MIDWAY CITY SANITARY DISTRICT

Serving the Community of Westminster and Midway City since 1939

Midway City Sanitary District

5-Year Capital and Operation Plan

Fiscal year 2026-27 through 2030-31

District Board of Directors

Chi Charlie Nguyen – President

Andrew Nguyen – President Pro-Tem

Sergio Contreras – Secretary

Tyler Diep –Treasurer

Mark Nguyen – Secretary/Treasurer Pro-Tem

Prepared by

Robert Housley, General Manager

Milo Ebrahimi, P.E., District Engineer

Maria Gountoumas, Engineering Technician

April 21, 2026

Background

The Midway City Sanitary District (District)'s 5-Year Capital and Operation Plan (5-Year Plan) encompasses all engineered studies and projects related to improvements, repairs, rehabilitation, and replacement of the District's sewer collection, solid waste collection system, and administration building. The 5-Year Plan is a planning tool that manifests proactive asset management, facilitates financial planning (sewer and solid waste service charges and cash flow), promotes organizational balance (staff's ability to manage and support the workload), and informs the Board and the public about the District's infrastructure needs, upcoming projects, and proposed capital expenditures.

A draft of a 5-Year Plan update will be presented annually for Board review, direction, and adoption every March/April.

The strategic goal of the 5-Year Plan is to proactively identify, prioritize, and complete essential projects that ensure the long-term reliability, safety, and efficiency of the District's infrastructure and services.

Discussion

The following tables summarize the sewer collection system projects, solid waste projects, and administration projects planned for the next 5 fiscal years.

No.	List of Projects	Category	Sub-Category	Budget	City	Estimated Cost	Fiscal Year
1	Manhole Project at Westminster Blvd and Springdale St (Construction)	Sewer System	Construction	Capital	WM	$ 1,081,576	2026
2	Purchasing of 2 Pumps for Brookhurst Lift Station	Sewer System	Lift Station	Capital	WM	$ 56,000	2026
3	Purchasing of 1 Vehicle	Admin	Fleet	Capital	MC & WM	$ 50,000	2026
4	District Marquee Sign Board Project	Admin	Marquee	Capital	WM	$ 250,000	2026
5	Design & Construction Requirements for Sanitary Sewers Update Project	Sewer System	Design/Study	Operation	N/A	$ 60,000	2026
6	Fire Suppression System for Solid Waste Trucks	Solid Waste	Fleet	Capital	N/A	$ 80,000	2026
7	Depth and Flow Monitoring Devices, Phase 2 of 3	Sewer System	Smart Cover	Capital	MC & WM	$ 100,000	2026
8	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 27,810	2026
9	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 151,711	2026
10	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2026
11	CNG Evaluation and Upgrade Project	Solid Waste & Sewer	CNG	Operation	WM	$ 100,000	2026
12	Sewer Main Rehab Project, Phase 2 of 6	Sewer System	Line Rehab	Capital	MC & WM	$ 1,500,000	2026
13	Gravity Main Upsizing Project, Phase 1 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 1,250,000	2026
14	Engineering On-call Services	Solid Waste & Sewer	On-call Services	Operation	MC & WM	$ 130,000	2026
15	Lift Station Improvements, Phase 1 of 4	Sewer System	Lift Station	Capital	WM	$ 100,000	2026
16	Micro Grid Project, Phase 1 of 2	Admin	Solar	Capital	WM	$ 180,000	2026
17	Building Project and Rehabilitation	Admin	Building Facilities	Capital	WM	$ 300,000	2026
18	Hanging Plan Holder Cabinets	Sewer System	Building Facilities	Capital	WM	$ 20,000	2026
19	Micro Grid Project, Phase 2 of 2	Admin	Solar	Capital	WM	$ 1,718,658	2027
20	Engineering On-call Services	Solid Waste & Sewer	On-call Services	Operation	MC & WM	$ 130,000	2027
21	SCADA System Upgrades Project (Hardware/Software upgrade), Phase 2 of 2	Sewer System	SCADA	Capital	WM	$ 318,270	2027
22	Assess using non-potable water project for sewer vehicles and wash bay	Solid Waste & Sewer	Building Facilities	Operation	N/A	$ 26,523	2027
23	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 28,644	2027
24	Manhole Rehab Project, Phase 1 of 4	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2027
25	Sewer Main Rehab Project, Phase 3 of 6	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2027
26	Sewer System Management Plan Audit	Sewer System	Design/Study	Operation	N/A	$ 57,284	2027
27	Gravity Main Upsizing Project, Phase 2 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 3,494,299	2027
28	Lift Station Improvements (Brookhurst Lift Station), Phase 2 of 4	Sewer System	Lift Station	Capital	WM	$ 2,674,883	2027
29	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 152,350	2027
30	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2027
31	Depth and Flow Monitoring Devices, Phase 3 of 3	Sewer System	Smart Cover	Capital	MC & WM	$ 100,000	2027
32	Developing Floodplain Management Plan	Solid Waste & Sewer	Design/Study	Operation	N/A	$ 27,318	2028
33	Engineering On-call Services	Solid Waste & Sewer	On-call Services	Operation	MC & WM	$ 130,000	2028
34	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 29,504	2028
35	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 156,612	2028
36	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2028
37	Seismic assessments and retrofit of all buildings and facilities Project	Solid Waste & Sewer	Building Facilities	Capital	WM	$ 87,418	2028
38	Manhole Rehab Project, Phase 2 of 4	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2028
39	Sewer Main Rehab Project, Phase 4 of 6	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2028
40	Gravity Main Upsizing Project, Phase 3 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 3,599,128	2028
41	Lift Station Improvements, Phase 3 of 4	Sewer System	Lift Station	Capital	WM	$ 2,755,129	2028
42	Engineering On-call Services	Solid Waste & Sewer	On-call Services	Operation	MC & WM	$ 130,000	2029
43	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 30,389	2029
44	Local Hazard Mitigation Plan (LHMP) Update	Solid Waste & Sewer	Design/Study	Operation	N/A	$ 54,587	2029
45	Manhole Rehab Project, Phase 3 of 4	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2029
46	Sewer Main Rehab Project, Phase 5 of 6	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2029
47	Gravity Main Upsizing Project, Phase 4 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 3,707,102	2029
48	Lift Station Improvements, Phase 4 of 4	Sewer System	Lift Station	Capital	WM	$ 2,837,783	2029
49	Sewer System Master Plan Update	Sewer System	Design/Study	Operation	N/A	$ 824,873	2029
50	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 161,003	2029
51	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2029
52	Sewer Mains CCTV Video Inspection and Cleaning Project, Phase 1 of 2	Sewer System	CCTV	Operation	MC & WM	$ 1,051,052	2029
53	Engineering On-call Services	Solid Waste & Sewer	On-call Services	Operation	MC & WM	$ 130,000	2030
54	Manhole Rehab Project, Phase 4 of 4	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2030
55	Sewer Main Rehab Project, Phase 6 of 6	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2030
56	Gravity Main Upsizing Project, Phase 5 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 3,818,315	2030
57	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 31,300	2030
58	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 173,535	2030
59	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2030
60	Sewer System Management Plan Audit	Sewer System	Design/Study	Operation	N/A	$ 62,596	2030
	Total Estimated Cost					$ 40,185,653	

The following table demonstrates the estimated total Capital Cost for each project for each fiscal year in which each project is anticipated to occur.

List of Projects	Category	Budget	FY2026-27	FY2027-28	FY2028-29	FY2029-30	FY2030-31	Total
Gravity Main Upsizing Project	Sewer System	Capital	$ 1,250,000	$ 3,494,299	$ 3,599,128	$ 3,707,102	$ 3,818,315	$ 15,868,846
Lift Station Improvements	Sewer System	Capital	$ 100,000	$ 2,674,883	$ 2,755,129	$ 2,837,783		$ 8,367,794
Sewer Main Rehab Project	Sewer System	Capital	$ 1,500,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 5,500,000
Manhole Rehab Project	Sewer System	Capital		$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,000,000
Micro Grid Project	Admin	Capital	$ 180,000	$ 1,718,658				$ 1,898,658
Manhole Project at Westminster Blvd and Springdale St (Construction)	Sewer System	Capital	$ 1,081,576					$ 1,081,576
SCADA System Upgrades Project	Sewer System	Capital		$ 318,270				$ 318,270
Building Project and Rehabilitation	Admin	Capital	$ 300,000					$ 300,000
Manhole Frame and Cover Replacement Project	Sewer System	Capital	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
District Marquee Sign Board Project	Admin	Capital	$ 250,000					$ 250,000
Smart Cover	Sewer System	Capital	$ 100,000	$ 100,000				$ 200,000
Seismic Assessments and Retrofit of All Buildings and Facilities Project	Solid Waste & Sewer	Capital			$ 87,418			$ 87,418
Fire Suppression System for Solid Waste Trucks	Solid Waste	Capital	$ 80,000					$ 80,000
Purchasing of Pumps	Sewer System	Capital	$ 56,000					$ 56,000
Purchasing of 1 Vehicle	Admin	Capital	$ 50,000					$ 50,000
Hanging Plan Holder Cabinets	Sewer System	Capital	$ 20,000					$ 20,000
Total Estimated Cost			$ 5,017,576	$ 9,856,110	$ 7,991,676	$ 8,094,885	$ 5,368,315	$ 36,328,562

The following table demonstrates the estimated total Operation Cost for each project for each fiscal year in which each project is anticipated to occur.

List of Projects	Category	Budget	FY2026-27	FY2027-28	FY2028-29	FY2029-30	FY2030-31	Total
Sewer Mains CCTV Video Inspection and Cleaning Project	Sewer System	Operation				$ 1,051,052		$ 1,051,052
Sewer System Master Plan Update	Sewer System	Operation				$ 824,873		$ 824,873
FOG Program Management and Inspection Services with BMPs	Sewer System	Operation	$ 151,711	$ 152,350	$ 156,612	$ 161,003	$ 173,535	$ 795,211
Engineering On-call Services	Solid Waste & Sewer	Operation	$ 130,000	$ 130,000	$ 130,000	$ 130,000	$ 130,000	$ 650,000
Manhole Adjustments Project by the City of Westminster	Sewer System	Operation	$ 27,810	$ 28,644	$ 29,504	$ 30,389	$ 31,300	$ 147,647
Sewer System Management Plan Audit	Sewer System	Operation		$ 57,284			$ 62,596	$ 119,881
CNG Evaluation and Upgrade Project	Solid Waste & Sewer	Operation	$ 100,000					$ 100,000
Design & Construction Requirements for Sanitary Sewers Update Project	Sewer System	Operation	$ 60,000					$ 60,000
Local Hazard Mitigation Plan (LHMP) Update	Solid Waste & Sewer	Operation				$ 54,587		$ 54,587
Developing Floodplain Management Plan	Solid Waste & Sewer	Operation			$ 27,318			$ 27,318
Assess Using Non-potable Water Project for Sewer Vehicles and Wash Bay	Solid Waste & Sewer	Operation		$ 26,523				$ 26,523
Total Estimated Cost			$ 469,521	$ 394,801	$ 343,434	$ 2,251,904	$ 397,431	$ 3,857,091

Financial Impact

Expenditures Summary

The total estimated capital cost of the projects over the 5-Year Plan is $40.2 million. On average, annual expenditures are projected at approximately $8.0 million. However, Fiscal Year 2026-27 reflects a significantly lower expenditure of $5.5 million, with a substantial increase in spending anticipated in the subsequent fiscal years. This expenditure pattern reflects a strategic ramp-up in project implementation following the initial planning phase.

