

2025 Adopted Capital Improvement Budget



The Metropolitan District
Hartford, CT

Table of Contents

Capital Budget

Summary	E1
Capital Improvement Program	
Sewer	E13
Water	E23
Combined	E35
Clean Water Program	
Summary	E43
Referendum 1	E44
Referendum 2	E47
IntegratedPlan	
Summary	E51
Appropriations	E52

Summary

Capital Budget

Summary

Overview

The MDC's capital expenditures budget is based upon a comprehensive asset management program for wastewater, water, combined, and hydroelectric infrastructure. The program's objective is to ensure the continued safety and efficiency of the District's assets, as well as maintain and improve the water mains, sewers, pumping stations, treatment facilities, buildings, and equipment that comprise the Districts Water Distribution and Wastewater Collection Systems while meeting all applicable regulatory requirements. Asset management programs have been developed to maximize the effectiveness and useful life of our facilities.

Funding Sources

The District's 2025 capital expenditures budget is divided into 3 categories: Capital Improvement Program (CIP), Clean Water Program (CWP), and the Integrated Plan (IP). The MDC will pursue funding for projects, as follows:

1. Capital Improvement Program (CIP)

Wastewater

Purpose: Major projects provide significant improvements and modernization to MDC's wastewater collection system infrastructure and water pollution control facilities.

Funding Sources: Wastewater projects are funded by General Obligation Bonds and/or DEEP grants and loans. Wastewater General Obligation Bonds and DEEP loans are paid by taxes levied upon the Member Municipalities (Ad Valorem).

Water

Purpose: Major projects are targeting 10 miles of new and replacement water main installations along with water treatment facilities upgrades and improvements, as well as renewals at other ancillary facilities.

Funding Sources: Water projects are funded by General Obligation Bonds and/or DPH grants and loans. Water General Obligation bonds and DPH loans are paid by water customers through the approved water rates.

2. Clean Water Program (CWP)

Purpose: The projects fund programs to control combined sewer overflows, eliminate structural sanitary sewer overflows and reduce nitrogen discharges to the Connecticut River. These programs are being implemented pursuant to a Consent Order with the Connecticut Department of Energy and Environment Protection, a Consent Decree with the United States Environmental Protection Agency, and the District's discharge permit for nitrogen.

Funding Sources: Clean Water Program projects are funded by the Clean Water Project Charge (CWPC) funds held in the Rate Stabilization fund, DEEP, grants and loans. However, revenue bonds can be issued, and their debt service paid for with CWPC funds.

Capital Budget

Summary

3. Integrated Plan (IP)

Purpose: The projects will fund improvements to the MDC's wastewater collection system infrastructure and water pollution control facilities, as required to comply with the 2006 United States Environmental Protection Agency (USEPA) Consent Decree, and 2022 CT DEEP Consent Order. These projects are in accordance with the MDC's 2018 CSO Long Term Control Plan/Integrated Plan (LTCP/IP), and subsequent supplementary documents submitted to CT DEEP and approved through their Consent Order #COWRMU22002, as executed on September 2022 and modified in July 2023.

Funding Sources: Integrated Plan projects are funded by the Clean Water Project Charge (CWPC) funds held in the Rate Stabilization fund, DEEP, grants and loans. However, revenue bonds can be issued, and their debt service paid for with CWPC funds.

Capital Budget

Summary

Debt Administration Policy

Capital appropriations require approval by a two-thirds vote of the entire District Board and by a majority of the electors of the District at a referendum with the following exceptions:

1. Capital appropriations not exceeding \$26,460,386 indexed for inflation, excluding those portions of an appropriation payable from Federal or State grants for any single item within the capital section of the budget.
2. Appropriations for any reason involving not more than \$25,000,000 in any one year for the purpose of meeting a public emergency threatening the lives, health or property of citizens of the District.
3. Construction of or leasing headquarters facilities.
4. Any public improvement all or a portion of which is to be paid for by assessments of benefits or from funds established to pay for waste or water facilities.

With the exception of the two \$800,000,000 appropriations, and bond authorizations for the District's Clean Water Project approved at referenda in November, 2006 and November, 2012, and two supplemental grant appropriation's totaling \$158,800,000, which are expected to be supported by general obligation bonds, revenue bonds, and clean water fund obligations payable from the Clean Water Project Charge (previously the Special Sewer Service Surcharge), the District has followed a policy of financing capital expenditures by issuing general obligation bonds secured by unlimited taxes levied proportionately upon the Member Municipalities comprising the District.

In addition to taxes, certain water charges, sewer user fees, and assessments are available to repay the general obligation bonds. Sewer bonds are payable from the municipal tax levy on each Member Municipality and from sewer user charges levied on tax-exempt and high-flow users. General obligation water bonds are paid from water sale revenues. Assessable sewer construction bonds are secured by liens against assessments on benefited properties. The receipts from assessments are deposited in a separate fund, and payments for debt service on assessable sewer construction bonds are made from such fund. Hydroelectric bonds are funded from power sales revenue deposited in a separate fund, and payments of the debt service on the Hydroelectric bonds are made from said fund.

Capital Budget

Summary

2025 Budget Appropriations

The Metropolitan District's Capital Program budget for 2025 totals \$192,990,000 as reflected in the following summary. Wastewater programs total \$28,875,000; water programs total \$61,500,000; combined programs total \$20,531,000; Integrated Plan total \$82,084,000.

<u>Wastewater</u>			
1	C-25S01	General Purpose Sewer	\$3,000,000
2	C-25A01	New Britain Ave Area Drainage - Assessable Sewer	\$2,000,000
<u>Wastewater Collection</u>			
3	C-25S02	Wastewater Pump Station & Force Main Replacements	\$7,900,000
4	C-25S03	Dividend Brook Area Wastewater Collection Improvements	\$475,000
5	C-99P25	Paving Program & Restoration	\$2,600,000
6	C-24S03	Various Wastewater Collection Systems Improvements in Hartford and East Hartford (Increase to C-24S03)	\$2,000,000
<u>Wastewater Treatment</u>			
7	C-25S04	WPCF - Equipment Refurbishment	\$4,200,000
8	C-25S05	WPCF - General Purpose Improvements	\$5,900,000
9	C-25S06	EHWPCF - Blower and Aeration Equipment Replacement	\$800,000
<i>Wastewater Total</i>			\$28,875,000

