved lining technology. The project was nominated by WWC due to the existing sewer segments having PACP scores of 5, experiencing shape loss, disposition, groundwater infiltration, and missing stones. A BCE was completed in May 2013 that recommended the lining of these two sewer segments. The current (June 2017) maintenance risk rate is high and the structural risk rate is extreme.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	2,450,000	0	0	2,450,000
Engineering	132,060	0	0	0	0	0	0	0
MSD Capital Improvements	132,060	0	0	0	2,450,000	0	0	2,450,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

MCWWTP Dewatering Building Improvements

Dept. Priority: 55

Description

The Mill Creek Wastewater Treatment plant's existing dewatering building, retrofitted in 2001 for centrifugation, has several challenges including aging equipment, restricted conveyance, and inefficient cake load-out. These issues have led to increased O&M requirements for the dewatering and incineration processes. This project is intended to construct a new dewatering building that will replace older, inefficient equipment, provide more stable sludge pumping and conveyance, and provide a more reliable feed to the Fluidized Bed Incinerators. This project is an integral part of MSDGC's 2019 Solids Handling Master Plan which is intended to improve the reliability of MSDGC's solids handling assets in consideration of a goal of no off-

Capital Improvement Program

Sewers



site odors, minimizing rate impacts, providing community benefits, optimizing operation, and providing system-wide resiliency.

Purpose

The purpose is to replace the current dewatering facility with a new dewatering building superstructure to house new dewatering centrifuges, dewatered cake collection silos, and cake transfer pumps. The new superstructure will be located above the former MHI building basement shell.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	20,628,000	0	0	0	0	20,628,000
MSD Capital Improvements	0	0	20,628,000	0	0	0	0	20,628,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Shaffer Avenue Sewer Replacement

Dept. Priority: 56

Description

Approximately 811 linear feet of 10 to 24 inch combined sewer on Shaffer Ave. needs to be rehabilitated or replaced. Upstream segments 25308011-25301021 show sections of pipe received PACP scoring of 4A00 and 4700. The alignment runs underneath the home at 2768 Shaffer Avenue, and manhole 25301027 is currently located in the basement of the structure. The system in this area has no known capacity issues. The approved BCE that went through stage gate 2 evaluated CIPP lining or replacing the sewer in a different alignment. The recommended alternative moves the alignment out from underneath or near residential houses. This alternative abandons the sewer and manhole 25301027 underneath the home at 2768 Shaffer Avenue. The proposed 490 linear feet of combined sewer would start with a new manhole located on the 10 inch storm line west of existing manhole 25308014.

Purpose

The BCER pipe segment was last inspected by CCTV in 2015. The inspection identified depositing, multiple fractures, and material changes in the pipe. The WWC GSAM asset management system identified the segments, with structural risk bin scores of 17 & 22, for lining rehabilitation, however the pipe is located near or beneath several residential structures. The planning project is to evaluate alternatives to address the condition and location of the sewer. The other pipe segments included in the evaluation have structural risk bin scores ranging from 5 to 10 but are upstream of the BCER segments and are baseline, with no inspection data available.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	2,531,000	0	0	0	0	2,531,000
MSD Capital Improvements	0	0	2,531,000	0	0	0	0	2,531,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Tennessee Avenue (HN 1754) Sewer Replacement

Dept. Priority: 57

Description

The purpose of this project is to evaluate a sewer pipe that is located beneath commercial structures at 1754 Tennessee Avenue and determine the best alternative to address the identified necessary improvements. Planning efforts include CCTV inspection, alternatives analysis, and development of a BCE with recommendation. Pipe segment 37902034-37902033 is approximately 103 feet of 24 inch combined of unknown age. Additional segments included in the planning analysis are: 37902035-37902033-37902021 and 3790234-3790245. This project is in the Avondale neighborhood of the City of Cincinnati.

Purpose

The BCER pipe segment was last inspected by CCTV in 2009. The inspection identified numerous cracks and fractures in the pipe. The WWC GSAM asset management system identified the segment, with a structural risk bin score of 22, for lining rehabilitation, however the pipe is located beneath a commercial structure. The planning project is to evaluate alternatives to address the condition and location of the sewer.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	313,280	0	0	0	0	313,280
MSD Capital Improvements	0	0	313,280	0	0	0	0	313,280
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Fyffe Avenue Sewer

Dept. Priority: 58

Description

Visual condition assessments have shown the presence of multiple structural defects in the VCP sewer along Fyffe Avenue and the RCP sewer along Saffer Street in the East Westwood neighborhood of the City of Cincinnati. In addition, a portion of the Fyffe Avenue sewer is under a building and poses an elevated public health and safety risk. This project will rehabilitate or replace approximately 2,300 linear feet of 15, 18, and 24 inch VCP and approximately 600 linear feet of 12 inch RCP.

Purpose

Visual condition assessments have shown the presence of multiple structural defects in the VCP sewer along Fyffe Avenue. In addition, a portion of the sewer is under a building on Fyffe Avenue and poses an elevated public health and safety risk.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	0	1,378,000	0	0	1,378,000
MSD Capital Improvements	0	0	0	0	1,378,000	0	0	1,378,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Capital Improvement Program

Sewers



Galbraith Rd to Sheldon Avenue Sewer Replacement

Dept. Priority: 59

Description

This sewer replacement project was nominated for evaluation due to the presence of several high-risk sewer segments located under the residential buildings on Galbraith Road and Sheldon Avenue. The sewer has severe structural defects, including fractures and deformation of greater than 10 percent, and a significant sag. Segments show a section of fractured pipe that may be in excess of the allowable shape-loss for successful CIPP lining rehabilitation and another area with a sizable low spot suggesting that the segment should be considered for replacement. The BCE will evaluate alternatives including sewer replacement or rehabilitation.

Purpose

The project includes one segment that has been requested for a BCE by the WWC Gravity Sewer Asset Management system with structural risks of 23. These segments and all others included in the project will be investigated to determine how to address the structural concerns.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	652,740	0	0	0	652,740
MSD Capital Improvements	0	0	0	652,740	0	0	0	652,740
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Clifton Avenue at Parker Street Sewer Replacement

Dept. Priority: 60

Description

This project is located in the CUF neighborhood of the City of Cincinnati centered along Clifton Avenue between Lyon Street to the North and Hastings Street to the South. The existing sewer system is located under numerous structures and contains multiple extreme-risk segments beyond the point of rehabilitation. This project will evaluate replacement or abandonment of approximately 2,600 linear feet of 18 inch to 42 inch combined sewer along with the installation of approximately 700 linear feet of combined sewer, including restoration of associated service laterals.