The largest upcoming projects are Gravity Main Upsizing Projects (approximately $15.9 million over the next 5 years), the Lift Station Improvements Projects (approximately $8.4 million over the next 5 years), Sewer Main Rehab Projects (approximately $5.5 million over the next 5 years), Manhole rehab Projects (approximately $2.0 million over the next 5 years), and Micro Grid Project (approximately $1.9 million over the next 5 years).

Revenue Summary

Capital projects expenditures are offset by revenues from a combination of sources including sewer and solid waste services charges and possibly grants. During Fiscal Year 2022-23, the Board adopted a five-year schedule of sewer and trash service charge increases to fund projected capital and operation costs associated with the solid waste enterprise. The Board will likely need to revisit sewer and trash service charges during Fiscal Year 2027-28. The District also continues to prospect grant funding opportunities and pursue legislative earmarks for upcoming projects.

Supplementary Information

The 5-Year Plan is presented immediately following this introduction. On the first three pages, projects are listed in the left-hand column, and grouped by Sewer Collection Projects, Combined Solid Waste and Sewer Collection Projects, Solid Waste Collection Projects, and Administration Projects. Next to the project name, there is an estimated total project cost. Across the top rows is the timeline, represented as plan year, calendar year, and fiscal year. In the field area is the schedule, broken out in 6-month increments by project phase (see legend at upper left). The estimated project cost for each fiscal year is shown just below the phases. These annual project cost totals roll down to fiscal year subtotals for each type of project, and also to fiscal year grand totals at the bottom of each page if there are any. On the fourth page, there is a column chart which graphically depicts those subtotals and grand totals by fiscal year and a pie chart which graphically depicts 5-year grand totals by type of project.

Following the 5-Year Plan are project summary sheets arranged based on the department categories. Each summary sheet provides further details about the project including its

scope description, justification for being in the CIP, estimated total project cost, and anticipated schedule.

1.030 = INFLATION FACTOR		CIP PLAN YEAR	1		2		3		4		5	
P = PRE-DESIGN D = DESIGN C = CONSTRUCTION		CALENDAR YEAR	2026	2027		2028		2029		2030		2031
S = STUDY PR = PROCUREMENT O = OPERATION		FISCAL YEAR	FY2026-27		FY2027-28		FY2028-29		FY2029-30		FY2030-31	
SEWER COLLECTION SYSTEM PROJECTS												
Sewer System	**Hanging Plan Holder Cabinets**											
	FY2026 Project			PR								
		$20,000										
	Project Total	$20,000										
Sewer System	**Sewer Mains CCTV Video Inspection and Cleaning Project**											
	CYCLE 1, PHASE 1 of 2								O	O		
		$1,051,052										
	Project Total	$1,051,052										
Sewer System	**Manhole Adjustments Project by the City of Westminster**											
	FY2026 Project		O	O								
		$27,810										
	FY2027 Project				O	O						
		$28,644										
	FY2028 Project						O	O				
		$29,504										
	FY2029 Project								O	O		
		$30,389										
	FY2030 Project										O	O
		$31,300										
	Project Total	$147,647										
Sewer System	**Manhole Project at Westminster Blvd and Springdale St (Construction)**											
	FY2026 Project		C									
		$1,081,576										
	Project Total	$1,081,576										
Sewer System	**Design & Construction Requirements for Sanitary Sewers Update Project**											
	FY2026 Project		S									
		$60,000										
	Project Total	$60,000										
Sewer System	**Sewer System Management Plan Audit**											
	FY2027 Project				O							
		$57,284										
	FY2030 Project										O	
		$62,596										
	Project Total	$119,881										
Sewer System	**Sewer System Master Plan Update**											
	FY2029 Project								S	S		
		$824,873										
	Project Total	$824,873										
Sewer System	**FOG Program Management and Inspection Services with BMPs**											
	FY2026 Project		O	O								
		$151,711										
	FY2027 Project				O	O						
		$152,350										
	FY2028 Project						O	O				
		$156,612										
	FY2029 Project								O	O		
		$161,003										
	FY2030 Project										O	O
		$173,535										
	Project Total	$795,211										
Sewer System	**Purchasing of 2 Pumps for Brookhurst Lift Station**											
	FY2026 Project		PR									
		$56,000										
	Project Total	$56,000										

1.030 = INFLATION FACTOR	CIP PLAN YEAR	1		2		3		4		5	
P = PRE-DESIGN D = DESIGN C = CONSTRUCTION	CALENDAR YEAR	2025	2026		2027		2028		2029		2030
S = STUDY PR = PROCUREMENT O = OPERATION	FISCAL YEAR	FY2025-26		FY2026-27		FY2027-28		FY2028-29		FY2029-30	

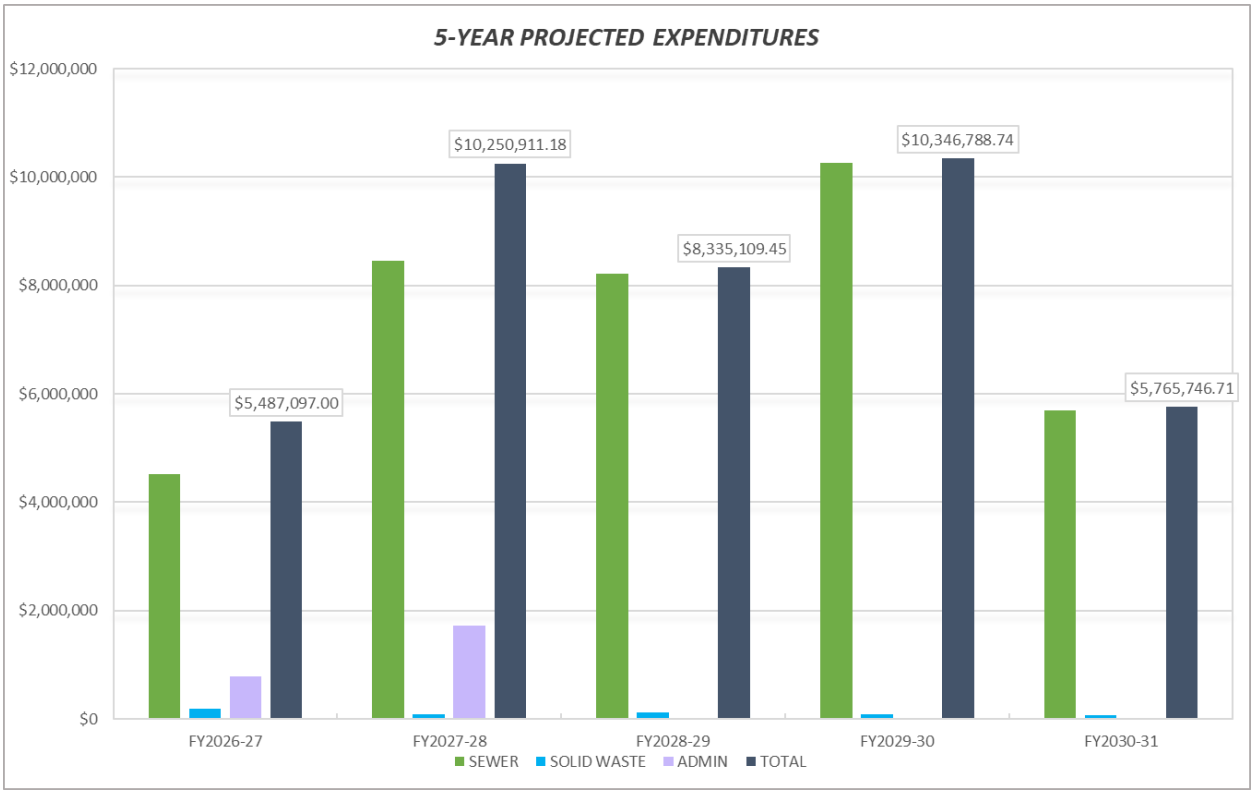
SEWER COLLECTION SYSTEM PROJECTS CONTINUE

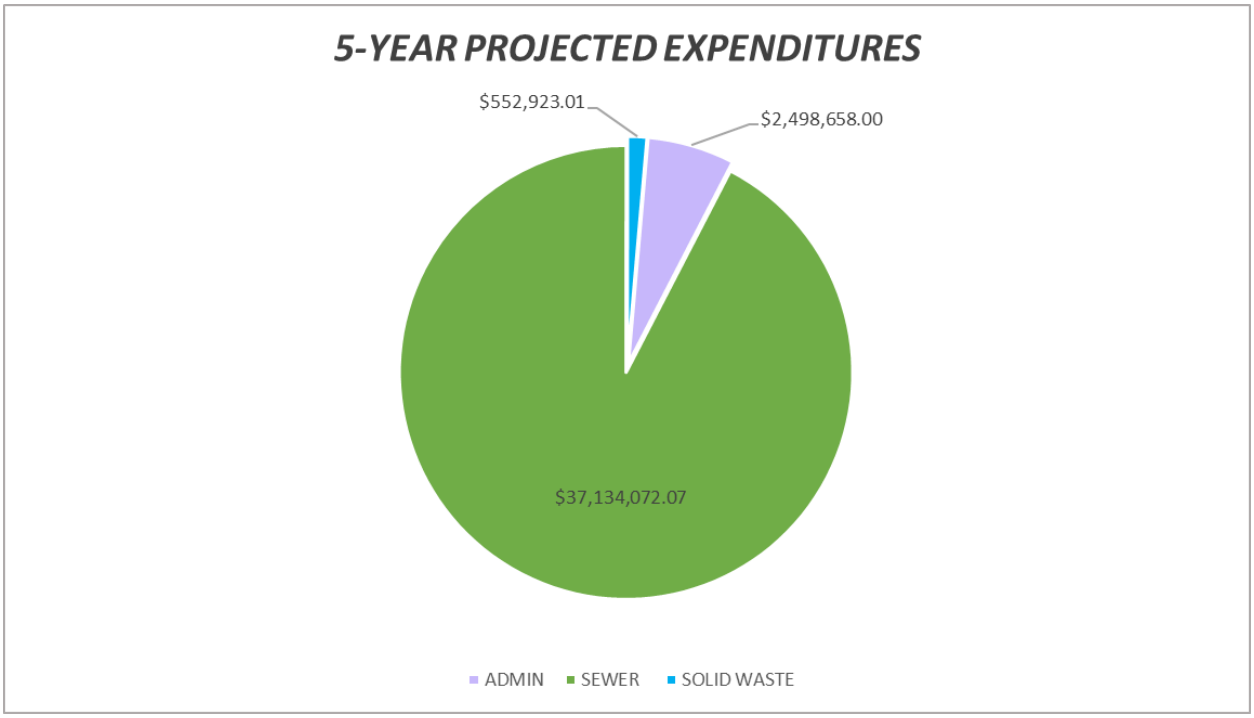
Sewer System	Lift Station Improvements Project												
	Lift Station Improvements - PHASE 1 of 4		S	P									
		$100,000											
	Lift Station Improvements (Brookhurst Lift Station) - PHASE 2 of 4				D	C							
		$2,674,883											
	Lift Station Improvements - PHASE 3 of 4						D	C					
		$2,755,129											
	Lift Station Improvements - PHASE 4 of 4								D	C			
		$2,837,783											
	Project Total	$8,367,794											
Sewer System	Sewer Main Rehab Project												
	PHASE 2 of 6		D	C									
		$1,500,000											
	PHASE 3 of 6				D	C							
		$1,000,000											
	PHASE 4 of 6						D	C					
		$1,000,000											
	PHASE 5 of 6								D	C			
		$1,000,000											
	PHASE 6 of 6										D	C	
		$1,000,000											
	Project Total	$5,500,000											
Sewer System	Gravity Main Upsizing Project												
	PHASE 1 of 10		S	P									
		$1,250,000											
	PHASE 2 of 10				D	C							
		$3,494,299											
	PHASE 3 of 10						D	C					
		$3,599,128											
	PHASE 4 of 10								D	C			
		$3,707,102											
	PHASE 5 of 10										D	C	
		$3,818,315											
	Project Total	$15,868,846											
Sewer System	Manhole Frame and Cover Replacement Project												
	FY2026 Project	$50,000		D & C									
	FY2027 Project	$50,000				D & C							
	FY2028 Project	$50,000						D & C					
	FY2029 Project	$50,000								D & C			
	FY2030 Project	$50,000										D & C	
	Project Total	$250,000											
Sewer System	Manhole Rehab Project												
	PHASE 1 of 4				D	C							
		$500,000											
	PHASE 2 of 4						D	C					
		$500,000											
	PHASE 3 of 4								D	C			
		$500,000											
	PHASE 4 of 4										D	C	
		$500,000											
	Project Total	$2,000,000											
Sewer System	SCADA System Upgrades Project												
	HARDWARE/SOFTWARE UPGRADE - PHASE 2 of 2				D	C							
		$318,270											
	Project Total	$318,270											
Sewer System	Depth and Flow Monitoring Devices												
	PHASE 2 of 3		PR										
		$100,000											
	PHASE 3 of 3				PR								
		$100,000											
	Project Total	$200,000											
	Total	**$36,661,149**											