<u>Water</u>			
10	C-25W01	General Purpose Water	\$5,500,000
<u>Water Distribution</u>			
11	C-99P25	Paving Program & Restoration	\$5,800,000
12	C-25W02	Elizabeth Park Transmission Main	\$1,600,000
13	C-25W03	Glastonbury Water Main Replacement	\$3,000,000
14	C-25W04	Reservoir 6 WTF - Plant Process and Life Safety Upgrades	\$16,200,000
15	C-25W05	Windsor Street Water Main (Sewer Separation)	\$3,500,000
16	C-25W06	Water Main Replacement Program - District-wide	\$20,000,000
17	C-25W07	Hartford Water Main Replacements	\$2,000,000
18	C-25W08	Water Treatment & Supply Infrastructure Rehabilitation, Upgrades & Replacements	\$500,000
19	C-25W09	Wethersfield Pump Station Upgrades	\$400,000
20	C-24W04	Farmington 11/Sisson Ave Water Main Replacements (Increase to C-24W04)	\$3,000,000
<i>Water Total</i>			\$61,500,000

Capital Budget

Summary

Combined			
21	C-99F25	CEM Vehicles & Equipment	\$3,850,000
22	C-99G25	CEM Generators	\$550,000
23	C-25C01	Facilities and Equipment Improvements	\$920,000
24	C-25C02	IT: Infrastructure Project	\$3,150,000
25	C-24C01	IT: SAP Upgrades (Increase to C-24C01)	\$2,520,000
26	C1H03	Engineering Services Staffing	\$5,975,000
27	C1H04	Construction Services Staffing	\$3,566,000
Combined Total			\$20,531,000

Integrated Plan			
28	C-25X01	Program Management Consultant/General Purpose IP	\$7,900,000
29	C-25X02	LTCP/IP Sewer Separation Drainage Study	\$4,500,000
30	C-25X03	Sewer Backup Prevention Program - District-wide	\$7,000,000
31	C-25X04	Sewer House Connection/Separation Program - District-wide	\$2,000,000
32	C-25X05	Various Sewer Pipe Replacement/Rehabilitations - District wide	\$19,900,000
33	C-25X06	Sanitary Sewer Easement Improvement Program	\$2,400,000
34	C-25X07	Easement Sewer Rehabilitation Program Phase 2	\$18,000,000
35	C-25X08	CSO/SSO System Infrastructure Upgrades	\$3,000,000
36	C-24X10	Windsor St. Sewer Separation (Increase to C-24X10)	\$7,900,000
37	C-23X15	Sewer & Lateral Rehabilitation in North Meadows Drainage Area (NM 5/6/7) (Increase to C-23X15)	\$3,000,000
38	C1X01	Integrated Plan Staffing	\$6,484,000
Integrated Plan Total			\$82,084,000

Total 2025 Capital Budget Appropriations			\$192,990,000
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Capital Budget

Summary

Expenditure Classification	2023 Adopted	2024 Adopted	2025 Adopted	\$ Change
<i>Summary by Program</i>				
Engineering Services	3,645,000	7,146,100	5,975,000	(1,171,100)
Construction Services	3,830,000	4,526,300	3,566,000	(960,300)
Technical Services	4,360,000	-	-	-
Integrated Plan	-	-	6,484,000	6,484,000
<i>Total</i>	11,835,000	11,672,400	16,025,000	4,352,600
<i>Summary by Major Object</i>				
Regular Pay	5,967,890	6,821,400	10,128,588	3,307,188
Overtime 100%	-	-	-	-
Overtime 150%	200,000	150,000	200,000	50,000
Overtime 200%	-	-	-	-
Temporary Help	-	-	-	-
Standby & Premium Pay	2,000	2,000	-	(2,000)
Longevity Pay	15,500	17,900	19,450	1,550
Total Payroll	6,185,390	6,991,300	10,348,038	3,356,738
Medical Services	1,143,400	732,000	1,810,241	1,078,241
Medicare	89,688	101,800	146,859	45,059
OPEB Trust Contribution	1,435,000	913,600	1,504,472	590,872
Pension Contribution	1,224,000	970,600	1,570,080	599,480
Social Security	377,074	427,800	617,760	189,960
Clothing Allowance	11,000	7,800	27,550	19,750
Mileage Allowance	3,000	3,000	-	(3,000)
Employee Reimbursement	-	2,000	-	(2,000)
Total Other	4,283,162	3,158,600	5,676,962	2,518,362
Contingency	1,366,448	1,522,500	-	156,052
Total CIP Summary	11,835,000	11,672,400	16,025,000	5,875,100

Authorized Positions

Engineering Services	11	28	26	(2)
Construction Services	16	20	19	(1)
Technical Services	14	-	-	-
Integrated Plan	-	-	30	30
Total Authorized Positions	41	48	75	27

Capital Budget

Summary

Five-Year Capital Improvement Program

The District has undertaken a comprehensive asset management program which involves a systematic replacement of water and sewer infrastructure in a proactive manner whereby the District will continue to maintain and improve its assets to ensure the safe and efficient operation of service. In addition, it is anticipated that the District will continue to complete projects associated with the Clean Water Project and Integrated Plan during 2025.

The District submitted an Integrated Plan (IP) to CT DEEP as part of its Consent Order required Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) Update in December 2018. Modifications and an Executive Summary were submitted in May 2020, with LTCP/IP Phase 1 plans submitted in February 2021. Phase 1 represent projects to be completed prior to December 31, 2029. The LTCP/IP was formally approved in September 2022, via the execution of Consent Order COW-RMU22002, which supersedes the 2006 Consent Order. Subsequently more modifications to the Consent Order were made and approved in July 2023. The Five-Year Integrated Plan has been modified to reflect these changes.