Purpose

The project includes one segment that has been requested for a BCE by the WWC Gravity Sewer Asset Management system with structural risk of 25. This segment and all others included in the project will be investigated to determine how to address the structural concerns.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	591,000	0	0	591,000
Engineering	92,000	0	240,000	0	0	0	0	240,000
MSD Capital Improvements	92,000	0	240,000	0	591,000	0	0	831,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Taft Road & McMillan Street Sewer Replacement

Dept. Priority: 61

Description

The project will replace or rehab a structurally deficient, 52 inch stone sewer located under or near residential structures, and investigate the feasibility and possible construction of a new alignment to provide relief to the local sewer main. This project is located in the East Walnut Hills neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Purpose

The project includes one segment that has been requested for a BCE by the WWC Gravity Sewer Asset Management system with a structural risk of 25 and a segment under structures. These segments and all others included in the project will be investigated to determine how to address the structural concerns and to investigate whether improved capacity will reduce sewer backups in the area.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	435,800	0	0	0	939,200	0	0	939,200
MSD Capital Improvements	435,800	0	0	0	939,200	0	0	939,200
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Ledgewood Ave Sewer Replacement

Dept. Priority: 62

Description

The project is located in the North Avondale neighborhood of the City of Cincinnati, Hamilton County, Ohio. The project proposed the replacement of approximately 1,520 feet of 15 to 36 inch diameter combined sewer pipe. The pipe is in poor condition and is located near or beneath several homes. A proposed new alignment for the replacement sewer will reduce the risk of maintaining sewers under homes.

Purpose

The primary benefit of this project is the replacement or elimination of pipes in poor structural condition and pipe segments in undesirable locations.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	4,891,420	0	0	0	0	4,891,420
MSD Capital Improvements	0	0	4,891,420	0	0	0	0	4,891,420
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Davey Avenue to Hamilton Avenue Sewer Replacement

Dept. Priority: 63

Description

The project will address deteriorating sewers located between Davey Avenue, Hamilton Avenue, and north of Larch Avenue within the City of Cincinnati and the neighborhood of College Hill. The sewer segments are within the Mill Creek basin and Kings Run watershed. The high to extreme risk sewers will be

Capital Improvement Program

Sewers



addressed through abandonment, rehabilitation or replacement. The project descriptions and costs are pre-planning level.

Purpose

The pipes in this project have structural issues that will be addressed. Sewer segments have been scored from high to extreme risk and require replacement or remediation in accordance with the Gravity Sewer Asset Management protocol. A cave-in near portions of the sewer was reported in 2017 and a 2018 video of the sewers identified significant cracks, voids, and deformation of pipe sections. The sewers in this project are showing structural issues and need to be addressed as part of a replacement and rehabilitation project.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	1,141,340	0	0	1,141,340
MSD Capital Improvements	0	0	0	0	1,141,340	0	0	1,141,340
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Village Woods Pump Station and System Improvements

Dept. Priority: 64

Description

The project is located within the Village Woods subdivision, in the East Branch Mill Creek watershed and the City of Sharonville. The project will reduce sediment accumulation within an existing force main serving the neighborhood. The project is related to the original pump station and force main installation, sewer number 3077.

Purpose

The project will increase velocities within a force main serving the neighborhood in order to maintain sewer service capacity and pump efficiency. Currently, sediment collects in the force main, and the velocities are too low to appropriately self-clean. The current system creates undue risk and maintenance.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	740,600	0	0	0	740,600
MSD Capital Improvements	0	0	0	740,600	0	0	0	740,600
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Loth Street (HN 2272) Sewer Relocation and Rehab

Dept. Priority: 65

Description

This project addresses capacity issues and high and extreme risk combined sewer segments ranging from 24 inch to 36 inch in diameter. Some of these sewers are located under residential structures. The project will evaluate the replacement or rehabilitation of the combined sewers to reduce the risk of impact to the resi-



dential structures and improve access and maintainability of the sewer. The project is located near 2272 Loth Street in the Mt. Adams neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Purpose

A residential structure is located above a sanitary sewer which has been assessed a critical risk score. The project will reduce the risk of failure for the sewer and home, and additionally, could reduce inefficiency in the system upstream of Rice & Valencia Streets where modeling and complaints indicate sewer capacity issues.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	258,000	0	0	258,000
Engineering	327,000	0	0	0	0	0	0	0
MSD Capital Improvements	327,000	0	0	0	258,000	0	0	258,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

MCWWTP Primary Settling Electrical Equipment Replacement

Dept. Priority: 66

Description

The Mill Creek WWTP's primary settling process electrical equipment was originally installed in 1959 with modifications occurring in the 1970s and 1980s. Critical equipment including Transformers, MCCs, lighting panels, and other associated assets are beyond their estimated useful life, obsolete, showing signs of deteriorating condition and/or lack capacity for existing and future loads. This project is intended to evaluate the electrical equipment for replacement. The installation of VFDs for the sludge pumps to improve sludge quality will also be evaluated. Alternative equipment locations and Interior building modifications will be considered to ensure space is available for recommended equipment, and ensure compliance with NFPA standards. Additionally, HVAC and other architecture upgrades will be considered to improve ventilation and climate control. The Mill Creek Treatment plant is located in the Lower Price Hill neighborhood of Cincinnati.

Purpose

The MCWWTP's primary settling process electrical equipment was originally installed in 1959 with modifications occurring in the 70s and 80s. Critical equipment are beyond their estimated useful life. Transformers have been found to be undersized and should be upgraded. Some process equipment are not currently automated. The electrical equipment should be evaluated for replacement. Upgrades should be considered to support future connections. Interior building modification may also be necessary to ensure compliance with NFPA 820 standards. This will include defining the hazard classification with consideration of an existing sampler and open tunnel access.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	219,000	506,000	0	0	725,000
MSD Capital Improvements	0	0	0	219,000	506,000	0	0	725,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Capital Improvement Program

Sewers



MCWWTP Dewatering Building Odor Control

Dept. Priority: 67

Description

This project will help reduce odors at the Mill Creek WWTP dewatering building through odor source reduction. The new system will control odors in the existing dewatering building until the proposed dewatering building is completed. Once construction of the proposed dewatering building is completed the odor control system will capture and treat odors from the newly constructed dewatering building.

Purpose

The purpose of this project is to improve the odor control system at the current and future Mill Creek WWTP dewatering building. The current odor control system has reached the end of its useful life and frequent outages occur due to maintenance issues. During outages, the Quad Scrubbers can contribute to off-site odors.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	2,301,300	0	0	0	2,301,300
MSD Capital Improvements	0	0	0	2,301,300	0	0	0	2,301,300
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Morrison Avenue Sewer Replacement

Dept. Priority: 68

Description

The project will conduct a planning analysis to evaluate replacement or rehabilitation of approximately 1,800 feet of 18 to 36 inch diameter sewers. The existing system is located underneath multiple residential structures and contains several high and extreme risk segments. The project is located at the intersection of Ludlow Avenue and Morrison Avenue in the Clifton neighborhood of the City of Cincinnati.

Purpose

In the area of the Ludlow and Morrison Avenues intersection in the Clifton neighborhood, nine pipe segments are at high to extreme risk of failure with structural risk bin scores ranging from 19 to 23 (on a scale of 1 to 25). Extreme risk pipe segments include portions located underneath homes as well as within an arterial road. Portions of the pipe underneath the homes have severe deformation and are difficult to access.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	0	1,950,000	0	0	1,950,000
Engineering	160,000	0	390,000	0	0	0	0	390,000
MSD Capital Improvements	160,000	0	390,000	0	1,950,000	0	0	2,340,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Winton Lake Aerial Sewer Structure and Weir Modifications

Dept. Priority: 69

Description

This project will analyze existing outlet weir structures with the intent to develop recommendations for potential modifications of existing trunk sewer control structures, construction/modification of new control structures, and/or modifications to existing aerial sewer crossing to eliminate the need to back-up water in the system to counter buoyancy forces created during high lake pool elevations. Modifications would lower the hydraulic grade line across the Winton Lake area for twin-parallel trunk sewers that run through the park to reduce overflow out of manholes that flow into Winton Lake.