1.030 = INFLATION FACTOR		CIP PLAN YEAR	1		2		3		4		5	
P = PRE-DESIGN D = DESIGN C = CONSTRUCTION		CALENDAR YEAR	2026	2027		2028		2029		2030		2031
S = STUDY PR = PROCUREMENT O = OPERATION		FISCAL YEAR	FY2026-27		FY2027-28		FY2028-29		FY2029-30		FY2030-31	
SOLID WASTE COLLECTION SYSTEM AND SEWER COLLECTION SYSTEM PROJECTS												
Solid Waste & Sewer System	Assess using non-potable water project for sewer vehicles and wash bay											
	FY2027 Project					S						
		$26,523										
	Project Total	$26,523										
Solid Waste & Sewer System	Seismic assessments and retrofit of all buildings and facilities Project											
	FY2028 Project						D	C				
		$87,418										
	Project Total	$87,418										
Solid Waste & Sewer System	CNG Evaluation and Upgrade Project											
	FY2026 Project		D	C								
		$100,000										
	Project Total	$100,000										
Solid Waste & Sewer System	Developing Floodplain Management Plan											
	FY2028 Project						S					
		$27,318										
	Project Total	$27,318										
Solid Waste & Sewer System	Local Hazard Mitigation Plan (LHMP) Update											
	FY2029 Project								S			
		$54,587										
	Project Total	$54,587										
Sewer System	Engineering On-call Services											
	FY2026 Project		S & O	S & O								
		$130,000										
	FY2027 Project				S & O	S & O						
		$130,000										
	FY2028 Project						S & O	S & O				
		$130,000										
	FY2029 Project								S & O	S & O		
		$130,000										
	FY2030 Project										S & O	S & O
		$130,000										
	Project Total	$650,000										
	Total	**$945,846**										

1.030 = INFLATION FACTOR		CIP PLAN YEAR	1		2		3		4		5	
P = PRE-DESIGN D = DESIGN C = CONSTRUCTION		CALENDAR YEAR	2026	2027		2028		2029		2030		2031
S = STUDY PR = PROCUREMENT O = OPERATION		FISCAL YEAR	FY2026-27		FY2027-28		FY2028-29		FY2029-30		FY2030-31	
SOLID WASTE COLLECTION SYSTEM PROJECTS												
Solid Waste & Admin	Fire Suppression System for Solid Waste Trucks											
	FY2026 Project		O									
		$80,000										
	Project Total	$80,000										
	Total	**$80,000**										

1.030 = INFLATION FACTOR		CIP PLAN YEAR	1		2		3		4		5	
P = PRE-DESIGN D = DESIGN C = CONSTRUCTION		CALENDAR YEAR	2026	2027		2028		2029		2030		2031
S = STUDY PR = PROCUREMENT O = OPERATION		FISCAL YEAR	FY2026-27		FY2027-28		FY2028-29		FY2029-30		FY2030-31	
ADMINISTRATION PROJECTS												
Administration	Building Project and Rehabilitation											
	FY2026 Project		D & C									
		$300,000										
	Project Total	$300,000										
Administration	Purchasing of 1 Vehicle											
	FY2026 Project		PR									
		$50,000										
	Project Total	$50,000										
Administration	District Marquee Sign Board Project											
	FY2026 Project			D & C								
		$250,000										
	Project Total	$250,000										
Administration	Micro Grid Project											
	Phase 1 of 2			P								
		$180,000										
	Phase 2 of 2				D	C						
		$1,718,658										
	Project Total	$1,898,658										
	Total	**$2,498,658**										


5-YEAR PROJECTED EXPENDITURES
$12,000,000
$10,000,000
$8,000,000
$6,000,000
$4,000,000
$2,000,000
$0
$5,487,097.00
$10,250,911.18
$8,335,109.45
$10,346,788.74
$5,765,746.71
FY2026-27
FY2027-28
FY2028-29
FY2029-30
FY2030-31
SEWER
SOLID WASTE
ADMIN
TOTAL


5-YEAR PROJECTED EXPENDITURES
$552,923.01
$2,498,658.00
$37,134,072.07
ADMIN
SEWER
SOLID WASTE

The following table is informational only and represents many of the projects that the District will perform from Fiscal Year 2030-31 to 2034-35. This table is subject to change.

No.	List of Projects	Category	Sub-Category	Budget	City	Estimated Cost	Fiscal Year
61	Manhole Rehab Project, Phase 1 of 5	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2031
62	Sewer Main Rehab Project, Phase 1 of 5	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2031
63	Gravity Main Upsizing Project, Phase 6 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 3,932,865	2031
64	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 32,239	2031
65	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 178,741	2031
66	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2031
67	Manhole Rehab Project, Phase 2 of 5	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2032
68	Sewer Main Rehab Project, Phase 2 of 5	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2032
69	Gravity Main Upsizing Project, Phase 7 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 4,050,851	2032
70	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 33,207	2032
71	1 Trash Truck	Solid Waste	Fleet	Capital	N/A	$ 983,899	2032
72	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 184,103	2032
73	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2032
74	9 Trash Trucks	Solid Waste	Fleet	Capital	N/A	$ 9,120,745	2033
75	Manhole Rehab Project, Phase 3 of 5	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2033
76	Sewer Main Rehab Project, Phase 3 of 5	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2033
77	Gravity Main Upsizing Project, Phase 8 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 4,172,376	2033
78	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 34,203	2033
79	Sewer System Management Plan Audit	Sewer System	Design/Study	Operation	N/A	$ 68,401	2033
80	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 189,626	2033
81	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2033
82	Sewer Mains CCTV Video Inspection and Cleaning Project, Phase 2 of 2	Sewer System	CCTV	Operation	MC & WM	$ 1,218,457	2034
83	1 Service Truck	Solid Waste	Fleet	Capital	N/A	$ 260,955	2034
84	Manhole Rehab Project, Phase 4 of 5	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2034
85	Sewer Main Rehab Project, Phase 4 of 5	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2034
86	Gravity Main Upsizing Project, Phase 9 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 4,297,548	2034
87	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2034
88	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 35,229	2034
89	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 195,315	2034
90	Sewer System Master Plan Update	Sewer System	Design/Study	Operation	N/A	$ 956,254	2034
91	Sewer Main Rehab Project, Phase 5 of 5	Sewer System	Line Rehab	Capital	MC & WM	$ 1,000,000	2035
92	Manhole Frame and Cover Replacement Project	Sewer System	MH Frame & Cover	Capital	MC & WM	$ 50,000	2035
93	Manhole Rehab Project, Phase 5 of 5	Sewer System	MH Rehab	Capital	MC & WM	$ 500,000	2035
94	Manhole Adjustments Project by the City of Westminster	Sewer System	City MH Adjustment	Operation	WM	$ 36,286	2035
95	Gravity Main Upsizing Project, Phase 10 of 10	Sewer System	Line Upsizing	Capital	MC & WM	$ 4,426,474	2035
96	FOG Program Management and Inspection Services with BMPs	Sewer System	FOG	Operation	MC & WM	$ 201,174	2035
	Total Estimated Cost					$ 42,358,946	

MIDWAY CITY SANITARY DISTRICT

Serving the Community of Westminster and Midway City since 1939

Midway City Sanitary District

5-Year Capital and Operation Plan

Fiscal year 2026-27 through 2030-31

Sewer Collection System Projects

Sewer Collection System Project

Project Name: Hanging Plan Holder Cabinets

Description: The Hanging Plan Holder Cabinets project involves replacing outdated and damaged plan storage units with two new wall-mounted hanging cabinets designed to store sewer and construction drawings. Many components of the existing system are broken, preventing proper use and limiting the ability to rehang plans. The new units will provide durable, functional storage that allows plans to be securely hung, organized, and easily accessed, supporting ongoing efforts to maintain orderly and efficient document management.

Justification: This project is necessary because the current plan holder system is significantly outdated and no longer repairable, as replacement parts are unavailable. While staff have made progress organizing the plans, broken components have prevented full use of the system and proper rehanging of documents. Purchasing two new units will restore full functionality, protect important sewer and construction plans from damage, and improve accessibility and workflow efficiency. This upgrade ensures reliable storage for critical infrastructure records and supports continued operational effectiveness.

Estimated Total Project Cost: $20,000

- FY2026-27: $20,000

Anticipated Schedule:

- FY2026-27: procurement

Sewer Collection System Project

Project Name: Sewer Mains CCTV Video Inspection and Cleaning Project

Description: The District is required by the State Water Resources Control Board to develop and implement a Sewer System Management Plan (SSMP) that includes a plan to identify, prioritize, and correct collection system deficiencies. This program must include regular television inspection of sewer pipes and a system for ranking their condition. The District's current SSMP commits to implement a comprehensive condition assessment program to clean and televise each and every pipeline in its collection system. Television inspection will record pipeline condition data pursuant to the National Association of Sewer Service Companies (NASSCO) standard rating systems, which data will ultimately be evaluated and prioritized defective pipelines and scope out future collection system capital projects. It is anticipated that the program's first cycle through the District's entire collection system will occur in three phases over about ten years. The program will include manhole condition assessment inspections as well, also conducted pursuant to NASSCO standard rating systems.