Capital Budget

Summary

Wastewater	2025	2026	2027	2028	2029
General Purpose Sewer	\$3,000,000	\$3,000,000	\$3,500,000	\$3,500,000	\$3,500,000
New Britain Ave Area Drainage – Assessable Sewer	\$2,000,000	-----	-----	-----	-----
Wastewater Pump Station & Force Main Replacements	\$7,900,000	\$2,000,000	\$5,000,000	\$5,000,000	\$5,000,000
Dividend Brook Area Wastewater Collection Improvements	\$475,000	-----	\$16,000,000	-----	\$500,000
Paving Program & Restoration	\$2,600,000	\$2,730,000	\$2,866,500	\$3,010,000	\$3,160,000
Various Wastewater Collection Systems Improvements in Hartford and East Hartford (Increase to C-24S03)	\$2,000,000	-----	-----	-----	-----
WPCF - Equipment Refurbishment	\$4,200,000	\$4,410,000	\$4,630,500	\$4,863,000	\$5,106,000
WPCF- General Purpose Improvements	\$5,900,000	\$6,195,000	\$6,504,750	\$6,830,000	\$7,172,000
EHWPCF Blower and Aeration Equipment Replacement	\$800,000	-----	-----	-----	-----
PWPCF Upgrades	-----	\$10,000,000	-----	-----	-----
Phase 2 – HWPCF Sludge Equalization	-----	\$20,000,000	-----	-----	-----
Wastewater Total	\$28,875,000	\$48,335,000	\$38,501,750	\$23,203,000	\$24,438,000

Capital Budget

Summary

<u>Water</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
General Purpose Water	\$5,500,000	\$5,775,000	\$6,063,750	\$6,367,000	\$6,686,000
Paving Program & Restoration	\$5,800,000	\$6,090,000	\$6,394,500	\$6,714,500	\$7,050,000
Elizabeth Park Transmission Main	\$1,600,000	\$13,000,000	-----	-----	-----
Glastonbury Water Main Replacements	\$3,000,000	-----	-----	\$3,000,000	-----
Reservoir 6 WTF – Plant Process and Life Safety Upgrades	\$16,200,000	-----	-----	-----	-----
Windsor Street Water Main (Sewer Separation)	\$3,500,000	-----	-----	-----	-----
Water Main Replacement Program – District-wide	\$20,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Hartford Water Main Replacements	\$2,000,000	-----	-----	-----	-----
Water Treatment & Supply Infrastructure Rehabilitation, Upgrades & Replacements	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
Wethersfield Pump Station Upgrades	\$400,000	-----	\$4,000,000	-----	-----
Farmington 11/Sisson Area Water Main Replacements (Increase to C-24W04)	\$3,000,000	-----	-----	-----	-----
Nepaug Dam R&R	-----	-----	\$3,000,000	-----	-----
Saville Dam R&R	-----	-----	\$2,500,000	-----	-----
Advanced Meter Reading Program	-----	\$1,600,000	\$2,000,000	\$2,000,000	\$2,000,000
Water Service Verification Contract	-----	\$5,000,000	-----	\$5,000,000	-----
Day Hill Water Tank Rehabilitation	-----	\$3,000,000	-----	-----	-----
Water Pump Station Rehabilitations and Renewals	-----	\$500,000	\$500,000	\$500,000	\$500,000
Bishops Corner Water Main Replacement	-----	-----	-----	\$5,000,000	-----
Connecticut River Crossing Transmission Main	-----	-----	\$20,000,000	-----	-----
Water Treatment/Transmission Improvements	-----	\$1,000,000	\$1,000,000	\$1,000,000	-----
Ellington Road WM Replacement	-----	\$8,100,000	-----	-----	-----
Barbour Street & Charlotte Street Area Water Main Improvements	-----	-----	-----	\$12,000,000	-----
WMP - WH WTP 5MG Tank	-----	\$15,200,000	-----	-----	-----
WMP - Lake McDonough Bypass	-----	-----	-----	-----	\$6,500,000
WMP - Ford River Crossing	-----	-----	\$6,000,000	-----	-----
WMP - WH Water Treatment Plant - Pilot Study	-----	-----	\$1,000,000	-----	-----
WMP - Saville Dam Gatehouse - Exterior Pipe Coating	-----	-----	-----	\$1,100,000	-----
Wastewater Total	\$61,500,000	\$69,765,000	\$62,958,250	\$53,181,500	\$33,236,000

Capital Budget

Summary

Combined	2025	2026	2027	2028	2029
CEM Vehicles & Equipment	\$3,850,000	\$4,042,500	\$4,245,000	\$4,457,000	\$4,680,000
CEM Generators	\$550,000	\$500,000	\$500,000	\$500,000	-----
Facilities and Equipment Improvements	\$920,000	\$750,000	\$1,050,000	\$750,000	\$1,050,000
231/240 Brainard Rd Facility Upgrades	-----	\$5,000,000	-----	-----	-----
IT: Infrastructure Project	\$3,150,000	-----	\$2,000,000	-----	\$2,000,000
IT: SAP Upgrades (Increase to C-24C01)	\$2,520,000	\$4,000,000	\$10,000,000	\$7,500,000	\$7,500,000
Engineering Services Staffing	\$5,975,000	\$6,273,750	\$6,587,438	\$6,916,809	\$7,262,650
Construction Services Staffing	\$3,566,000	\$3,744,300	\$3,931,515	\$4,128,091	\$4,334,496
Combined Total	\$20,531,000	\$24,310,550	\$28,313,953	\$24,251,900	\$26,827,146

Hydro Rehabilitation	2025	2026	2027	2028	2029
Goodwin Dam Hydro	-----	\$500,000	-----	-----	-----
Hydro Total	-----	\$500,000	-----	-----	-----

Capital Budget

Summary

Integrated Plan	2025	2026	2027	2028	2029
Program Management Consultant/General Purpose IP	\$7,900,000	\$7,900,000	\$8,137,000	\$8,382,000	\$8,633,000
LTCP/IP Sewer Separation Drainage Study	\$4,500,000	-----	-----	-----	-----
Sewer Backup Prevention Program – District-wide	\$7,000,000	\$5,000,000	\$3,000,000	\$2,000,000	\$2,000,000
Sewer House Connection/Separation Program – District-wide	\$2,000,000	\$3,000,000	\$5,000,000	\$7,000,000	\$7,000,000
Various Sewer Pipe Replacement/Rehabilitations - District-wide	\$19,900,000	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000
Sanitary Sewer Easement Improvement Program	\$2,400,000	\$2,520,000	\$2,520,000	\$500,000	\$500,000
Easement Sewer Rehabilitation Program Phase 2	\$18,000,000	-----	\$650,000	-----	\$15,000,000
CSO/SSO System Infrastructure Upgrades	\$3,000,000	\$2,000,000	-----	-----	-----
Windsor Street Sewer Separation (increase to C-24X10)	\$7,900,000	-----	-----	-----	-----
Sewer & Lateral Rehabilitation in North Meadows Drainage Area (NM 5/6/7) (Increase to C-23X15)	\$3,000,000	-----	-----	-----	-----
Granby 7 Sewer Separation	-----	-----	\$21,000,000	-----	-----
Granby 8 Sewer Separation	-----	-----	\$22,000,000	-----	-----
Granby 9 Sewer Separation	-----	-----	\$21,000,000	-----	-----
Bloomfield Styrene Rehab (Small Diameter Phase 3)	-----	-----	-----	\$4,200,000	-----
East Hartford Styrene Rehab (Small Diameter Phase 4)	-----	-----	-----	-----	\$4,900,000
Rocky Hill Styrene Rehab (Small Diameter Phase 5)	-----	-----	-----	-----	\$2,300,000
Integrated Plan Staffing	\$6,484,000	\$6,808,200	\$7,148,610	\$7,506,041	\$7,881,343
Integrated Plan Total	\$82,084,000	\$47,228,200	\$110,455,610	\$49,588,041	\$68,214,343