Purpose

During high flow events, a weir within a gated structure is surcharging the sewer upstream of it to the point of creating surface overflows in residential areas. The height of the current weir is likely necessary to create surcharge conditions for a long stretch upstream, particularly for aerial sewers crossing Winton Lake, in order to combat buoyancy of the pipe when the lake is under highwater conditions. The project will investigate the optimal height for the weir, then design and construct as necessary to achieve structural integrity of the gate, weir, and walls of the chamber, as well as the optimal hydraulic grade line within the system.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	170,000	0	0	0	0	170,000
Engineering	0	100,000	0	0	0	0	0	100,000
MSD Capital Improvements	0	100,000	170,000	0	0	0	0	270,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Anthony to Innes Sewer Replacement

Dept. Priority: 70

Description

The project will repair or replace approximately 2,000 feet of 12 to 30 inch clay sewer with multiple high and extreme risk segments within the Northside neighborhood of Cincinnati, OH. Approximately half of the sewer system is located underneath homes between Anthony and Innes Avenues as well as Otte Avenue and Robinson Circle. The project will incorporate Otte Avenue Sewer Replacement, Project ID 10240330, due to its proximity to the larger effort in the neighborhood.

Purpose

The project will address multiple sewer segments underneath homes at risk of structural failure with potential capacity issues. Location of the existing sewer system cannot be easily accessed for maintenance and repairs.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	237,000	0	679,000	0	0	0	0	679,000
MSD Capital Improvements	237,000	0	679,000	0	0	0	0	679,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Bold Face Pump Station Study

Dept. Priority: 71

Description

The Bold Face Pump Station is an aging facility with numerous operations, maintenance, and performance issues. Additionally, this facility lacks the capacity to handle wet weather flows which contributes to overflows at CSO 419. This project will evaluate alternatives for replacement or elimination of the pump station. The evaluation will include the force main, adjacent high extreme-risk sewer assets, as well as the gates that control flow to the pump station.

Purpose

The Bold Face PS was constructed in 1959 and is a dry well/ wet well PS with 3 centrifugal pumps. Influent flows pass through the channel grinder and enter the station's wet well. Flows are then conveyed via a 24 inch force main to the West Branch Interceptor. Wet weather flows overflow the regulator weir and are conveyed by the CSO outfall pipe to the Ohio River. The pump station has several operations and maintenance issues. The PS lacks capacity to handle wet weather flows, and, when the river stage is above 48' the West Branch Interceptor gate is closed due to river infiltration which takes the station offline. The lack of capacity at the station contributes to the overflows at CSO 419.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	2,486,700	0	0	0	0	2,486,700
MSD Capital Improvements	0	0	2,486,700	0	0	0	0	2,486,700
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Walnut Hills Cemetery Sewer Replacement

Dept. Priority: 72

Description

Located in the Walnut Hills neighborhood of Cincinnati, the project will replace a parallel sewer system which bisects roughly 1,800 feet of Walnut Hills Cemetery. The 18 to 21 inch diameter clay pipe is typically beset with severe deformation and offset pipe sections due to settling and is considered at extreme risk of failure.

Purpose

A central branch in the cemetery is still the original system, which includes 3 parallel sewer lines of 18 to 21 inch clay pipe. The overall risk scores for most of the pipe of concern are typically medium (overall risk score of 12 on a 1 to 25 point scale) due to the lack of homes or other structures on top of the sewer. However, the likelihood of failure component of the overall risk score is rated as extreme (a score of 5, on a scale of 1 to 5). The central branch of sewer in the cemetery has severe deformation and settling problems. Main-



tenance staff have had to do multiple repairs and cannot line the pipe because the amount of offset and deformation is too large.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	210,000	400,000	0	0	610,000
MSD Capital Improvements	0	0	0	210,000	400,000	0	0	610,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

I-75 Lockland Split Sewer Rehabilitation

Dept. Priority: 73

Description

The Ohio Department of Transportation (ODOT) plans to demolish the northbound lanes of Interstate 75 (I-75) along Mill Creek, from Ronald Reagan Cross County Highway to Shepherd Lane, an area known as the Lockland Split. Over 6 miles of MSD sewer are in the area of ODOT's work, with roughly 2.7 miles of pipe identified as being at a high or extreme risk of failure. The project will rehabilitate or replace sewers and manholes as needed to protect the system during ODOT construction anticipated in 2028. The project area covers the municipal jurisdictions of Lockland, Reading, Sycamore, Arlington Heights, and Cincinnati neighborhoods of Hartwell and Roselawn.

Purpose

High to extreme risk of failure has been assessed along 2.7 miles of MSD sewer near ODOT's proposed I-75 Lockland Split improvements. The risk assessment represents work MSD needs to perform, regardless of whether ODOT proceeds, delays, or changes scope of their project. The scope of sewer work is expected to exceed MSD's capacity to perform it in-house or under existing contracts.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	435,000	0	0	0	0	0	435,000
MSD Capital Improvements	0	435,000	0	0	0	0	0	435,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

East Loveland Ave Sewer Replacement Phase 2

Dept. Priority: 74

Description

MSD will replace and upsize about 3,200 feet of existing 8 inch diameter sewer along E. Loveland Avenue. The work will be on two (2) sections of sanitary sewers on East Loveland Avenue (between MH 68409002-61114003 and between MHs 61115010-61115001) to address condition and capacity deficiencies. Visual condition assessments have shown the presence of multiple structural defects in the VCP sewer along East Loveland Avenue. Longitudinal cracking was observed in portions of these segments along with portions of broken pipe and joint offsets. In addition, the existing hydraulic sewer model indicates capacity issues in the system. Improving capacity in the sewer has the potential to alleviate overflows and reduce risk of SBU's

Capital Improvement Program

Sewers



in a densely populated residential area. This phase 2 project will follow standard MSD delivery strategy for design-bid-build projects.

Purpose

MSD will replace and upsize about 3,200 feet of existing 8 inch sewer along E. Loveland Avenue. The work will be on 2 sections of sewers on East Loveland Avenue (between MH 68409002-61114003 and between MHs 61115010-61115001) to address condition and capacity deficiencies. Visual assessments have shown multiple structural defects in the VCP sewer along East Loveland Avenue. Longitudinal cracking was observed in portions of these segments along with portions of broken pipe and joint offsets. In addition, the existing model indicates capacity issues in the system. Improving capacity in the sewer has the potential to alleviate overflows and reduce risk of SBUs in a densely populated area.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	858,000	0	0	0	858,000
Engineering	251,600	0	0	0	0	0	0	0
MSD Capital Improvements	251,600	0	0	858,000	0	0	0	858,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

SCWWTP Secondary Clarifier Upgrade

Dept. Priority: 75

Description

The Sycamore Creek Wastewater Treatment Plant (SCWWTP) utilizes three 95 foot diameter circular secondary settling tanks or clarifiers for liquid solid separation of the mixed liquor suspended solids. The three clarifiers were constructed in 2010, 1995, and 1984. Each clarifier is also equipped with a rotating mechanism that collects the solids that accumulate in the tank. These collectors, including the gear motors and drive units, are original to the tanks. The clarifier tanks are nearing the end of their useful life and have damage to the concrete floors that are impeding their operation. This project will evaluate repair or replacement of the clarifiers at the Sycamore Creek Wastewater Treatment Plant, including the collector arms, gear motors and drive units. Redundancy in the secondary clarification process will also be evaluated. This project is located at the Sycamore WWTP at 9273 Old Remington Road in Sycamore Township, Hamilton County, Ohio.