Justification: Collection system condition assessment should be conducted continually to maintain an ongoing understanding of the state of the District's aging infrastructure, and to become a reference point for capital planning, project prioritizing, annual budgeting, and rate setting. The findings and recommendations of this program will form the basis of the Collection System Improvements project phases that follow in the CIP.

Estimated Total Project Cost: $1,051,052

- FY2029-30: $1,051,052

Anticipated Schedule:

- FY2029-30: Operation Cycle 1, Phase 1 of 2.

Sewer Collection System Project

Project Name: Manhole Adjustments Project by the City of Westminster

Description: The City of Westminster conducts an annual street rehabilitation project as part of its Capital Improvement Program, which includes paving and roadway repairs. During these operations, the City's contractor is responsible for adjusting utility manholes to match the new street grade. As part of this process, the District's manholes will also be adjusted accordingly. The total number of manholes requiring adjustment will vary each year, depending on the specific location and scope of the City's project.

Justification: This project is necessary and must be performed by the City's Contractor to ensure that the District's manholes are properly adjusted to the new street grade following the City of Westminster's paving and street rehabilitation work. Proper adjustment is essential to maintain safe and accessible road conditions, protect infrastructure integrity, and ensure uninterrupted access for maintenance and emergency services. Coordinating with the City's annual Capital Improvement Program also allows for cost-effective implementation and minimizes future disruptions to newly-paved streets.

Estimated Total Project Cost: $147,647

- FY2026-27: $27,810
- FY2027-28: $28,644
- FY2028-29: $29,504
- FY2029-30: $30,389
- FY2030-31: $31,300

Anticipated Schedule:

- FY2026-27: Operation by the City of Westminster
- FY2027-28: Operation by the City of Westminster
- FY2028-29: Operation by the City of Westminster
- FY2029-30: Operation by the City of Westminster
- FY2030-31: Operation by the City of Westminster

Sewer Collection System Project

Project Name: Manhole Project at Westminster Boulevard and Springdale Street

Description: This project involves the remediation of a blocked inverted siphon located near the intersection of Springdale Street and Westminster Boulevard. The siphon was originally built during the 1970 construction of the Orange County Sanitation District's 60-inch Westminster Avenue Interceptor Sewer but lacks critical design features such as upstream and downstream manholes, appropriate slope transitions, and an air jumper. The project scope includes installing new manholes to enable proper access, removing the existing blockage caused by broken pipe and lodged cleaning equipment, and evaluating for a permanent, industry standard solution potentially a new, properly engineered siphon or an alternative conveyance system.

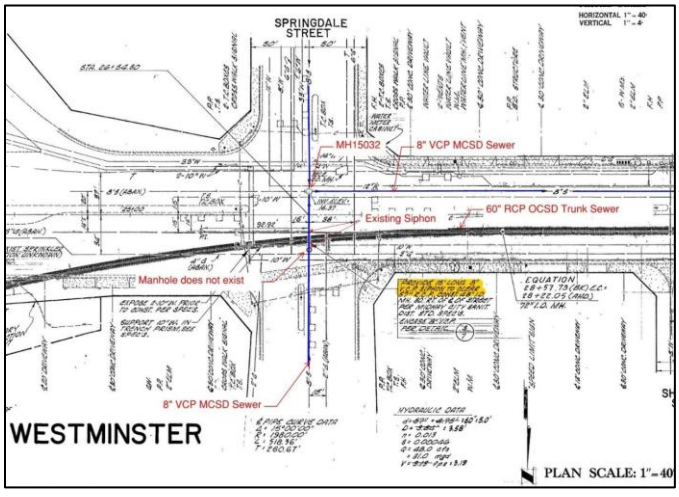
Justification: The existing inverted siphon has proven to be nonfunctional and noncompliant with engineering standards, resulting in repeated maintenance difficulties, equipment loss, and significant sewer backups extending over 1,700 feet upstream. These conditions pose ongoing operational risks, environmental hazards, and service disruptions. Immediate intervention is required to restore normal sewer flow, while a long-term, code-compliant solution is essential to ensure reliability, maintainability, and regulatory compliance of the system. The project is therefore critical to preserving public health and infrastructure integrity in the affected service area.

Estimated Total Project Cost: $1,081,576

- FY2026-27: $1,081,576

Anticipated Schedule:

- FY2026-27: Construction



Sewer Collection System Project

Project Name: Design and Construction Requirements for Sanitary Sewers Update Project

Description: This project involves the review, evaluation, and update of Midway City Sanitary District's existing design criteria and construction standards for sewer system infrastructure in accordance with Order 2022-0103-DWQ. The effort will focus on ensuring that the District's specifications and details - 2010 Design and Construction Requirements for Sanitary Sewers - are current, comprehensive, and aligned with state regulatory requirements. The project scope will include revisions to support the construction, installation, repair, and rehabilitation of pipelines, manholes, pump stations, and related appurtenances.

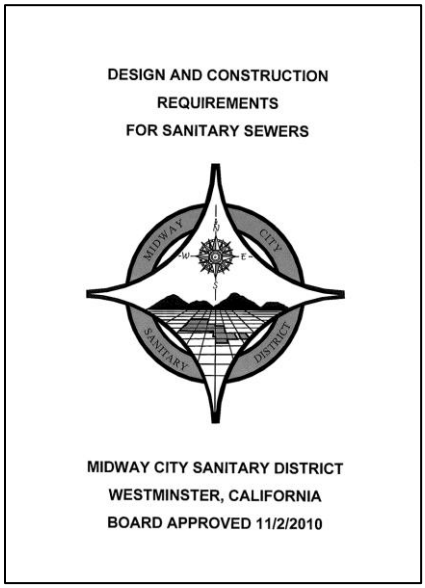
Justification: Compliance with Order 2022-0103-DWQ necessitates that the District maintain up-to-date and technically sound infrastructure standards to ensure system reliability and regulatory adherence. Existing criteria must be evaluated to determine if those adequately address component-specific hydraulic capacity requirements as outlined in Section 8 of the Order. Updating these standards will not only ensure conformance with state mandates but also enhance the integrity, performance, and sustainability of the District's sanitary sewer system infrastructure.

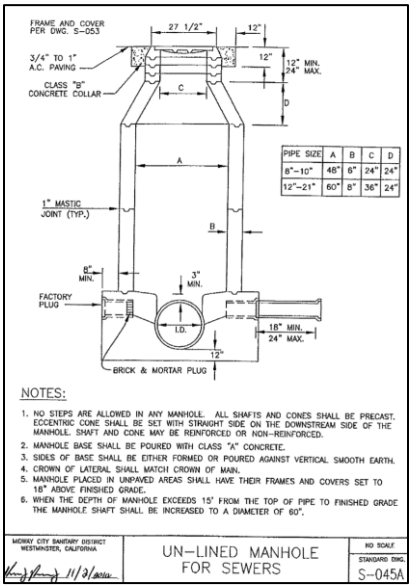
Estimated Total Project Cost: $60,000

- FY2026-27: $60,000

Anticipated Schedule:

- FY2026-27: Design





Sewer Collection System Project

Project Name: Sewer System Management Plan Audit

Description: The Sewer System Management Plan (SSMP) Audit project involves a thorough evaluation of the District's SSMP in accordance with the State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Order No. 2022-0103-DWQ. This audit will verify the accuracy, implementation, and effectiveness of each SSMP element, ensure continued compliance with current regulatory standards, and identify opportunities for operational improvement in areas such as maintenance, monitoring, and spill prevention. The Audit is required by the SWRCB every 3 years.

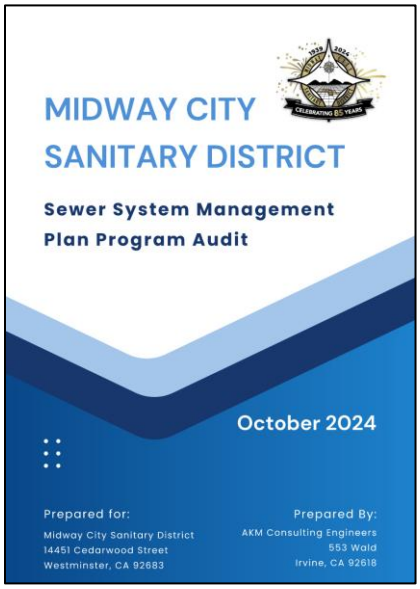
Justification: Outsourcing the SSMP Audit to a qualified external agency ensures an objective and technically rigorous assessment that goes beyond internal review capabilities. External auditors bring specialized knowledge of the latest regulatory requirements, industry best practices, and audit methodologies. Their impartial perspective enhances the integrity of the findings and supports the District in proactively addressing any deficiencies, thereby strengthening regulatory compliance and public accountability.

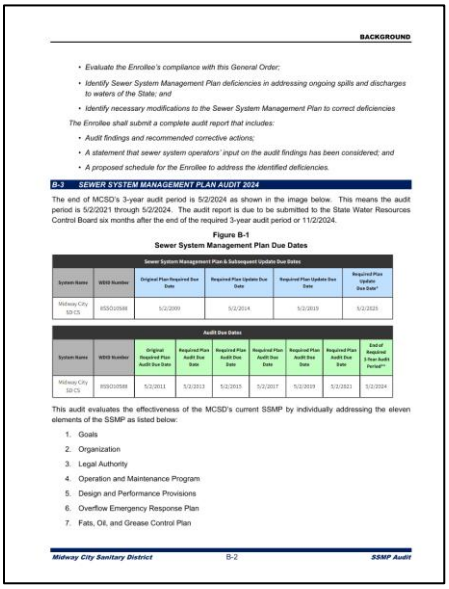
Estimated Total Project Cost: $119,881

- FY2027-28: $57,284
- FY2030-31: $62,596

Anticipated Schedule:

- FY2027-28: Audit-Operation
- FY2030-31: Audit-Operation





BACKGROUND

- *Evaluate the Enrollee's compliance with this General Order;*
- *Identify Sewer System Management Plan deficiencies in addressing ongoing spills and discharges to waters of the State; and*
- *Identify necessary modifications to the Sewer System Management Plan to correct deficiencies*

The Enrollee shall submit a complete audit report that includes:

- *Audit findings and recommended corrective actions;*
- *A statement that sewer system operators' input on the audit findings has been considered; and*
- *A proposed schedule for the Enrollee to address the identified deficiencies.*

B-3 SEWER SYSTEM MANAGEMENT PLAN AUDIT 2024

The end of MCSD's 3-year audit period is 5/2/2024 as shown in the image below. This means the audit period is 5/2/2021 through 5/2/2024. The audit report is due to be submitted to the State Water Resources Control Board six months after the end of the required 3-year audit period or 11/2/2024.