Capital Improvement Program

Capital Budget

Capital Improvement Program - Sewer

The following is a list of the recommended wastewater system programs and projects to be funded through the MDC's 2025 Capital Improvement Program budget. The projects that comprise the wastewater system programs are necessary to enhance, upgrade and rehabilitate the extensive sewer infrastructure throughout the District and to improve the efficiency and effectiveness of facility operations. Each is considered to be a separate undertaking in accordance with Section 3-11 of the Charter of the Metropolitan District.

<u>Wastewater</u>			
1	C-25S01	General Purpose Sewer	\$3,000,000
2	C-25A01	New Britain Ave Area Drainage - Assessable Sewer	\$2,000,000
<u>Wastewater Collection</u>			
3	C-25S02	Wastewater Pump Station & Force Main Replacements	\$7,900,000
4	C-25S03	Dividend Brook Area Wastewater Collection Improvements	\$475,000
5	C-99P25	Paving Program & Restoration	\$2,600,000
6	C-24S03	Various Wastewater Collection Systems Improvements in Hartford and East Hartford (Increase to C-24S03)	\$2,000,000
<u>Wastewater Treatment</u>			
7	C-25S04	WPCF - Equipment Refurbishment	\$4,200,000
8	C-25S05	WPCF - General Purpose Improvements	\$5,900,000
9	C-25S06	EHWPCF - Blower and Aeration Equipment Replacement	\$800,000
<i>Wastewater Total</i>			\$28,875,000

Capital Budget

Capital Improvement Program - Sewer

Program – General Purpose Sewer

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	C-25S01	2110

Description

Planning, design and construction of the replacement and/or rehabilitation of existing sewer mains, pump stations, and any related collection system appurtenances at various locations District- wide as a result of infrastructure exceeding useful life. Projects may also include electrical, mechanical, instrumentation, Supervisory Control and Data Acquisition (SCADA) and renewable energy upgrades in addition to facility upgrades. Projects may include limited sewer work associated with related water main replacements in order to maximize efficiency. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate, upgrade or replace aging sewer pipelines and structures.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$3,000,000 is hereby appropriated for the planning, design and construction of the replacement and/or rehabilitation of existing sewer mains, pump stations and any related collection system appurtenances at various locations within the District, including electrical, mechanical, instrumentation, Supervisory Control and Data Acquisition (SCADA), and renewable energy upgrades in addition to facility upgrades and site work at wastewater treatment facilities. The appropriation may also be expended for water main replacements, inspection costs, engineering and professional fees, materials, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – New Britain Ave Area Drainage – Assessable Sewer

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	C-25A01	3110

Description

Extension of existing storm sewers in conjunction with a local roadway improvement project in the New Britain Avenue Area in Hartford. This project includes design, construction and project administration. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To provide storm sewer infrastructure within the New Britain Avenue Area in Hartford.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$2,000,000 is hereby appropriated for the extension of existing storm sewers in conjunction with a local roadway improvement project in the New Britain Avenue Area in Hartford. The appropriation may also be expended for design, construction and inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – Wastewater Pump Station & Force Main Replacements

Amount
\$7,900,000

Project #
C-25S02

Fund
2110

Description

Construction of upgrades and/or replacements at Wastewater Pump Stations and Force Mains, including but not limited to Island Road Sanitary Pump Station in Windsor and the Old Farm Drive Force Main in Newington. Scope of upgrades may include the replacement of existing force mains, existing process, mechanical, structural, electrical and control systems. Other improvements include site work and other miscellaneous modifications. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To repair, rehabilitate or replace wastewater pump stations and force mains.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$7,900,000 is hereby appropriated for the construction of upgrades and/or replacements at wastewater pump stations and force mains, including, but not limited to, the Island Road Sanitary Pump Station in Windsor and the Old Farm Drive Force Main in Newington. The scope of the upgrades may include the replacement of existing force mains, existing process, mechanical, structural, electrical and control systems. Other improvements include site work and other miscellaneous pump station modifications. The appropriation may also be expended for design, construction and inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – Dividend Brook Area Wastewater Collection Improvements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$475,000	C-25S03	2110

Description

Design and construction improvements to the Dividend Brook Drainage Area within the Rocky Hill Sewershed (Dividend Brook) as necessary to consolidate and/or reduce pump stations with new gravity sewers and/or pump stations. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To design, construct improvements within the Dividend Brook Drainage Area as required to consolidate aging pump stations.

Future Appropriations

Future appropriation requests are anticipated over the next three years.