Purpose

Due to the age of settling tanks #2 (1995) and #3 (1985), the concrete floor is starting to fail on both units. Settling tank #3 has a large crack and part of the floor is hooved up, which is scraping on the bottom collector arm. The floor in Secondary Settling tank #2 is raised in multiple places and the collector arm had to be lifted to allow for proper rotation. The collector arms are original to the tanks and should be replaced due to age. Failure to repair these critical assets can lead to a lowering of effluent quality which can ultimately lead to violating the facility's NPDES permit.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	5,340,000	0	0	0	5,340,000
MSD Capital Improvements	0	0	0	5,340,000	0	0	0	5,340,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Linwood Avenue Sewer Replacement

Dept. Priority: 76

Description

This project will replace 800 feet of existing deteriorated sewer, partly in the same alignment and partly in a new alignment. This project is located at 3530 through 3552 Linwood Avenue in the Mount Lookout neighborhood of the City of Cincinnati.

Purpose

The purpose of this project is to replace a deteriorated sewer in order to reduce potential WIB's and reduce maintenance costs.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	733,500	0	0	0	0	733,500
MSD Capital Improvements	0	0	733,500	0	0	0	0	733,500
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Paxton Avenue Sewer Rehabilitation

Dept. Priority: 77

Description

This project was nominated by WWC due to the deteriorating condition of large sewer segments under buildings. The BCE for this project was developed in 2012, but alternatives are being evaluated. The scope of work includes an expanded project area, and hydraulics of the system are being re-evaluated. This project will rehabilitate approximately 1,086 feet of existing 84 inch diameter arch pipe and 54 feet of existing 84 inch x 108 inch rectangular combined sewer. The sewer was installed in 1932.

Purpose

The existing conduit from MH 42506011 to MH 42511049 was installed in 1930s. A length of 336 linear feet of mostly 84 inch diameter reinforced concrete pipe has extensive deterioration throughout. Pavement directly above the deteriorated conduit is used for vehicle parking. Vehicle loading will lead to failure sooner than would otherwise be expected. Failure of the conduit may damage foundations of adjacent homes.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	2,862,000	0	0	0	0	2,862,000
MSD Capital Improvements	0	0	2,862,000	0	0	0	0	2,862,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Elsmere Avenue from Slane to Lafayette Sewer Replacement

Dept. Priority: 78

Description

The project was nominated by the Wastewater Collection division (WWC) due to the observed structural defects for assets located directly adjacent to, or underneath, several residences. During planning efforts, three separate sewer crossings that run through the cross section of the sewer were discovered, which

Capital Improvement Program

Sewers



would not allow the sewer to be lined, and it was found that many homes in the project area experience sewer backups during wet weather. The recommended replacement alternative consists of approximately 1,000 liner feet of 54 inch and 1,720 liner feet of 60 inch combined sewer. Additionally, this alternative requires approximately 13 manholes, 120 laterals to be reconstructed with two-way cleanouts, and 1,600 liner feet of pipe to be filled, sealed, and abandoned. If the project does not proceed forward, existing assets will remain underneath residential structures, presenting risk. Also, the area has significant capacity issues that would go unaddressed.

Purpose

The project includes two segments that have been requested for a BCE by the WWC Gravity Sewer Asset Management system, both with structural risks of 19.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	8,222,300	0	0	8,222,300
Engineering	1,104,000	0	0	0	0	0	0	0
MSD Capital Improvements Total	1,104,000	0	0	0	8,222,300	0	0	8,222,300
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Wasson Ravine Sewer Replacement

Dept. Priority: 79

Description

This project is located between Wasson Road and Mt. Vernon Avenue, in the Oakley neighborhood of the City of Cincinnati. The pipe segments are approximately 1,450 feet, are in poor condition and are partially collapsed or deformed and broken. This project will include the abandonment of the 24 inch combined sewer between Wasson Road and Mt. Vernon Avenue, and redirect the service laterals to the respective street sewers running along Drake Avenue, Drakewood Drive, and Isabella Avenue. The high risk sewer will be filled, sealed and abandoned, and the existing sewers along Drakewood and Isabella will be replaced with larger diameter sewers to accommodate the additional flow.

Purpose

The pipes in this project have deteriorated and require replacement. Some segments have shape loss greater than 20 percent and cannot be lined. These segments run under 12 existing structures and are in danger of collapse. The segments pose a risk to MSDGC in their current condition. The collapse of the pipes could represent a liability to MSDGC. The health risk of non-performance is sewage ex-filtration as a result of not being able to carry out maintenance operations for these assets. Also, in the event that the pipe collapses, it may result in sewage backups, sewage discharges to the environment and foundation damage due to the proximity to the buildings.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	2,038,000	0	0	0	2,038,000
MSD Capital Improvements Total	0	0	0	2,038,000	0	0	0	2,038,000
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Wayside Hills Pump Station

Dept. Priority: 80

Description

The Wayside Hills Pump Station consists of a 0.35 MGD pump station, 1,840 feet of 4 inch force main, and 7 air release valves. The pump station has several critical assets that are in poor condition and/or reaching the end of their useful life. This project will evaluate the pump station, force main and other appurtenances for rehab, replacement, or elimination. The project is located in Anderson Township at 5783 Shady Hollow Ln in the California watershed of the Little Miami Basin.

Purpose

Based on available condition assessment information the Wayside Hills Pump station's wet well is in poor condition and has reached the end of its remaining useful life. The station's valve vault and power equipment are nearing or have reached the end of their estimated useful life. Additionally, operation staff have observed wet well overflows and noted some capacity issues in the area. This project will evaluate the station for rehab, replacement, or elimination.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	1,470,000	0	0	1,470,000
Engineering	642,500	0	0	0	0	0	0	0
MSD Capital Improvements Total	642,500	0	0	0	1,470,000	0	0	1,470,000
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Wayside Avenue and Colter Avenue Sewer Improvements

Dept. Priority: 81

Description

This project will address capacity issues due to reported surcharging by residents and inconsistent pipe sizes in the system. This project will evaluate replacement of approximately 3,000 linear feet of existing sanitary sewer to increase conveyance capacity of the sewer system. In addition, the project will eliminate hydraulic bottlenecks in critical areas where capacity is constrained. The project area is located west of Sutton Avenue, bounded by Colter Avenue to the south and Wayside Avenue to the north in the Mt. Washington neighborhood of the City of Cincinnati, Hamilton County, Ohio.

Purpose

This project proposes replacing numerous segments of sanitary sewer within the Mt. Washington Neighborhood. These segments are undersized, over 90 years old and well past their useful life. These existing segments serve a large collection area whose aggregate flow exceeds the capacity of the existing 8-inch sewer.