Figure B-1
Sewer System Management Plan Due Dates

Sewer System Management Plan & Subsequent Update Due Dates					
System Name	WDID Number	Original Plan Required Due Date	Required Plan Update Due Date	Required Plan Update Due Date	Required Plan Update Due Date*
Midway City SD CS	8SSO10588	5/2/2009	5/2/2014	5/2/2019	5/2/2025

Audit Due Dates									
System Name	WDID Number	Original Required Plan Audit Due Date	Required Plan Audit Due Date	Required Plan Audit Due Date	Required Plan Audit Due Date	Required Plan Audit Due Date	Required Plan Audit Due Date	Required Plan Audit Due Date	End of Required 3 Year Audit Period**
Midway City SD CS	8SSO10588	5/2/2011	5/2/2013	5/2/2015	5/2/2017	5/2/2019	5/2/2021	5/2/2024	

This audit evaluates the effectiveness of the MCSD's current SSMP by individually addressing the eleven elements of the SSMP as listed below:

1. Goals
2. Organization
3. Legal Authority
4. Operation and Maintenance Program
5. Design and Performance Provisions
6. Overflow Emergency Response Plan
7. Fats, Oil, and Grease Control Plan

Midway City Sanitary District B-2 *SSMP Audit*

Sewer Collection System Project

Project Name: Sewer System Master Plan Update

Description: A Sewer System Master Plan is a comprehensive planning document that evaluates the condition, capacity, and future needs of a wastewater collection system. The Master Plan evaluates the District's existing wastewater collection system, identifies current and future capacity needs, and outlines recommended capital improvement projects. The Sewer System Master Plan document will include key findings, project prioritization, and next steps for finalizing the plan.

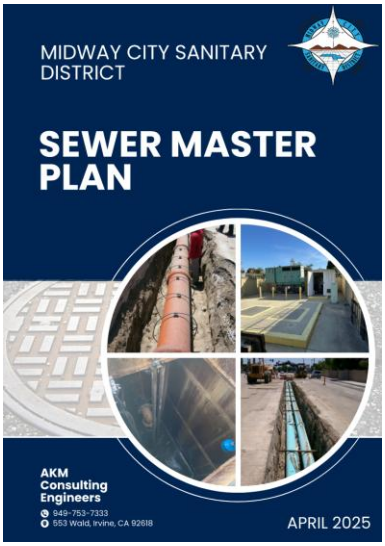
Justification: A Sewer System Master Plan is essential for the effective management of a wastewater collection system, as it enables the District to proactively assess current infrastructure conditions, identify capacity limitations, and plan for future service demands driven by population growth and regulatory changes. It enhances operational decision-making, transparency, and accountability by providing clear documentation of findings, methodologies, and next steps. Additionally, the Plan strengthens emergency preparedness and long-term system resilience, ensuring reliable service and regulatory compliance for years to come.

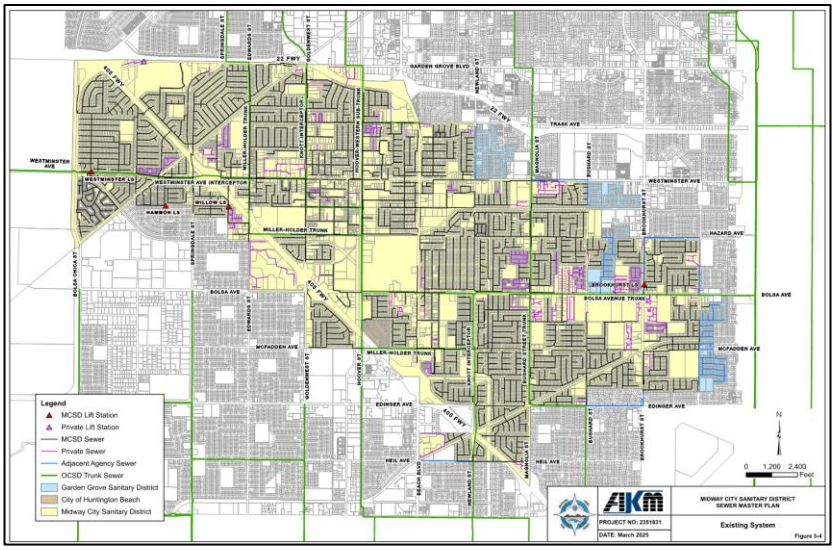
Estimated Total Project Cost: $824,873

- FY2029-30: $824,873

Anticipated Schedule:

- FY2029-30: Study.





Sewer Collection System Project

Project Name: FOG Program Management and Inspection Services with BMPs

Description: The Midway City Sanitary District is initiating a comprehensive FOG Program Management and Inspection Services project to enhance compliance with its Fats, Oils, and Grease (FOG) Control Program as mandated under Ordinance No. 63. This project involves contracting with a qualified firm to manage and implement inspection and outreach activities targeting approximately 470 Food Service Establishments (FSEs) within the District's jurisdiction. Core tasks will include verifying FSE compliance with FOG regulations, ensuring proper installation and maintenance of grease control devices, educating business owners on best management practices (BMPs), and reducing harmful FOG discharges into the sanitary sewer system. The contractor will provide routine inspections, data tracking, reporting, and educational support to promote sustainable practices and protect the District's wastewater infrastructure.

Justification: This project is essential to address critical compliance gaps identified in the 2024 Independent Audit of the District's Sewer System Management Plan (SSMP), which highlighted the absence of a fully developed and implemented FOG program. FOG discharges from FSEs are a primary contributor to sewer blockages and sanitary sewer overflows (SSOs), posing a significant threat to public health and the environment. By fully activating its FOG Control Program through professional management and inspection services, the District will strengthen enforcement of Ordinance No. 63, align with the State Water Resources Control Board's Waste Discharge Requirements (WDRs), and significantly reduce the risk of SSOs. This proactive approach will enhance infrastructure reliability, regulatory compliance, and long-term sustainability of the District's sewer systems.

Estimated Total Project Cost:
$795,211

- FY2026-27: $151,711
- FY2027-28: $152,350
- FY2028-29: $156,612
- FY2029-30: $161,003
- FY2030-31: $173,535

Anticipated Schedule:
(Biannual inspections)

- FY2026-27: Operation
- FY2027-28: Operation
- FY2028-29: Operation
- FY2029-30: Operation
- FY2030-31: Operation

Sewer Collection System Project

Project Name: Purchasing of 2 Pumps for Brookhurst Lift Station

Description: This project consists of the procurement of two additional pumps, similar to the existing units, for the Brookhurst Lift Station. The purpose is to provide backup capacity to support increased wastewater flows resulting from recent residential and commercial development. These additional pumps will enhance operational reliability by ensuring redundancy, allowing the station to maintain continuous service to the east side of the District in the event of equipment failure or emergency conditions.

Justification: Recent growth from new residential communities and retail developments discharging into the Brookhurst Lift Station has significantly increased flow demands. As a result, the existing pumps are operating more frequently, for longer durations, and under greater strain than originally designed. The Brookhurst Lift Station is a critical component of the sewer system serving the east side of the District and is currently undersized for these increased demands. To maintain reliable operations and minimize the risk of system failure, it is essential to provide additional pumps so that any emergency can be addressed immediately without service interruption.

Estimated Total Project Cost: $56,000

- FY2026-27: $56,000

Anticipated Schedule:

- FY2026-27: Procurement

Sewer Collection System Project

Project Name: Lift Station Improvements Project

Description: The Lift Station Rehabilitation Project focuses on improving the operational efficiency and safety of the District's lift stations. Key components of the project include replacing aging pumps with higher-capacity units (only Brookhurst Lift Station) to meet wet weather flow demands, upgrading discharge piping with ceramic epoxy-lined ductile iron pipe, and modifying access hatches to comply with OSHA standards. Additional improvements involve installing new valves, flow meters, and fittings to enhance system reliability and operational control.

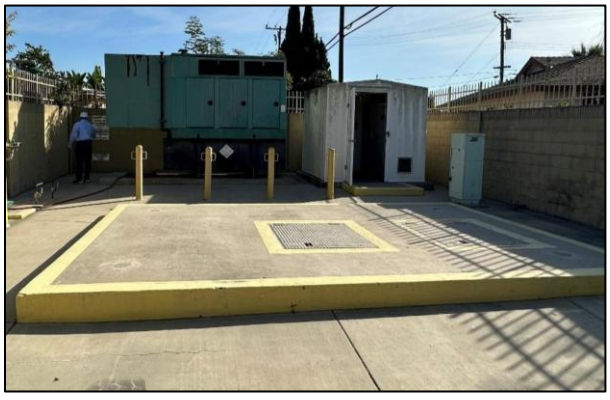
Justification: These lift stations currently operate with aging infrastructure that lacks redundancy, safety protections, and reliable flow capacity during high-demand events. Rehabilitation is essential to enhance operational reliability, reduce maintenance risks, and ensure compliance with modern safety and construction standards. By modernizing these facilities, the District will secure long-term service continuity, reduce potential liabilities, and better protect public health and the environment.

Estimated Total Project Cost: $8,367,794

- FY2026-27: $100,000
- FY2027-28: $2,674,883
- FY2028-29: $2,755,129
- FY2029-30: $2,837,783

Anticipated Schedule:

- FY2026-27: Study
- FY2027-28: Brookhurst Lift Station - Design and Construction Phase 1 of 3
- FY2028-29: Design and Construction Phase 2 of 3
- FY2029-30: Design and Construction Phase 3 of 3



Sewer Collection System Project

Project Name: Sewer Main Rehab Project

Description: The District is initiating a Sewer Main Rehabilitation Project aimed at restoring aging and deteriorated segments of the sewer system. The project will prioritize sewer mains rated as NASSCO Grade 5, which indicate the most severe structural or maintenance defects. Using trenchless technologies such as cured-in-place pipe (CIPP) lining or point repairs where feasible, the project will restore approximately 8700 linear feet of main lines annually. Once all Grade 5 segments are addressed, the District will shift focus to Grade 4 pipelines.

Justification: Sewer mains rated as NASSCO Grade 5 are at highest risk of failure, which can result in sanitary sewer overflows (SSOs), costly emergency repairs, and regulatory non-compliance. Proactively rehabilitating these critical assets ensures system reliability, protects public health and the environment, and extends the service life of the infrastructure. Addressing the most deteriorated segments first is a cost-effective, risk-based approach that supports the District's long-term asset management and regulatory goals.

Estimated Total Project Cost: $5,500,000

- FY2026-27: $1,500,000
- FY2027-28: $1,000,000
- FY2028-29: $1,000,000
- FY2029-30: $1,000,000
- FY2030-31: $1,000,000

Anticipated Schedule:

- FY2026-27: Design and Construction Phase 2 of 6
- FY2027-28: Design and Construction Phase 3 of 6
- FY2028-29: Design and Construction Phase 4 of 6
- FY2029-30: Design and Construction Phase 5 of 6
- FY2030-31: Design and Construction Phase 6 of 6

Sewer Collection System Project

Project Name: Gravity Main Upsizing Project

Description: The proposed sewer capacity improvement project is a multi-phase initiative aimed at upgrading approximately 24,260 feet of capacity-deficient sewer mains, which constitute 2.8% of the existing system. The project involves the removal and replacement of undersized gravity pipes identified through hydraulic modeling and field inspections, as well as the upsizing of adjacent non-deficient segments to ensure consistent flow capacity. Additional improvements include targeted enhancements and accommodations for future flow increases in key growth areas. These improvements are prioritized in alignment with the Sewer System Master Plan and are detailed in Tables 9-1, with mapped locations provided in Section 9 of the Sewer System Master Plan, dated April 2025. About 2,700 linear feet of pipe will be upsized during each phase.