Bond Language

The sum of \$475,000 is hereby appropriated for design and construction improvements to the Dividend Brook Drainage Area within the Rocky Hill Sewershed (Dividend Brook), including the possible installation of gravity sewers pump stations and force main sewers. The appropriation may also be expended for the construction of a new pump station and the decommissioning of existing pump stations, design, construction and inspection costs, engineering and professional fees, materials, costs related to the disposal of unsuitable materials and the usage of material from stock, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – Paving Program and Restoration

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,600,000	C-99P25	2110

Description

Final restoration of roads, sidewalks, driveways, parking lots and other areas disturbed by work on MDC sewer infrastructure, including costs for disposal of unsuitable materials and usage of material from stock. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To restore sites associated with various sewer main installations, replacements and repairs.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$2,600,000 is hereby appropriated for the final restoration of roads, sidewalks, driveways, parking lots and other areas disturbed by work on District sewer infrastructure, including costs for disposal of unsuitable materials and usage of material from stock. The appropriation may also be expended for design, construction and inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – Various Wastewater Collection Systems Improvements in Hartford and East Hartford (Increase to C-24S03)

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	C-24S03	2110

Description

To rehabilitate and replace sanitary sewers in Hartford and East Hartford on Chadwick, Deerfield, Francis Goodwin and Hammer. This will also include lateral rehabilitation and replacement to the building. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To replace aging pipelines and structures.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$2,000,000 is hereby appropriated for wastewater collection system improvements which are necessary prior to replacing approximately 5,200 linear feet of aging water mains on streets including but not limited to Chadwick Avenue and Deerfield Avenue in Hartford and Francis Street, Hammer Street and Goodwin Place in East Hartford. The appropriation may also be expended for including design, construction and inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – WPCF – Equipment Refurbishment

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$4,200,000	C-25S04	2110

Description

Refurbishment and/or rehabilitation of various infrastructure and equipment at the District's four Water Pollution Control Facilities to modernize existing systems including mechanical, electrical, process, instrumentation and control systems. This project will rehabilitate multiple water pollution control assets to improve operational readiness/reliability, safety, increase wastewater processing capabilities and add/enhance assets life. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate aging equipment at the District's four Water Pollution Control Facilities.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$4,200,000 is hereby appropriated for the refurbishment and/or rehabilitation of various infrastructure and equipment at the District's four Water Pollution Control Facilities to modernize existing systems, including mechanical, electrical, process, instrumentation and control systems. This project will rehabilitate multiple water pollution control assets to improve operational readiness/reliability, safety, increase wastewater processing capabilities and add/enhance assets' life. The appropriation may also be expended for design and construction costs, mechanical and electrical costs, inspection costs, engineering, architectural and professional fees, materials, instrumentation, controls systems, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – WPCF - General Purpose Improvements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,900,000	C-25S05	2110

Description

Design and construction of various infrastructure renewals, upgrades, and replacements at the District's four Water Pollution Control Facilities to modernize existing systems including mechanical, electrical, process, instrumentation and control systems. This project will rehabilitate multiple water pollution control assets to improve operational readiness/reliability, safety, increase wastewater processing capabilities and add/enhance assets life. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate and/or improve aging infrastructure at the District's Hartford Water Pollution Control Facility.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$5,900,000 is hereby appropriated for design and construction of various infrastructure renewals, upgrades, and replacements at the District's four Water Pollution Control Facilities to modernize existing systems, including mechanical, electrical, process, instrumentation and control systems. This project will rehabilitate multiple water pollution control assets to improve operational readiness/reliability, safety, increase wastewater processing capabilities and add/enhance assets' life. The appropriation may also be expended for design, inspection and construction costs, engineering and professional fees, mechanical and electrical costs, instrumentation, materials, equipment, controls systems, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – EHWPCF – Blower and Aeration Equipment Replacement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$800,000	C-25S06	2110

Description

Design and construction of the aeration blower replacement at the East Hartford Water Pollution Control Facility. Replacement shall include all mechanical, electrical, process, instrumentation and control systems required to install and connect new aeration blower, including additional aeration equipment. This project will improve operational readiness/reliability, increase wastewater processing capabilities, and add/enhance assets life. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

Replacement of aeration blowers and related ancillary equipment to improve operational readiness and reliability and meet appropriate NPDES permitting requirements.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$800,000 is hereby appropriated for the design and construction of the aeration blower replacement at the East Hartford Water Pollution Control Facility. The replacement of the aeration blower shall include all mechanical, electrical, process, instrumentation and control systems required to install and connect the new aeration blowers, including additional aeration equipment. This project will improve operational readiness/reliability, increase wastewater processing capabilities and add/enhance the asset's life. The appropriation may also be expended for design, inspection and construction costs, engineering and professional fees, safety improvements, mechanical and electrical costs, instrumentation, materials, equipment, instrumentation, controls systems, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

The following is a list of the recommended water system programs and projects to be funded through the MDC's 2025 Capital Improvement Program budget. Each is considered to be a separate undertaking in accordance with Section 3-11 of the Charter of the Metropolitan District. The projects that comprise the water system programs are necessary to extend, upgrade and maintain the extensive water infrastructure throughout the District and to enhance the efficiency and effectiveness of facility operations.

Water			
10	C-25W01	General Purpose Water	\$5,500,000
Water Distribution			
11	C-99P25	Paving Program & Restoration	\$5,800,000
12	C-25W02	Elizabeth Park Transmission Main	\$1,600,000
13	C-25W03	Glastonbury Water Main Replacements	\$3,000,000
14	C-25W04	Reservoir 6 WTF - Plant Process and Life Safety Upgrades	\$16,200,000
15	C-25W05	Windsor Street Water Main (Sewer Separation)	\$3,500,000
16	C-25W06	Water Main Replacement Program - District-wide	\$20,000,000
17	C-25W07	Hartford Water Main Replacements	\$2,000,000
18	C-25W08	Water Treatment & Supply Infrastructure Rehabilitation, Upgrades & Replacements	\$500,000
19	C-25W09	Wethersfield Pump Station Upgrades	\$400,000
20	C-24W04	Farmington 11/Sisson Ave Water Main Replacements (Increase to C-24W04)	\$3,000,000
Water Total			\$61,500,000

Capital Budget

Capital Improvement Program - Water

Program – General Purpose Water

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,500,000	C-25W01	2120

Description

Planning, design and construction of the replacement and/or rehabilitation of aging water mains and related system-wide equipment/infrastructure improvements to enhance the effectiveness, efficiency and safety of the District's water supply, treatment and distribution systems. Projects may include electrical, mechanical, or renewable energy upgrades at District facilities as well as water modeling, master planning and the integration of Supervisory Control and Data Acquisition (SCADA) and data collection/evaluation systems. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To enhance the effectiveness, efficiency and safety of the District's water supply, treatment and distribution systems.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$5,500,000 is hereby appropriated for the planning, design and construction of the replacement and/or rehabilitation of aging water mains and related system-wide equipment/infrastructure improvements to enhance the effectiveness, efficiency and safety of the District's water supply, treatment and distribution systems, including electrical, mechanical or renewable energy upgrades at District facilities, water modeling, master planning and the integration of Supervisory Control and Data Acquisitions (SCADA) and data collection/evaluation systems. The appropriation may also be expended for inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Paving Program and Restoration