Capital Improvement Program

Sewers



There are also bottlenecks present that must be resolved in order to help remedy the root cause of the ongoing sewage surfacing events.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	1,470,800	0	0	1,470,800
Engineering	483,400	0	0	0	0	0	0	0
MSD Capital Improvements Total	483,400	0	0	0	1,470,800	0	0	1,470,800
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Madison Rd and Edwards Rd Sewer Improvements

Dept. Priority: 82

Description

This project addresses the remediation of the 30 existing sewer segments due to shape loss, longitudinal and spiral cracking, and capacity-related issues. Several of the sewer segments identified for evaluation currently rank as high- and extreme-risk of failure. This project will evaluate approximately 4,100 linear feet of combined sewer. CIPP replacement or lining of these segments will improve the structural integrity of the pipes, reduce the risk rating, and prolong the useful life of the sewer. However, there are three segments that run under buildings that would potentially need relocated or lined.

Purpose

Longitudinal cracking was observed in portions of both segments. In addition, portions of broken pipe and joint offsets were observed. These segments are both still rated as extreme risk and are potential lining candidates. Monitoring and modeling will be required to determine the hydraulic condition of the sewer system. Since this project was initially proposed, the scope has expanded to include additional sewer segments with a risk of failure within the next 10 years according to PACP scoring criteria. It should be noted that cave-ins, water in basement issues, manhole problems, and sewage odors were reported in the vicinity of the project area.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	2,794,130	0	0	2,794,130
Engineering	434,500	0	0	0	0	0	0	0
MSD Capital Improvements Total	434,500	0	0	0	2,794,130	0	0	2,794,130
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Delta Ave at Linwood Ave Sewer Replacement

Dept. Priority: 83

Description

This project will conduct planning for the replacement of 2,800 feet of existing combined sewers at Delta Ave. from Griest Ave to Linwood Ave. The project area contains multiple segments with shapeloss, longitudinal cracking, and capacity related issues. Due to the poor condition of the sewers, rehabilitation via lining



is not feasible. Sewers within the project area range from medium to extreme risk and surcharge as frequently as the 6-month storm.

Purpose

This project is replacing and expanding the scope of the predecessor project - 10270165 Delta and Griest Sewer Replacement. The BCE for Delta and Griest identified capacity issues immediately downstream of the original project area in addition to several high risk sewer segments. As a result, this project will evaluate the existing project area of Delta and Griest with 10 additional sewer segments for replacement.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	0	4,050,000	0	0	4,050,000
Engineering	231,000	0	539,000	0	0	0	0	539,000
MSD Capital Improvements	231,000	0	539,000	0	4,050,000	0	0	4,589,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Little Miami Interceptor Sluice Gate Replace and Relocate

Dept. Priority: 84

Description

The existing Little Miami Interceptor Sluice gate is located within MH 45708003 in the Little Miami Basin, Upper Duck Creek watershed. This key asset is used to control flow in the interceptor system tributary to the Little Miami WWTP during wet weather and flooding conditions. The existing gate, structure, and associated equipment are nearly inoperable and approaching failure. It is manually operated and has a decreasing range of motion. Failure of the gate will result in an inundation of the Little Miami WWTP by untreated combined flow, negatively impact plant operations and potentially result in surcharging conditions within the tributary sewer system.

Purpose

This project will provide resources to repair this existing infrastructure.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	64,000	104,000	0	0	0	168,000
MSD Capital Improvements	0	0	64,000	104,000	0	0	0	168,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Chandler Street Sewer Improvements

Dept. Priority: 85

Description

This project is located in Madisonville neighborhood of Cincinnati, within the Upper Duck Creek watershed of the Little Miami Basin. The project area includes approximately 6,000 feet of combined sewer ranging in size between 8 and 54 inches. The sewer system services over 135 structures that are primarily residential with a church, school, and several businesses. The existing system surcharges during wet weather events and 30 SBUs have been documented to date. In addition, the system contains multiple medium to extreme

Capital Improvement Program

Sewers



risk sewer segments. The planning effort will evaluate alternatives to address capacity issues, to mitigate SBUs and to replace deficient sewer assets.

Purpose

This project is to address identified capacity issues determined through previous modeling. There were about 30 unique SBU locations identified within the project area. GSAM structural risk records indicate there are 9 medium risks, 1 high risk, and 1 extreme risk sewer segments within the project area. Sewer Separation was selected to offload stormwater from the combined sewer system due to there being favorable topography draining south toward Chandler Street with a receiving water directly adjacent to the Project Area.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	415,000	1,124,000	0	0	0	1,539,000
MSD Capital Improvements	0	0	415,000	1,124,000	0	0	0	1,539,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hydraulic Modeling Support 2025

Dept. Priority: 86

Description

This allowance funds professional hydraulic modeling and calibration services to improve the System-Wide Model (SWM) through systematic calibration over a 20-year life-cycle and the incorporation of project-specific models for each of MSD's seven sewersheds. Sewer modeling is used to assist in the project nomination, planning and design process managed by MSD's WVE Division. Ensuring the SWM is accurate and updated is essential to MSD's compliance with the requirements of the Global Consent Decree and MSD's CSO NPDES permit. MSD is committed to ensuring its system-wide model meets the latest standards and provides the best available tool for assessing, planning, and designing MSD's infrastructure. Budget is based on 56 meters for systematic calibration of the SWM and 50 project-specific meters at a base cost of \$24,000 per meter.

Purpose

This project will provide hydraulic, hydrologic, and treatment process modeling services to be used to support MSD's long-range planning needs, and to meet MSD's SSO and CSO monitoring requirements.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	2,891,790	0	0	0	0	0	2,891,790
MSD Capital Improvements	0	2,891,790	0	0	0	0	0	2,891,790
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Hydraulic Modeling Support 2026

Dept. Priority: 87

Description

This allowance funds professional hydraulic modeling and calibration services to improve the System-Wide Model (SWM) through systematic calibration over a 20-year life-cycle and the incorporation of project-specific models for each of MSD's seven sewersheds. Sewer modeling is used to assist in the project nomination, planning and design process managed by MSD's WWE Division. Ensuring the SWM is accurate and updated is essential to MSD's compliance with the requirements of the Global Consent Decree and MSD's CSO NPDES permit. MSD is committed to ensuring its system-wide model meets the latest standards and provides the best available tool for assessing, planning, and designing MSD's infrastructure. Budget is based on 56 meters for systematic calibration of the SWM and 50 project-specific meters at a base cost of \$24,000 per meter.

Purpose

This project will provide hydraulic, hydrologic, and treatment process modeling services to be used to support MSD's long-range planning needs, and to meet MSD's SSO and CSO monitoring requirements.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	2,993,000	0	0	0	0	2,993,000
MSD Capital Improvements	0	0	2,993,000	0	0	0	0	2,993,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hydraulic Modeling Support 2027

Dept. Priority: 88

Description

This allowance funds professional hydraulic modeling and calibration services to improve the System-Wide Model (SWM) through systematic calibration over a 20-year life-cycle and the incorporation of project-specific models for each of MSD's seven sewersheds. Sewer modeling is used to assist in the project nomination, planning and design process managed by MSD's WWE Division. Ensuring the SWM is accurate and updated is essential to MSD's compliance with the requirements of the Global Consent Decree and MSD's CSO NPDES permit. MSD is committed to ensuring its system-wide model meets the latest standards and provides the best available tool for assessing, planning, and designing MSD's infrastructure. Budget is based

Capital Improvement Program

Sewers



on 56 meters for systematic calibration of the SWM and 50 project-specific meters at a base cost of \$24,000 per meter.