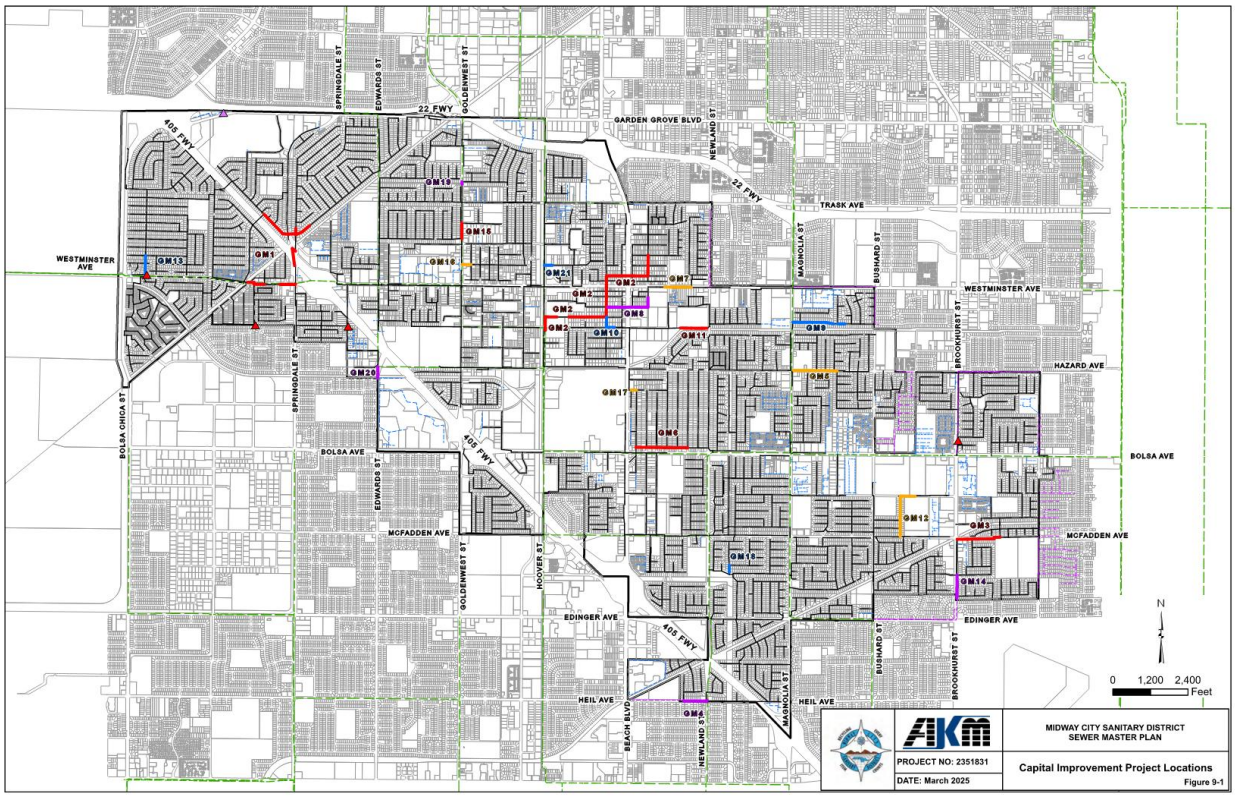
Justification: The improvements are necessary to eliminate hydraulic deficiencies that pose a risk of sewer overflows and system failures during peak weather conditions. Addressing these issues now ensures regulatory compliance, protects public health, and prevents costly emergency repairs. The inclusion of connector pipes and future growth considerations supports a comprehensive and forward-looking infrastructure strategy. By prioritizing projects based on need and coordinating with long-term planning efforts, the District can implement cost-effective, sustainable upgrades that enhance system reliability and service delivery.

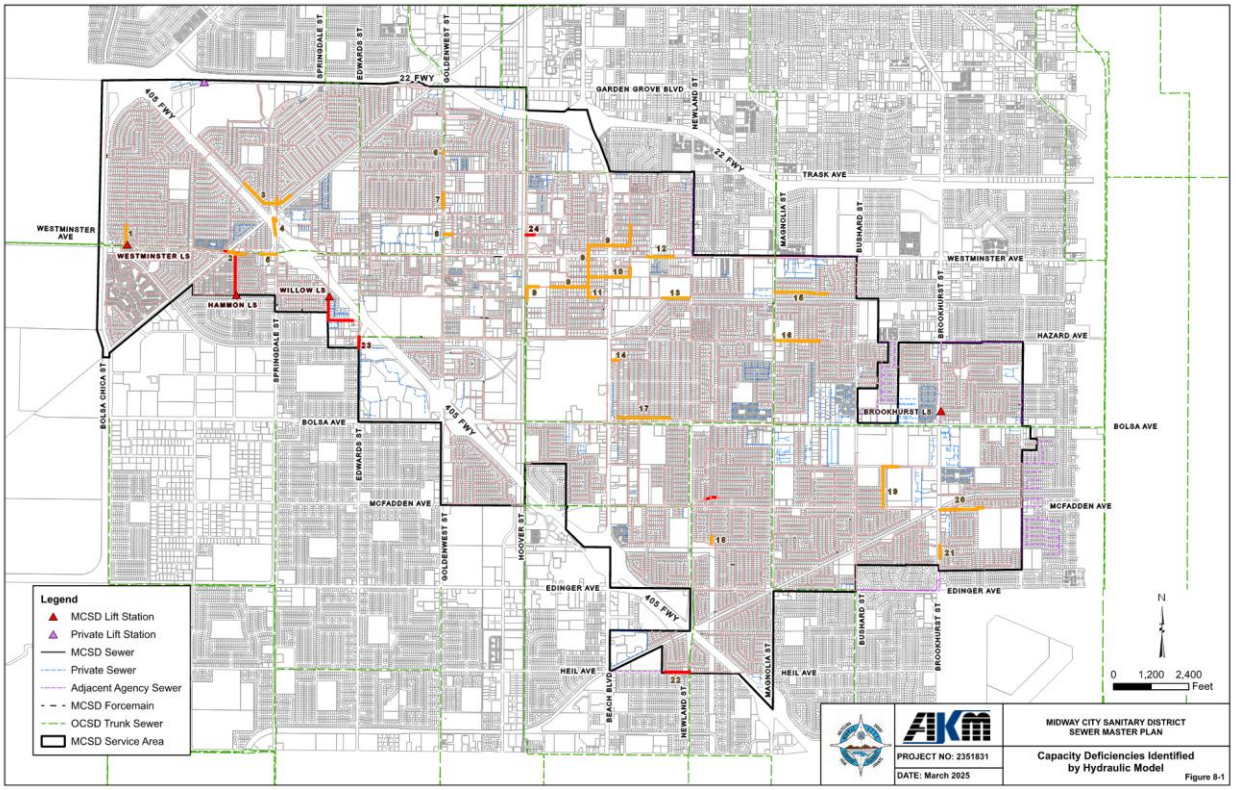
Estimated Total Project Cost: $15,868,846

- FY2026-27: $1,250,000
- FY2027-28: $3,494,299
- FY2028-29: $3,599,128
- FY2029-30: $3,707,102
- FY2025-26: $3,818,315

Anticipated Schedule:

- FY2026-27: Study, Phase 1 of 10
- FY2027-28: Design and Construction, Phase 2 of 10
- FY2028-29: Design and Construction, Phase 3 of 10
- FY2029-30: Design and Construction, Phase 4 of 10
- FY2030-31: Design and Construction, Phase 5 of 10


SPRINGDALE ST
EDWARDS ST
GOLDENWEST ST
22 FWY
GARDEN GROVE BLVD
NEWLAND ST
405 FWY
TRASK AVE
MAGNOLIA ST
BUSHARD ST
WESTMINSTER AVE
BROOKHURST ST
HAZARD AVE
BOLSA CHICA ST
BOLSA AVE
MCFADDEN AVE
HOOVER ST
EDINGER AVE
HEIL AVE
BEACH BLVD
GM1
GM2
GM3
GM4
GM5
GM6
GM7
GM8
GM9
GM10
GM11
GM12
GM13
GM14
GM15
GM16
GM17
GM18
GM19
GM20
GM21
N
0 1,200 2,400
Feet
AKM
PROJECT NO: 2351831
DATE: March 2025
MIDWAY CITY SANITARY DISTRICT
SEWER MASTER PLAN
Capital Improvement Project Locations
Figure 9-1


SPRINGDALE ST
EDWARDS ST
GOLDENWEST ST
22 FWY
GARDEN GROVE BLVD
NEWLAND ST
405 FWY
TRASK AVE
MAGNOLIA ST
BUSHARD ST
WESTMINSTER AVE
BROOKHURST ST
HAZARD AVE
BOLSA CHICA ST
BOLSA AVE
MCFADDEN AVE
HOOVER ST
EDINGER AVE
HEIL AVE
BEACH BLVD
WESTMINSTER LS
WILLOW LS
HAMMON LS
BROOKHURST LS
Legend
MCSD Lift Station
Private Lift Station
MCSD Sewer
Private Sewer
Adjacent Agency Sewer
MCSD Forcemain
OCSD Trunk Sewer
MCSD Service Area
N
0 1,200 2,400
Feet
AKM
PROJECT NO: 2351831
DATE: March 2025
MIDWAY CITY SANITARY DISTRICT
SEWER MASTER PLAN
Capacity Deficiencies Identified by Hydraulic Model
Figure 8-1

Sewer Collection System Project

Project Name: Manhole Frame and Cover Replacement Project

Description: The Manhole Frame and Cover Replacement Project involves the systematic replacement of deteriorated, damaged, or non-standard manhole frames and covers throughout the Midway City Sanitary District. The scope includes field assessment of existing structures, removal of defective components, and installation of new, standardized heavy-duty frames and covers designed to improve durability, load resistance, and worker safety. Where needed, adjustments to surrounding pavement and manhole chimneys will also be performed to ensure proper alignment and sealing. This project enhances the structural integrity of the sewer access points and supports long-term operational reliability.

Justification: Replacing aging or damaged manhole frames and covers is essential to prevent safety hazards, reduce infiltration of stormwater, and ensure consistent access for maintenance crews. This project mitigates potential liabilities, extends the service life of the sewer system, and aligns with the District's infrastructure management goals.

Estimated Total Project Cost: $250,000

- FY2026-27: $50,000
- FY2027-28: $50,000
- FY2028-29: $50,000
- FY2029-30: $50,000
- FY2030-31: $50,000

Anticipated Schedule:

- FY2026-27: Design and Construction
- FY2027-28: Design and Construction
- FY2028-29: Design and Construction
- FY2029-30: Design and Construction
- FY2030-31: Design and Construction

Sewer Collection System Project

Project Name: Manhole Rehab Project

Description: The District is planning a multi-year Sewer Manhole Rehabilitation Project, addressing approximately 35 manholes per year. The project will initially focus on manholes classified as NASSCO Grade 5, which represent the most critical structural or operational defects. Once all Grade 5 manholes have been rehabilitated, the District will proceed to address NASSCO Grade 4 manholes. Rehabilitation methods may include lining, structural repairs, and frame and cover replacements to ensure long-term reliability and performance.