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,800,000	C-99P25	2120

Description

Final restoration of roads, sidewalks, driveways, parking lots and other areas disturbed by work on MDC water infrastructure, including costs for disposal of unsuitable materials and usage of material from stock. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To restore sites associated with various water main installations, replacements and repairs.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$5,800,000 is hereby appropriated for final pavement restoration of roads, sidewalks, driveways, parking lots and other areas disturbed by work performed on District water infrastructure projects, including design, construction and inspection costs, engineering and professional fees, materials, costs related to the disposal of unsuitable materials and the usage of material from stock, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Elizabeth Park Transmission Main

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,600,000	C-25W02	2120

Description

Project is included in Raw Water Supply & Treatment Master Plan. The water transmission main extension is needed to supply the West Hartford Water Treatment Facility (WHWTF) service area with additional water from the Reservoir 6 WTF during planned upgrades at the WHWTF, and as needed moving forward. The project includes the installation of approximately 8,300 feet of 36-inch water transmission main to interconnect the Reservoir 6 WTF and West Hartford Water Treatment Facility service areas. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To improve the reliability and extend the asset life of various raw water pipeline and transmission main infrastructure.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next year.

Bond Language

The sum of \$1,600,000 is hereby appropriated for the Elizabeth Park water transmission main extension to supply the West Hartford Water Treatment Facility service area with additional water from the Reservoir 6 Water Treatment Facility as included in the Water Master Plan. The project includes the installation of approximately 8,300 feet of 36-inch water transmission mains to interconnect the Reservoir 6 Water Treatment Facility and the West Hartford Water Treatment Facility service areas. The appropriation may also be expended for design, construction and inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Glastonbury Water Main Replacement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	C-25W03	2120

Description

Design and/or construction for the rehabilitation and/or replacement of various water mains and water services in Glastonbury that have exceeded their useful life and/or have experienced numerous breaks or are undersized for current needs. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To improve the reliability, efficiency and safety of Glastonbury's water distribution system.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$3,000,000 is hereby appropriated for design and/or construction costs for the rehabilitation and/or replacement of various water mains and water services in Glastonbury that have exceeded their useful life and/or have experienced numerous breaks or are undersized for current needs. The appropriation may also be expended and inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Reservoir 6 WTF- Plant Process and Life Safety Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$16,200,000	C-25W04	2120

Description

Construction of Water Treatment Facility renovations and upgrades at the Reservoir 6. Water Treatment Facility (R6WTF) to process and life safety as included in the Water Master Plan. For the coagulation/flocculation/sedimentation process renovations/improvements shall include: area wide electrical improvements; drywell structural, HVAC, electrical improvements; flash mixers/coag process improvements, floc basin process improvements. The project shall also include renovations and improvement to controls for all noted processes to be connected to the SCADA system consistent with MDC plans to include new sensors and electric actuators. The project will provide new OSHA compliant ladders, railings and lighting to system components. Site security access shall be incorporated throughout the work area with new site lighting and control card access. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To renovate/rehabilitate equipment and infrastructure at the Water Treatment Facilities – Reservoir 6, as identified in the Water Master Plan.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$16,200,000 is hereby appropriated for renovations and upgrades to the Reservoir 6 Water Treatment Facility as included in the Water Master Plan, for the coagulation/flocculation/sedimentation process, renovations and improvements including: area wide electrical improvements; drywell structural improvements, HVAC improvements, electrical improvements; flash mixers/coag process improvements and floc basin process improvements. The project shall also include renovations and improvements to controls for all noted processes to be connected to the Supervisory Control and Data Acquisitions system (SCADA) consistent with MDC plans to include new sensors and electric actuators. The project will provide new OSHA compliant ladders, railings and lighting to system components. Site security access shall be incorporated throughout the work area with new site lighting and control card access. The appropriation may also be expended for design, construction and inspection costs, engineering and professional fees, electrical and mechanical costs, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Windsor Street Water Main (Sewer Separation)

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,500,000	C-25W05	2120

Description

Construction, inspection, and associated work for the replacement of existing water mains and service reconnections on Windsor Street and Main Street in Hartford in conjunction with planned sewer separation project. The project will replace existing mains with a new 12-in main. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To replace a water main as support for a sewer separation project

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next two years.

Bond Language

The sum of \$3,500,000 is hereby appropriated for construction and inspection costs and associated work for the replacement of existing water mains and service reconnections on Windsor Street and Main Street in Hartford in conjunction with the planned sewer separation project. The project will replace existing mains with a new 12-inch main. The appropriation may also be expended for design costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Water Main Replacement Program - District-wide

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$20,000,000	C-25W06	2120

Description

Design and/or construction for the rehabilitation and/or replacement of various water mains and water services throughout the District service area that have exceeded their useful life and/or have experienced numerous breaks. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To improve the reliability, efficiency and safety of the District's water distribution system.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$20,000,000 is hereby appropriated for design and/or construction costs for the rehabilitation and/or replacement of various water mains and water services throughout the District service area that have exceeded their useful life and/or have experienced numerous breaks. The appropriation may also be expended for inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the project. District resources and outside resources may be utilized for the project. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Hartford Water Main Replacements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	C-25W07	2120

Description

Design, construction, and inspection services associated with the rehabilitation and/or replacement of existing water mains and water services in Hartford that have exceeded their useful life and/or have experienced numerous breaks. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To improve the reliability, efficiency and safety of the District's water distribution system.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$2,000,000 is hereby appropriated for design, construction and inspection services for the rehabilitation and/or replacement of various water mains and water services in Hartford that have exceeded their useful life and/or have experienced numerous breaks. The appropriation may also be expended for engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Water Treatment & Supply Infrastructure Rehabilitation, Upgrades & Replacements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$500,000	C-25W08	2120

Description

Design and construction of various infrastructure renewal and replacements at the District's water treatment and supply facilities and functions. Multiple water treatment and supply assets will be rehabilitated to improve raw water quality, water treatment processes, operational reliability, security and safety. These projects are intended to extend and enhance the asset life. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To replace aging equipment and infrastructure at the Water Treatment Facilities.