Purpose

This project will provide hydraulic, hydrologic, and treatment process modeling services to be used to support MSD's long-range planning needs, and to meet MSD's SSO and CSO monitoring requirements.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	3,097,760	0	0	0	3,097,760
MSD Capital Improvements	0	0	0	3,097,760	0	0	0	3,097,760
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hydraulic Modeling Support 2028

Dept. Priority: 89

Description

This allowance funds professional hydraulic modeling and calibration services to improve the System-Wide Model (SWM) through systematic calibration over a 20-year life-cycle and the incorporation of project-specific models for each of MSD's seven sewersheds. Sewer modeling is used to assist in the project nomination, planning and design process managed by MSD's WVE Division. Ensuring the SWM is accurate and updated is essential to MSD's compliance with the requirements of the Global Consent Decree and MSD's CSO NPDES permit. MSD is committed to ensuring its system-wide model meets the latest standards and provides the best available tool for assessing, planning, and designing MSD's infrastructure. Budget is based on 56 meters for systematic calibration of the SWM and 50 project-specific meters at a base cost of \$24,000 per meter.

Purpose

This project will provide hydraulic, hydrologic, and treatment process modeling services to be used to support MSD's long-range planning needs, and to meet MSD's SSO and CSO monitoring requirements.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	3,206,180	0	0	3,206,180
MSD Capital Improvements	0	0	0	0	3,206,180	0	0	3,206,180
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Hydraulic Modeling Support 2029

Dept. Priority: 90

Description

This allowance funds professional hydraulic modeling and calibration services to improve the System-Wide Model (SWM) through systematic calibration over a 20-year life-cycle and the incorporation of project-specific models for each of MSD's seven sewersheds. Sewer modeling is used to assist in the project nomination, planning and design process managed by MSD's WVE Division. Ensuring the SWM is accurate and updated is essential to MSD's compliance with the requirements of the Global Consent Decree and MSD's



CSO NPDES permit. MSD is committed to ensuring its system-wide model meets the latest standards and provides the best available tool for assessing, planning, and designing MSD's infrastructure. Budget is based on 56 meters for systematic calibration of the SWM and 50 project-specific meters at a base cost of \$24,000 per meter.

Purpose

This project will provide hydraulic, hydrologic, and treatment process modeling services to be used to support MSD's long-range planning needs, and to meet MSD's SSO and CSO monitoring requirements.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	0	0	0	3,315,290	0	3,315,290
MSD Capital Improvements	0	0	0	0	0	3,315,290	0	3,315,290
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Critical Asset Management 2025

Dept. Priority: 91

Description

This allowance funds emergency repair or replacement of failed or significantly degraded treatment assets, including the structures and building control systems that protect the assets. This enables MSD to respond to sudden/unexpected failures, to complete facultative repairs to high-risk assets, and to make prioritized system improvements to minimize the risk of health and safety threats or permit violations.

Purpose

The purpose of the Facilities Asset Management Projects allowance is to provide MSD with an expeditious means of addressing infrastructure and other asset failures in advance of catastrophic failure when possible. This allowance utilizes district wide condition reports, field data, studies and other analyses in coordination with in-house engineering to provide MSD with a rapid means to address failing roofs, roadways, other unforeseen capital needs that require little or no design, that are needed sooner than the normal CIP project process allows, and/or are of significantly less cost than a typical standalone CIP project.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	7,687,310	0	0	0	0	0	7,687,310
MSD Capital Improvements	0	7,687,310	0	0	0	0	0	7,687,310
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Critical Asset Management 2026

Dept. Priority: 92

Description

This allowance funds emergency repair or replacement of failed or significantly degraded treatment assets, including the structures and building control systems that protect the assets. This enables MSD to respond

Capital Improvement Program

Sewers



to sudden/unexpected failures, to complete facultative repairs to high-risk assets, and to make prioritized system improvements to minimize the risk of health and safety threats or permit violations.

Purpose

The purpose of the Facilities Asset Management Projects allowance is to provide MSD with an expeditious means of addressing infrastructure and other asset failures in advance of catastrophic failure when possible. This allowance utilizes district wide condition reports, field data, studies and other analyses in coordination with in-house engineering to provide MSD with a rapid means to address failing roofs, roadways, other unforeseen capital needs that require little or no design, that are needed sooner than the normal CIP project process allows, and/or are of significantly less cost than a typical standalone CIP project.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	7,956,360	0	0	0	0	7,956,360
MSD Capital Improvements	0	0	7,956,360	0	0	0	0	7,956,360
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Critical Asset Management 2027

Dept. Priority: 93

Description

This allowance funds emergency repair or replacement of failed or significantly degraded treatment assets, including the structures and building control systems that protect the assets. This enables MSD to respond to sudden/unexpected failures, to complete facultative repairs to high-risk assets, and to make prioritized system improvements to minimize the risk of health and safety threats or permit violations.

Purpose

The purpose of the Facilities Asset Management Projects allowance is to provide MSD with an expeditious means of addressing infrastructure and other asset failures in advance of catastrophic failure when possible. This allowance utilizes district wide condition reports, field data, studies and other analyses in coordination with in-house engineering to provide MSD with a rapid means to address failing roofs, roadways, other unforeseen capital needs that require little or no design, that are needed sooner than the normal CIP project process allows, and/or are of significantly less cost than a typical standalone CIP project.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	0	0	8,234,840	0	0	0	8,234,840
MSD Capital Improvements	0	0	0	8,234,840	0	0	0	8,234,840
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Critical Asset Management 2028

Dept. Priority: 94

Description

This allowance funds emergency repair or replacement of failed or significantly degraded treatment assets, including the structures and building control systems that protect the assets. This enables MSD to respond



to sudden/unexpected failures, to complete facultative repairs to high-risk assets, and to make prioritized system improvements to minimize the risk of health and safety threats or permit violations.

Purpose

The purpose of the Facilities Asset Management Projects allowance is to provide MSD with an expeditious means of addressing infrastructure and other asset failures in advance of catastrophic failure when possible. This allowance utilizes district wide condition reports, field data, studies and other analyses in coordination with in-house engineering to provide MSD with a rapid means to address failing roofs, roadways, other unforeseen capital needs that require little or no design, that are needed sooner than the normal CIP project process allows, and/or are of significantly less cost than a typical standalone CIP project.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	8,523,060	0	0	8,523,060
MSD Capital Improvements	0	0	0	0	8,523,060	0	0	8,523,060
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Critical Asset Management 2029

Dept. Priority: 95

Description

This allowance funds emergency repair or replacement of failed or significantly degraded treatment assets, including the structures and building control systems that protect the assets. This enables MSD to respond to sudden/unexpected failures, to complete facultative repairs to high-risk assets, and to make prioritized system improvements to minimize the risk of health and safety threats or permit violations.