Justification: Manholes with NASSCO Grade 5 ratings pose the highest risk of failure, potentially leading to structural collapse, increased inflow and infiltration (I&I), and environmental or public health issues. By prioritizing and completing the rehabilitation of all Grade 5 manholes before moving to Grade 4, the District ensures that the most urgent needs are addressed first. This approach reduces emergency maintenance, supports regulatory compliance, and enhances the overall efficiency and resilience of the sewer system.

Estimated Total Project Cost: $2,000,000

- FY2027-28: $500,000
- FY2028-29: $500,000
- FY2029-30: $500,000
- FY2030-31: $500,000

Anticipated Schedule:

- FY2027-28: Design and Construction Phase 1 of 4
- FY2028-29: Design and Construction Phase 2 of 4
- FY2029-30: Design and Construction Phase 3 of 4
- FY2030-31: Design and Construction Phase 4 of 4

Source: https://plummersenv.com/manhole-rehabilitation.php

Sewer Collection System Project

Project Name: SCADA System Upgrades Project

Description: This project entails the assessment, upgrade, and modernization of the Supervisory Control and Data Acquisition (SCADA) systems at the District's lift stations, which were originally constructed in 2008. The scope includes evaluating existing hardware and software components, addressing communication inefficiencies, enhancing remote monitoring capabilities, and integrating real-time data analytics to optimize pump operations. The improvements are intended to bring the SCADA infrastructure in line with current industry standards, enhance operational reliability, strengthen system security, and provide greater control and visibility over wastewater conveyance operations.

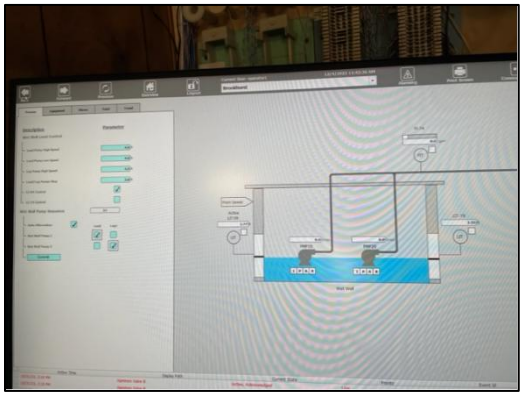
Justification: Since their construction in 2008, the lift stations have relied on aging SCADA systems that no longer meet the performance, security, or functionality standards required for modern wastewater infrastructure management. These outdated systems present risks related to delayed response times, limited diagnostics, and potential data loss. Upgrading the SCADA systems is essential to improve system resilience, reduce manual intervention, and ensure timely alerts for system anomalies or failures - ultimately supporting the District's mission to maintain reliable and efficient sewer service.

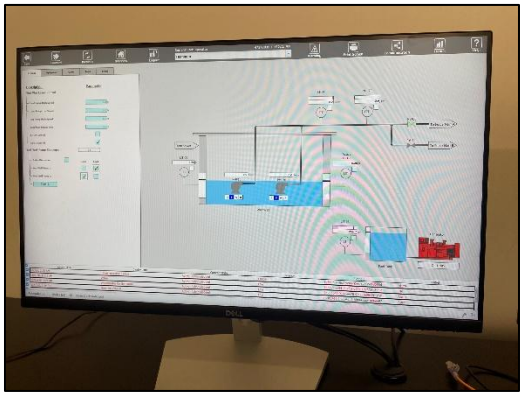
Estimated Total Project Cost: $318,270

- FY2027-28: $318,270

Anticipated Schedule:

- FY2027-28: Design and Construction Phase 2 of 2 (hardware/software upgrade).





Sewer Collection System Project

Project Name: Depth and Flow Monitoring Devices

Description: The District is planning to implement a future project involving the purchase and installation of 20 Depth and Flow Monitoring Devices equipped with advanced sensors to monitor flow and depth within the sewer system. These devices will be deployed at critical points such as hot spots and/or future project location to collect real-time data and support more effective system monitoring.

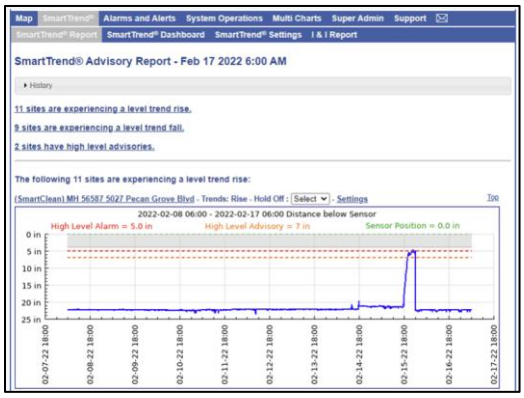
Justification: This project will enhance the District's ability to detect unusual flow patterns, identify potential blockages early, and reduce the risk of sanitary sewer overflows (SSOs). By leveraging real-time data, the District can improve operational decision-making, increase compliance with regulatory requirements, and support long-term infrastructure planning and maintenance.

Estimated Total Project Cost: $200,000

- FY2026-27: $100,000
- FY2027-28: $100,000

Anticipated Schedule:

- FY2026-27: Procurement, Phase 2 of 3
- FY2027-28: Procurement, Phase 3 of 3



Source: https://smartcoversystems.com/

MIDWAY CITY SANITARY DISTRICT

Serving the Community of Westminster and Midway City since 1939

Midway City Sanitary District

5-Year Capital and Operation Plan

Fiscal year 2026-27 through 2030-31

Combined

Solid Waste Collection System

and

Sewer Collection System

Projects

Combined Solid Waste Collection System and Sewer Collection System Project

Project Name: Assess using non-potable water project for sewer vehicles and wash bay

Description: This study will evaluate the feasibility of using non-potable water in existing vehicle washing facilities, as well as for sewer cleaning and other operational needs. Non-potable water is defined as water that is not safe for human consumption. A common example is "purple" water, also known as recycled or reclaimed water. The District's goal is to determine whether current facilities can be adapted to use non-potable water effectively. To accomplish this, the study will assess the existing infrastructure and identify the specific modifications required to accommodate the use of alternative water sources.

Justification: Transitioning to non-potable or recycled water helps reduce the unnecessary use of drinking-quality water in response to prolonged drought conditions. Washing large, heavy-duty vehicles such as garbage trucks and maintenance equipment requires substantial water usage. Incorporating non-potable water into these operations supports the District's commitment to environmental sustainability and resource efficiency. Recycled water is treated to meet safety standards for non-consumptive applications, including vehicle washing. Leveraging this resource promotes a more cost-effective and sustainable approach to municipal operations.

Estimated Total Project Cost: $26,523

- FY2027-28: $26,523

Anticipated Schedule:

- FY2027-28: Study

Combined Solid Waste Collection System and Sewer Collection System Project

Project Name: Seismic assessments and retrofit of all buildings and facilities Project

Description: This project involves conducting comprehensive seismic assessments of all buildings and facilities owned by the District, with particular emphasis on the shop, garage, and cleaning bay located at District headquarters. The assessment will result in the development of a prioritized list of structures that do not meet current seismic safety standards. Based on the findings, the District will implement structural retrofits on identified facilities to improve earthquake resilience.

Justification: Ensuring the structural integrity of District facilities is critical for protecting lives during an earthquake. Southern California is highly susceptible to seismic activity due to its proximity to multiple active fault lines, including the San Andreas Fault. District facilities support essential public services, and any structural damage or disruption in use can significantly impair service delivery. Conducting seismic assessments and implementing retrofits helps ensure operational continuity, enhances public safety, and supports effective disaster recovery strategies.

Estimated Total Project Cost: $87,418

- FY2028-29: $87,418

Anticipated Schedule:

- FY2028-29: Design and Construction

Combined Solid Waste Collection System and Sewer Collection System Project

Project Name: CNG Evaluation and Upgrade Project

Description: The District conducts monthly preventive maintenance on its Compressed Natural Gas (CNG) fueling stations to meet both local and state HAZMAT safety requirements. These inspections vary in scope to ensure all aspects of station operation remain safe and functional. Typical procedures include checking for external damage, monitoring compressor temperature and pressure, and inspecting for potential gas leaks or other irregularities. This maintenance is critical, as the District's fleet of solid waste transport vehicles depends on consistent and reliable access to CNG fueling. Any failure in the CNG station can lead to service delays and operational bottlenecks. To support long-term service reliability, the existing CNG infrastructure must also be adaptable to newer technologies, enhancing overall system resilience. A properly maintained and upgraded station is more energy-efficient and less susceptible to breakdowns, ensuring smoother operations across the District's services.

Justification: Due to the increasing demand for services in the District's surrounding area, fuel stations must accommodate a growing volume of usage. By evaluating station capacity - such as assessing compressor flow rates - the District can enhance the efficiency and effectiveness of daily operations. Upgrading or repairing components of the CNG stations, including the replacement of aging or inefficient parts, will extend the system's lifespan and reduce long-term maintenance costs by ensuring optimal performance. Regular inspections will help identify minor issues before they escalate into major, costly failures. Together, these evaluations and upgrades are essential to maintaining the reliability and sustainability of the District's solid waste vehicle fleet.

Estimated Total Project Cost: $100,000

- FY2026-27: $100,000

Anticipated Schedule:

- FY2026-27: Design and Construction

Combined Solid Waste Collection System and Sewer Collection System Project

Project Name: Developing Floodplain Management Plan

Description: The purpose of this project is to enhance resiliency and ensure that new buildings and infrastructure comply with FEMA's 100-year floodplain planning guidelines. It presents a comprehensive strategy to mitigate the risks and impacts associated with development and natural events in flood-prone areas. These areas - commonly referred to as floodplains - are typically low-lying or flat lands adjacent to bodies of water that are especially vulnerable to flooding. A primary goal of the District is to minimize harm to people, property, and the environment. To achieve this, the plan may propose actions such as strengthening emergency response coordination and implementing other risk-reduction measures.

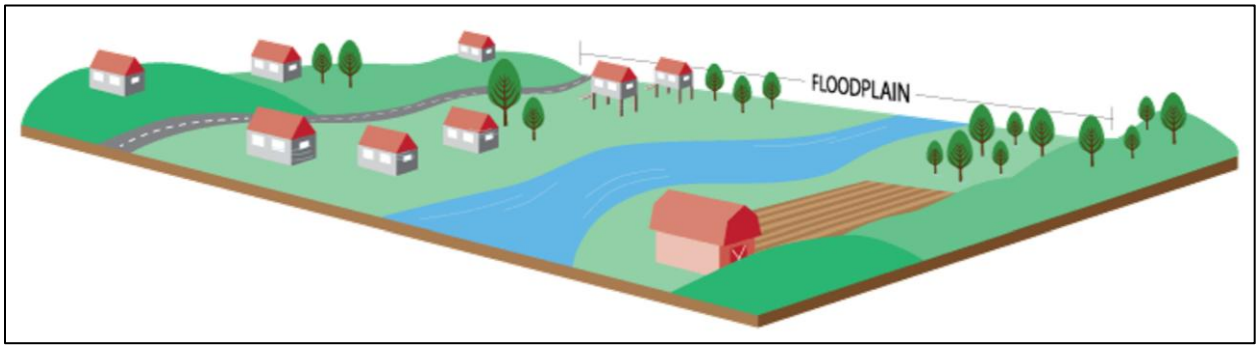
Justification: Flooding remains one of the most frequent and costly natural disasters. Proactive and strategic planning not only protects critical infrastructure but also reduces long-term recovery costs and, most importantly, saves lives. An effective floodplain management plan supports environmental objectives by preserving the ecological integrity of floodplains and safeguarding wildlife habitats. As the impacts of climate change intensify, it is increasingly vital to integrate resiliency into local land use and development policies. A well-developed plan helps local agencies and communities better understand flood hazards, assess vulnerabilities, and implement effective mitigation strategies.