Purpose

The purpose of the Facilities Asset Management Projects allowance is to provide MSD with an expeditious means of addressing infrastructure and other asset failures in advance of catastrophic failure when possible. This allowance utilizes district wide condition reports, field data, studies and other analyses in coordination with in-house engineering to provide MSD with a rapid means to address failing roofs, roadways, other unforeseen capital needs that require little or no design, that are needed sooner than the normal CIP project process allows, and/or are of significantly less cost than a typical standalone CIP project.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	0	8,523,060	0	8,523,060
MSD Capital Improvements	0	0	0	0	0	8,523,060	0	8,523,060
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Prioritized Wastewater Collection System Asset Man 2025

Dept. Priority: 96

Description

This allowance funds emergency repairs to sewer segments and renewal of failed or structurally deteriorated high-risk utility-owned sewer assets, including structurally failed privately-owned active building

Capital Improvement Program

Sewers



sewers located within the right-of-way. This integrated asset management strategy strives to provide the acceptable levels of service at the lowest life-cycle cost.

Purpose

MSD proposes to use the single Prioritized Wastewater Collection System Improvements allowance to fund all planned and reactive improvements to publicly owned asset classes that comprise the wastewater collection system, excluding work specifically covered in other Consent Decree specified allowances (Main Sewer Renewal and Manhole Renewal) and the structural renewal and/or improvement of Privately-owned Building Sewers (Building Sewer Renewal) consistent with MSD's Rules and Regulations.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	22,174,360	0	0	0	0	0	22,174,360
MSD Capital Improvements	0	22,174,360	0	0	0	0	0	22,174,360
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Prioritized Wastewater Collection System Asset Man 2026

Dept. Priority: 97

Description

This allowance funds emergency repairs to sewer segments and renewal of failed or structurally deteriorated high-risk utility-owned sewer assets, including structurally failed privately-owned active building sewers located within the right-of-way. This integrated asset management strategy strives to provide the acceptable levels of service at the lowest life-cycle cost.

Purpose

MSD proposes to use the single Prioritized Wastewater Collection System Improvements allowance to fund all planned and reactive improvements to publicly owned asset classes that comprise the wastewater collection system, excluding work specifically covered in other Consent Decree specified allowances (Main Sewer Renewal and Manhole Renewal) and the structural renewal and/or improvement of Privately-owned Building Sewers (Building Sewer Renewal) consistent with MSD's Rules and Regulations.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	22,950,460	0	0	0	0	22,950,460
MSD Capital Improvements	0	0	22,950,460	0	0	0	0	22,950,460
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Prioritized Wastewater Collection System Asset Man 2027

Dept. Priority: 98

Description

This allowance funds emergency repairs to sewer segments and renewal of failed or structurally deteriorated high-risk utility-owned sewer assets, including structurally failed privately-owned active building



sewers located within the right-of-way. This integrated asset management strategy strives to provide the acceptable levels of service at the lowest life-cycle cost.

Purpose

MSD proposes to use the single Prioritized Wastewater Collection System Improvements allowance to fund all planned and reactive improvements to publicly owned asset classes that comprise the wastewater collection system, excluding work specifically covered in other Consent Decree specified allowances (Main Sewer Renewal and Manhole Renewal) and the structural renewal and/or improvement of Privately-owned Building Sewers (Building Sewer Renewal) consistent with MSD's Rules and Regulations.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	23,754,400	0	0	0	23,754,400
MSD Capital Improvements	0	0	0	23,754,400	0	0	0	23,754,400
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Prioritized Wastewater Collection System Asset Man 2028

Dept. Priority: 99

Description

This allowance funds emergency repairs to sewer segments and renewal of failed or structurally deteriorated high-risk utility-owned sewer assets, including structurally failed privately-owned active building sewers located within the right-of-way. This integrated asset management strategy strives to provide the acceptable levels of service at the lowest life-cycle cost.

Purpose

MSD proposes to use the single Prioritized Wastewater Collection System Improvements allowance to fund all planned and reactive improvements to publicly owned asset classes that comprise the wastewater collection system, excluding work specifically covered in other Consent Decree specified allowances (Main Sewer Renewal and Manhole Renewal) and the structural renewal and/or improvement of Privately-owned Building Sewers (Building Sewer Renewal) consistent with MSD's Rules and Regulations.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	24,585,800	0	0	24,585,800
MSD Capital Improvements	0	0	0	0	24,585,800	0	0	24,585,800
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Prioritized Wastewater Collection System Asset Man 2029

Dept. Priority: 100

Description

This allowance funds emergency repairs to sewer segments and renewal of failed or structurally deteriorated high-risk utility-owned sewer assets, including structurally failed privately-owned active building

Capital Improvement Program

Sewers



sewers located within the right-of-way. This integrated asset management strategy strives to provide the acceptable levels of service at the lowest life-cycle cost.

Purpose

MSD proposes to use the single Prioritized Wastewater Collection System Improvements allowance to fund all planned and reactive improvements to publicly owned asset classes that comprise the wastewater collection system, excluding work specifically covered in other Consent Decree specified allowances (Main Sewer Renewal and Manhole Renewal) and the structural renewal and/or improvement of Privately-owned Building Sewers (Building Sewer Renewal) consistent with MSD's Rules and Regulations.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Construction	0	0	0	0	0	25,446,300	0	25,446,300
MSD Capital Improvements	0	0	0	0	0	25,446,300	0	25,446,300
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

CIP Planning 2025

Dept. Priority: 101

Description

This allowance funds professional services that support and guide engineering-based capital investment priorities in the short term and recommendations over the long-term. Work includes facility, watershed, and basin-based studies across the MSD service area, as well as work to develop and confirm project drivers, costs and benefits, possible alternatives, and priority. Project nominations resulting from this work will be submitted for inclusion in a future CIP.

Purpose

This project will provide capital funding to support planning CIP projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	1,000,000	0	0	0	0	0	1,000,000
MSD Capital Improvements	0	1,000,000	0	0	0	0	0	1,000,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

CIP Planning 2026

Dept. Priority: 102

Description

This allowance funds professional services that support and guide engineering-based capital investment priorities in the short term and recommendations over the long-term. Work includes facility, watershed, and basin-based studies across the MSD service area, as well as work to develop and confirm project drivers,



costs and benefits, possible alternatives, and priority. Project nominations resulting from this work will be submitted for inclusion in a future CIP.

Purpose

This project will provide capital funding to support planning CIP projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	1,035,000	0	0	0	0	1,035,000
MSD Capital Improvements	0	0	1,035,000	0	0	0	0	1,035,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

CIP Planning 2027

Dept. Priority: 103

Description

This allowance funds professional services that support and guide engineering-based capital investment priorities in the short term and recommendations over the long-term. Work includes facility, watershed, and basin-based studies across the MSD service area, as well as work to develop and confirm project drivers, costs and benefits, possible alternatives, and priority. Project nominations resulting from this work will be submitted for inclusion in a future CIP.

Purpose

This project will provide capital funding to support planning CIP projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	0	1,071,230	0	0	0	1,071,230
MSD Capital Improvements	0	0	0	1,071,230	0	0	0	1,071,230
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

CIP Planning 2028

Dept. Priority: 104

Description

This allowance funds professional services that support and guide engineering-based capital investment priorities in the short term and recommendations over the long-term. Work includes facility, watershed, and basin-based studies across the MSD service area, as well as work to develop and confirm project drivers,

Capital Improvement Program

Sewers



costs and benefits, possible alternatives, and priority. Project nominations resulting from this work will be submitted for inclusion in a future CIP.

Purpose

This project will provide capital funding to support planning CIP projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	1,108,720	0	0	1,108,720
MSD Capital Improvements	0	0	0	0	1,108,720	0	0	1,108,720
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

CIP Planning 2029

Dept. Priority: 105

Description

This allowance funds professional services that support and guide engineering-based capital investment priorities in the short term and recommendations over the long-term. Work includes facility, watershed, and basin-based studies across the MSD service area, as well as work to develop and confirm project drivers, costs and benefits, possible alternatives, and priority. Project nominations resulting from this work will be submitted for inclusion in a future CIP.

Purpose

This project will provide capital funding to support planning CIP projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	0	0	0	1,147,520	0	1,147,520
MSD Capital Improvements	0	0	0	0	0	1,147,520	0	1,147,520
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Flow Monitoring Support 2025

Dept. Priority: 106

Description

This allowance funds the deployment of flow monitors in the collection system. Flow monitoring is an essential activity for maintaining and improving the district's hydraulic models and in the development of capital projects. Flow monitoring is the action of collecting data from the field regarding the hydraulic conditions in the collection system, which is then used to calibrate or improve sections of the system wide models so that the models can support alternative analysis and project planning. The timing and duration of monitoring depends on the use of the data but must be at least one full year for projects seeking wet weather solutions or improving the system wide model. Small projects in separated areas may not require a full year. Meters are deployed in all regions of the MSD service area, as needed, to support specific project needs. MSD's Remote Monitoring Section optimizes internal and external resources to provide flow monitoring



services for an average of \$20,000 per meter per year. Budget is based on the installation of 56 meters for systematic calibration of the SWM and 50 meters to support capital project development.

Purpose

This program supports the underlying hydraulic engineering work necessary for all wastewater engineering projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	2,120,000	0	0	0	0	0	2,120,000
MSD Capital Improvements	0	2,120,000	0	0	0	0	0	2,120,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Flow Monitoring Support 2026

Dept. Priority: 107

Description

This allowance funds the deployment of flow monitors in the collection system. Flow monitoring is an essential activity for maintaining and improving the district's hydraulic models and in the development of capital projects. Flow monitoring is the action of collecting data from the field regarding the hydraulic conditions in the collection system, which is then used to calibrate or improve sections of the system wide models so that the models can support alternative analysis and project planning. The timing and duration of monitoring depends on the use of the data but must be at least one full year for projects seeking wet weather solutions or improving the system wide model. Small projects in separated areas may not require a full year. Meters are deployed in all regions of the MSD service area, as needed, to support specific project needs. MSD's Remote Monitoring Section optimizes internal and external resources to provide flow monitoring services for an average of \$20,000 per meter per year. Budget is based on the installation of 56 meters for systematic calibration of the SWM and 50 meters to support capital project development.

Purpose

This program supports the underlying hydraulic engineering work necessary for all wastewater engineering projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031 Total
Engineering	0	0	2,194,200	0	0	0	0	2,194,200
MSD Capital Improvements	0	0	2,194,200	0	0	0	0	2,194,200
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Flow Monitoring Support 2027

Dept. Priority: 108

Description

This allowance funds the deployment of flow monitors in the collection system. Flow monitoring is an essential activity for maintaining and improving the district's hydraulic models and in the development of capital projects. Flow monitoring is the action of collecting data from the field regarding the hydraulic con-

Capital Improvement Program

Sewers



ditions in the collection system, which is then used to calibrate or improve sections of the system wide models so that the models can support alternative analysis and project planning. The timing and duration of monitoring depends on the use of the data but must be at least one full year for projects seeking wet weather solutions or improving the system wide model. Small projects in separated areas may not require a full year. Meters are deployed in all regions of the MSD service area, as needed, to support specific project needs. MSD's Remote Monitoring Section optimizes internal and external resources to provide flow monitoring services for an average of \$20,000 per meter per year. Budget is based on the installation of 56 meters for systematic calibration of the SWM and 50 meters to support capital project development.

Purpose

This program supports the underlying hydraulic engineering work necessary for all wastewater engineering projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	0	2,271,000	0	0	0	2,271,000
MSD Capital Improvements	0	0	0	2,271,000	0	0	0	2,271,000
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Flow Monitoring Support 2028

Dept. Priority: 109

Description

This allowance funds the deployment of flow monitors in the collection system. Flow monitoring is an essential activity for maintaining and improving the district's hydraulic models and in the development of capital projects. Flow monitoring is the action of collecting data from the field regarding the hydraulic conditions in the collection system, which is then used to calibrate or improve sections of the system wide models so that the models can support alternative analysis and project planning. The timing and duration of monitoring depends on the use of the data but must be at least one full year for projects seeking wet weather solutions or improving the system wide model. Small projects in separated areas may not require a full year. Meters are deployed in all regions of the MSD service area, as needed, to support specific project needs. MSD's Remote Monitoring Section optimizes internal and external resources to provide flow monitoring services for an average of \$20,000 per meter per year. Budget is based on the installation of 56 meters for systematic calibration of the SWM and 50 meters to support capital project development.

Purpose

This program supports the underlying hydraulic engineering work necessary for all wastewater engineering projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	0	0	2,350,480	0	0	2,350,480
MSD Capital Improvements	0	0	0	0	2,350,480	0	0	2,350,480
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0



Flow Monitoring Support 2029

Dept. Priority: 110

Description

This allowance funds the deployment of flow monitors in the collection system. Flow monitoring is an essential activity for maintaining and improving the district's hydraulic models and in the development of capital projects. Flow monitoring is the action of collecting data from the field regarding the hydraulic conditions in the collection system, which is then used to calibrate or improve sections of the system wide models so that the models can support alternative analysis and project planning. The timing and duration of monitoring depends on the use of the data but must be at least one full year for projects seeking wet weather solutions or improving the system wide model. Small projects in separated areas may not require a full year. Meters are deployed in all regions of the MSD service area, as needed, to support specific project needs. MSD's Remote Monitoring Section optimizes internal and external resources to provide flow monitoring services for an average of \$20,000 per meter per year. Budget is based on the installation of 56 meters for systematic calibration of the SWM and 50 meters to support capital project development.

Purpose

This program supports the underlying hydraulic engineering work necessary for all wastewater engineering projects.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Engineering	0	0	0	0	0	2,432,750	0	2,432,750
MSD Capital Improvements	0	0	0	0	0	2,432,750	0	2,432,750
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0

Kenwood Hills Local Sewer

Dept. Priority: 111

Description

This project will construct approximately 12,500 feet of gravity sewer and low pressure force mains in the Carriage Hill and Kenwood Hills subdivisions in the City of Madeira, Hamilton County, Ohio.

Purpose

The purpose of this project is to extend sewer service to the Carriage Hill and Kenwood Hills subdivisions and eliminate about 157 existing Home Sewage Treatment Systems. The area is ranked first on the Hamilton County Health priority area list.

Phases	Prior Year	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2026-2031
								Total
Construction	0	11,394,150	0	0	0	0	0	11,394,150
MSD Capital Improvements	0	11,394,150	0	0	0	0	0	11,394,150
Total								
Estimated Personnel Cost	0	0	0	0	0	0	0	0