Estimated Total Project Cost: $27,318

- FY2028-29: $27,318

Anticipated Schedule:

- FY2028-29: Study



Source: https://www.usace.army.mil/Missions/Civil-Works/Technical-Assistance/FPMS/

Combined Solid Waste Collection System and Sewer Collection System Project

Project Name: Local Hazard Mitigation Plan (LHMP) Update

Description: The District developed Local Hazard Mitigation Plan (LHMP) to assess natural and human-caused risks that could impact District operations and to reduce the potential effects of these hazards through targeted mitigation strategies. The LHMP reflects the District's commitment to building a safer, more resilient District by proactively minimizing risks and dedicating resources to protect customers and property within the service area. The LHMP is developed collaboratively with input from District departments, community stakeholders, partner agencies, and members of the public. In accordance with FEMA guidelines, the plan must be updated every five years. As part of this update cycle, the Planning Team evaluates goals and objectives from the previous LHMP and identifies those that continue to align with the District's current mitigation priorities.

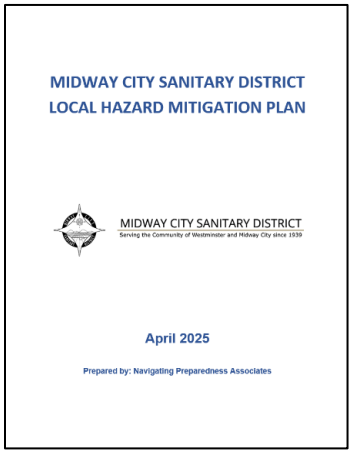
Justification: Maintaining an up-to-date LHMP is critical for promoting long-term community resilience and supporting proactive, rather than reactive, emergency planning. The LHMP is also a key requirement for FEMA grant eligibility, enabling access to federal funding for hazard mitigation projects. Regular updates ensure the plan remains relevant by accounting for evolving risks, such as those driven by climate change or newly identified hazards. The updated LHMP provides a clear picture of local vulnerabilities and outlines actionable strategies to strengthen the District's capacity for risk reduction. Over a five-year period, changes in local plans, policies, or development patterns may also necessitate adjustments to existing mitigation strategies, reinforcing the need for a dynamic and responsive planning approach.

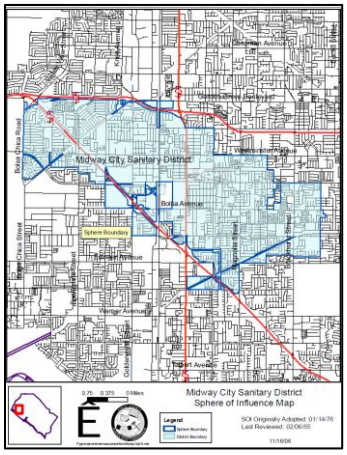
Estimated Total Project Cost: $54,587

- FY2029-30: $54,587

Anticipated Schedule:

- FY2029-30: Study





Combined Solid Waste Collection System and Sewer Collection System Project

Project Name: Engineering On-Call Services

Description: The District seeks to retain qualified engineering firms to provide on-call engineering services supporting its sewer collection and solid waste operations. The selected firm(s) will deliver a broad range of services on an as-needed basis, including planning, design, construction support, inspections, surveying, and technical studies for sewer infrastructure, as well as engineering support for refuse systems and fleet infrastructure. Work may involve preparation of capital improvement project documents, system modeling, environmental compliance, permitting, and emergency response assistance. Services will be performed in coordination with District staff to ensure timely, efficient, and high-quality delivery of projects and operational support across both sewer and refuse departments.

Justification: This project is necessary to provide the District with flexible access to specialized engineering expertise to effectively maintain, improve, and expand its sewer and waste management systems. Given the ongoing operational demands, regulatory requirements, and the need to respond quickly to both planned and unforeseen issues, on-call services ensure that qualified professionals are readily available without delays associated with procuring separate contracts for each task. This approach enhances the District's ability to protect public health, maintain system reliability, support infrastructure optimization, and meet environmental compliance obligations while efficiently managing resources and workload fluctuations.

Estimated Total Project Cost: $650,000

- FY2026-27: $130,000
- FY2027-28: $130,000
- FY2028-29: $130,000
- FY2029-30: $130,000
- FY2030-31: $130,000

Anticipated Schedule:

- FY2026-27: Engineering Consulting Services
- FY2027-28: Engineering Consulting Services
- FY2028-29: Engineering Consulting Services
- FY2029-30: Engineering Consulting Services
- FY2030-31: Engineering Consulting Services

MIDWAY CITY SANITARY DISTRICT

Serving the Community of Westminster and Midway City since 1939

Midway City Sanitary District

5-Year Capital and Operation Plan

Fiscal year 2026-27 through 2030-31

Solid Waste Collection System Projects

Solid Waste Collection System Project

Project Name: Fire Suppression System for Solid Waste Trucks

Description: The Fire Suppression System project for Solid Waste Trucks consists of the installation of a comprehensive fire detection and extinguishing setup tailored to the operational risks of waste collection vehicles without this system. Key components include a 50 lb A.B.C. dry chemical agent cylinder, strategically placed nozzles covering hazardous areas, and an inside manual cartridge actuation system. Fast-response thermostats will be installed in the truck body for early heat detection, complemented by a modular circuit monitor with visual and audible warning signals. Additional features include watertight modular electrical plugs, 24-hour internal backup battery support, and indicator gauges on agent cylinders and cartridges to show the state of charge. Welding, installation, and labor are also part of the project scope to ensure full system integration.

Justification: Solid waste trucks routinely operate in environments where fire hazards - such as exposure to flammable debris, batteries, etc. - are elevated. Installing this advanced fire suppression system significantly reduces the risk of onboard fires, ensuring both operator safety and the protection of critical fleet assets. The system's automatic and manual activation capabilities, along with real-time monitoring and redundancy features like backup batteries and watertight connections, offer a robust safety net. By proactively addressing fire risks, the district enhances fleet reliability, minimizes costly downtime, and upholds its commitment to public safety and operational continuity.

Estimated Total Project Cost: $80,000

- FY2026-27: $80,000

Anticipated Schedule:

- FY2026-27: Installation

MIDWAY CITY SANITARY DISTRICT

Serving the Community of Westminster and Midway City since 1939

Midway City Sanitary District

5-Year Capital and Operation Plan

Fiscal year 2026-27 through 2030-31

Administration Projects

Administration Project

Project Name: Building Project and Rehabilitation

Description: The Building Project and Rehabilitation initiative encompasses a range of facility improvements and upgrades across the District's existing office and yard, as well as enhancements to the newly acquired property. This project includes structural repairs, interior and exterior renovations, space reconfiguration, safety and accessibility improvements, and modernization of building systems such as electrical and plumbing. The goal is to ensure all District facilities are functional, efficient, and capable of supporting current and future operational needs while maintaining a safe and professional environment for staff and visitors.

Justification: This project is necessary to address aging infrastructure, deferred maintenance, and evolving operational requirements across District facilities. Upgrading existing buildings and improving the newly acquired Maple Street property will enhance workplace safety, increase operational efficiency, and support long-term asset management. Additionally, these improvements will help the District better utilize available space, accommodate growth, and comply with current building codes and accessibility standards. Investing in these facilities now reduces the risk of costly emergency repairs in the future and ensures the District can continue to provide reliable service to the community.

Estimated Total Project Cost: $300,000

- FY2026-27: $300,000

Anticipated Schedule:

- FY2026-27: Design and Construction

Administration Project

Project Name: Purchasing of 1 Vehicle

Description: The proposed purchasing is necessary to support the operational needs of the Administrative Division by providing a dedicated vehicle for daily use throughout the District and for attending meetings. Currently, staff rely on limited or shared transportation options, which can impact efficiency and scheduling. The purchase of this vehicle will ensure reliable transportation, improve staff productivity, and facilitate timely attendance at meetings and District-related activities.

Justification: The proposed purchase of one vehicle is to support the operational needs of the Administrative Division. This vehicle will provide reliable and efficient transportation for staff conducting day-to-day District business, including travel between facilities, field visits, and attendance at meetings and external engagements. Acquiring a dedicated administrative vehicle will improve staff mobility, enhance productivity, and ensure timely coordination of District activities while reducing reliance on personal vehicles or limited shared resources.

Estimated Total Project Cost: $50,000

- FY2026-27: $50,000

Anticipated Schedule:

- FY2026-27: Procurement

Administration Project

Project Name: District Marquee Sign Board Project

Description: Marquee Sign Board Project consists of the design, procurement, and installation of a new marquee sign at the District's facility. The sign will serve as a visible and accessible communication tool to display important announcements, public notices, meeting information, and community updates. The project may include structural components, electrical connections, and digital display features to ensure clear and effective messaging to the public.

Justification: This project is necessary to enhance the District's ability to communicate timely and important information to residents and the public. A dedicated marquee sign will improve outreach, increase transparency, and provide a reliable platform for sharing updates such as service notices, public meetings, and emergency information. Implementing this project will strengthen community engagement and ensure that critical information is conveyed efficiently and visibly.

Estimated Total Project Cost: $250,000

- FY2026-27: $250,000

Anticipated Schedule:

- FY2026-27: Design and Construction

Administration Project

Project Name: Micro Grid Project

Description: The District is planning to develop and implement microgrid resiliency at its main office. This initiative includes the installation of additional solar panels, battery storage systems, and electric vehicle (EV) chargers. To support medium and heavy-duty electric vehicles, the project will add new Level 3 chargers along with additional Level 2 units. The primary goal is to ensure uninterrupted operations during extended electrical outages. With this system in place, the District will remain operational during major power failures, including continued operation of the sewer collection infrastructure. The project scope encompasses the procurement of materials, as well as design, engineering, and construction services.

Justification: Maintaining solid waste and sewer services during power outages and other utility disruptions is essential for public health and safety. Implementing a microgrid system will enhance the District's emergency preparedness by ensuring continuous power supply to operate critical systems such as SCADA, server room, and other essential infrastructure. Microgrids support modernization and adaptability of facilities, aligning with the District's commitment to protecting public health. This initiative reflects forward-thinking infrastructure planning by integrating advanced technologies into daily operations. It also positions the District as an environmental leader, promoting sustainability and responsible resource management. In addition to these operational and reputational benefits, the system can reduce long-term energy costs, particularly through the use of solar power. By leveraging renewable and on-site energy sources, the District can minimize energy expenses during peak demand periods and improve overall energy efficiency.

Estimated Total Project Cost: $1,898,658

- FY2026-27: $180,000
- FY2027-28: $1,718,658

Anticipated Schedule:

- FY2026-27: Study
- FY2027-28: Design and Construction