Future Appropriations

No additional appropriation requests are anticipated over the next four year

Bond Language

The sum of \$500,000 is hereby appropriated for the design and construction of various infrastructure renewal and replacements at the District's water treatment and supply facilities and functions. Multiple water treatment and supply assets will be rehabilitated to improve raw water quality, water treatment processes, operational reliability, security and safety to extend and enhance assets' life. The appropriation may also expend for inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Wethersfield Pump Station Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$400,000	C-25W09	2120

Description

Design for the improvements of the Wethersfield Pump Station, including replacement of existing mechanical, structural, electrical and controls systems. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To improve the pump station that has deteriorated

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next two years.

Bond Language

The sum of \$400,000 is hereby appropriated for the design of improvements to the Wethersfield Pump Station, including the replacement of existing mechanical, structural, electrical and controls systems. The appropriation may also be expended for engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the project. District resources and outside resources may be utilized for the project. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program –Farmington 11/Sisson Ave Water Main Replacements (Increase to C-24W04)

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	C-24W04	2120

Description

This project is for the construction, inspection and associated work for the replacement of existing water main and service reconnections in the Farmington Avenue area of Hartford. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To replace aging pipelines and structures.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$3,000,000 is hereby appropriated for construction and inspection costs and associated work for the replacement of existing water mains and service reconnections in the Farmington Avenue area of Hartford. The appropriation may also be expended for design costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the project. District resources or outside resources may be utilized for the project. District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Combined

The following is a list of the recommended combined capital programs and projects to be funded through the MDC's 2025 Capital Improvement Program budget. These capital programs and projects provide for needed fleet and equipment replacement and upgrades, facility improvements and staffing. Each is considered to be a separate undertaking in accordance with Section 3-11 of the Charter of the Metropolitan District.

Combined			
21	C-99F25	CEM Vehicles & Equipment	\$3,850,000
22	C-99G25	CEM Generators	\$550,000
23	C-25C01	Facilities and Equipment Improvements	\$920,000
24	C-25C02	IT: Infrastructure Project	\$3,150,000
25	C-24C01	IT: SAP Upgrades (Increase to C-24C01)	\$2,520,000
26	C1H03	Engineering Services Staffing	\$5,975,000
27	C1H04	Construction Services Staffing	\$3,566,000
Combined Total			\$20,531,000

The following positions are included in the combined capital program:

Authorized Positions

Title	Number
Assistant Manager of Construction	1
Compliance Analyst	1
Construction & Utilities Services Supervisors	3
Construction Managers	5
Director of Engineering	1
Durational Project Engineer	1
Engineering Technicians 2	5
Entry Level Engineer	1
Manager of Public Info OOC	2
Manager of Engineering	1
Professional Level Associate	2
Professional Level Trainee	1
Project Engineers 2	1
Project Manager	5
Senior Engineering Drafter	1
Senior Project Managers	6
Strategic Sourcing Spec	1
Utility Maintainer 1	7
Total	45

Capital Budget

Capital Improvement Program - Combined

Program – CEM Vehicles & Equipment

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,850,000	C-99F25	2130

Description

This program consists of replacement and/or upgrades to the District's transportation and power operated equipment fleet and related/associated components. These vehicles, equipment and related/ associated components are intended to extend and enhance the capacity and capabilities of the District personnel provided by, but not limited to, District technicians, mechanics, operating and engineering staff. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To maintain and upgrade the District's fleet and equipment.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$3,850,000 is hereby appropriated for the replacement of and/or upgrades to the District's transportation and power operated equipment fleet and related components. The appropriation may also be expended for vehicles, equipment, materials, professional fees, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Combined

Program – CEM Generators

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$550,000	C-99G25	2130

Description

To replace a variety of generators to support the District's pump stations. These generators and related associated components are intended to replace aging generators, that are considered no longer reliable or cost effective to maintain.

Purpose

To replace and upgrade the District's generators equipment.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$550,000 is hereby appropriated for the replacement of generators used to support the District's pump stations. The appropriation may also be expended for inspection costs, equipment, materials, professional fees, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Combined

Program – Facilities and Equipment Improvements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$920,000	C-25C01	2130

Description

Design and construction of a variety of improvements including renewal and replacements at District administrative, operational, and maintenance facilities which will address building development, structural, roofing, architectural, mechanical, electrical, plumbing, fire protection, HVAC, security, site improvements, environmental abatement, and other relevant work. The project also includes equipment upgrades. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To ensure the continued efficient and effective operation of the District's facilities and related equipment.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$920,000 is hereby appropriated for design and construction costs for a variety of improvements at District administrative, operational, and maintenance facilities which will address building development, structural, roofing, architectural, mechanical, electrical, plumbing, fire protection, HVAC, security, site improvements, environmental abatement and other relevant work. The project also includes equipment upgrades. The appropriation may also be expended for equipment, materials, professional fees, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Combined

Program – IT Infrastructure Project

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,150,000	C-25C02	2130

Description

Information Technology budget request for infrastructure according to IT Plan for Calendar Years 2025 through 2026. Project work to include but may not be limited to supporting system upgrades to the following modules or application conversions:

Hartford and Springfield Data center SAN (Storage Area Network) and server refresh, WAN (Wide Area Network) migration to SDN (Software Defined Networking), Access Switch Refresh, Outdoor and Indoor Wireless, Telecom closet refresh. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$3,150,000 is hereby appropriated for information technology infrastructure work, including supporting system upgrades to the following modules or application conversions: Hartford and Springfield Data center SAN (Storage Area Network) and server refresh, WAN (Wide Area Network) migration to SDN (Software Defined Networking), Access Switch Refresh, Outdoor and Indoor Wireless and Telecom closet refresh. The appropriation may also be expended for professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Combined

Program – IT: SAP Upgrades (Increase to C-24C01)

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,520,000	C-24C01	2130

Description

Information Technology budget request for SAP Application upgrades in accordance with the SAP Master Project Plan for Calendar Years 2025 through 2026. Project work to include but may not be limited to supporting system upgrades to the following modules or application conversions:

Assessment and Lien Program Conversion, Esri Utility Network Model, Kubra Payment Portal Upgrades and Mobile Application development, Sunsetting of Legacy SAP system, Scalable Reporting Solution, S/4 HANA Solution Evaluation for Customer Engagement, Upgraded Billing Solutions, Finance and Materials Management/Procurement (Vendor Engagement), Human Resources (HCM/Success Factors), Enterprise Asset Management (EAM), IT Technical infrastructure for S/4 HANA, Governance, Risk and Compliance (GRC), Disaster Recovery testing and Solution Manager, Defining Data Governance and Archival Strategy, OpenText Upgrades and Enhancements, and the implementation of a Tactical and Analytical Reporting solution. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

District-wide Information Technology infrastructure upgrade.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$2,520,000 is hereby appropriated for SAP application upgrades in accordance with the SAP Master Project Plan, including but not limited to, supporting system upgrades to the following modules or application conversions: Assessment and Lien Program Conversion, Esri Utility Network Model, Kubra Payment Portal Upgrades and Mobile Application development, Sunsetting of Legacy SAP system, Scalable Reporting Solution, S/4 HANA Solution Evaluation for Customer Engagement, Upgraded Billing Solutions, Finance and Materials Management/Procurement (Vendor Engagement), Human Resources (HCM/Success Factors), Enterprise Asset Management (EAM), IT Technical infrastructure for S/4 HANA, Governance, Risk and Compliance (GRC), Disaster Recovery testing and Solution Manager, Defining Data Governance and Archival Strategy, OpenText Upgrades and Enhancements, and the implementation of a Tactical and Analytical Reporting solution. The appropriation may also be expended for professional fees, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Combined

Program - Engineering Services Staffing

<u>Amount</u> \$5,975,000	<u>Funds Center</u> C1H03	<u>Fund</u> 2130
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Description

Staffing costs.

Purpose

The Engineering Services department holds responsibility for developing and designing the District's capital improvement projects. Projects include improvements to and expansion of the District's water distribution and sewer collection systems and related work on water and sewage treatment plants. For 2024, we have consolidated Technical Services Staffing (C1H05) with the Engineering Services (C1H03) department.

Future Appropriations

Future appropriation requests for this purpose are anticipated over the next four years.

Bond Language

The sum of \$5,975,000 is hereby appropriated for the engineering services department staffing for the development and design of the District's capital improvement projects, including improvements to and expansion of the District's water distribution and sewer collection systems and related work on water and sewage treatment plants. The appropriation may also be expended for professional fees, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Authorized Positions

Title	Number
Compliance Analysts	1
Construction Manager	3
Director of Engineering	1
Durational Project Engineer	1
Entry Level Engineer	1
Manager of Public Information OOC	2
Manager of Engineering	1
Professional Level Associate	1
Professional Level Trainee	2
Project Engineer 2	1
Project Manager	4
Senior Engineering Drafter	1
Senior Project Manager	6
Strategic Sourcing Specialist	<u>1</u>
Total	26

Capital Budget

Capital Improvement Program - Combined

Program – Construction Services Staffing

<u>Amount</u> \$3,566,000	<u>Funds Center</u> C1H04	<u>Fund</u> 2130
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Description

Staffing costs.

Purpose

The Construction Services department holds responsibility for construction for all the District's capital improvement projects including improvements to and expansion of the District's water distribution and sewer collection systems and related work on water and sewer treatment plants.

Future Appropriations

Future appropriation requests for this purpose are anticipated over the next four years.

Bond Language

The sum of \$3,566,000 is hereby appropriated for the construction services department staffing for the management of the District's capital improvement projects, including improvements to and expansion of the District's water distribution and sewer collection systems and related work on water and sewage treatment plants. The appropriation may also be expended for professional fees, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Authorized Positions

<u>Title</u>	<u>Number</u>
Assistant Manager of Construction	1
Construction Manager	2
Construction & Utility Services Supervisor	3
Engineering Technician 2	5
Project Manager	1
Utility Maintainer 1	<u>7</u>
Total	19

Capital Budget

Clean Water Program - Summary

The Clean Water Project Capital Budget

The Clean Water Project report was prepared in anticipation of the passage of the November 7, 2006 \$800,000,000 referendum for Clean Water Project. The expenditures planned under this Clean Water Project Fiscal Year 2007 plan have been authorized by vote of the Board on August 7, 2006. This report describes the capital projects planned for 2007 along with the administrative and management costs necessary to support their design and construction. Further action on this budget was not required as the referendum passed.

Clean Water Project Description

Hartford's original core sewer system is now 150 years old, and was built to serve 15,000 people. Today the expanded system serves almost 400,000 people. Most sewers in the surrounding communities are 50 years old – many approaching 100 years old.

Combined sewers, found primarily in Hartford, use one pipe for both wastewater and storm water, and frequently overflow with storm water. When they overflow, they either discharge raw sewage into waterways, or back up into basements and yards. It is no longer legal to construct Combine Sewers.

Modern sanitary sewers, found in suburbs outside of Hartford, use two separate pipes – one for wastewater and one for storm water. Because of their age, many sanitary sewer pipes in the area have developed cracks and breaks, which allow infiltration of rainwater. When sanitary sewers overflow, they also discharge untreated sewage into our waterways.

Sanitary sewer flow from West Harford, Bloomfield, Windsor, Newington, and Wethersfield flow into the Hartford sewer system, which overburdens the city's sewers. This situation "backs up" the sanitary sewers causing frequent overflows.

Sanitary Sewers overflow to area's brooks throughout the region: North and South Branch and Park River in Hartford; Trout Brook in West Harford; Piper Brook and School House Brook in Newington; Beaver Brook and Folly Brook in Wethersfield; Goff Brook in Rocky Hill; and, Decker Brook in Windsor.

Overflows that occur more than 50 times each year- every time it rains more than 0.1 inch- discharge raw sewage that can impact the Connecticut River water quality for 30 miles – to East Had-dam, CT.

More than 1 billion gallons of untreated wastewater overflows into area streams and waterways annually. In addition, area basements and streets get flooded with raw sewage.

The Clean Water Project utilizes several abatement approaches including: separation of combined sewers in order to remove storm water flows from the sewers; construction of sewage storage systems to prevent overflows during storm events; and additional pipe conveyance and treatment capacity. It will require a construction program of at least 15 years.

Current estimates put the project cost at an average of \$110 million per year, expended over 15 years, totaling \$1.6 billion plus future inflation.

Capital Budget

Clean Water Program – Referendum 1

Program – Clean Water Project – Referendum 1

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$800,000,000	CW1.000000.00	2300

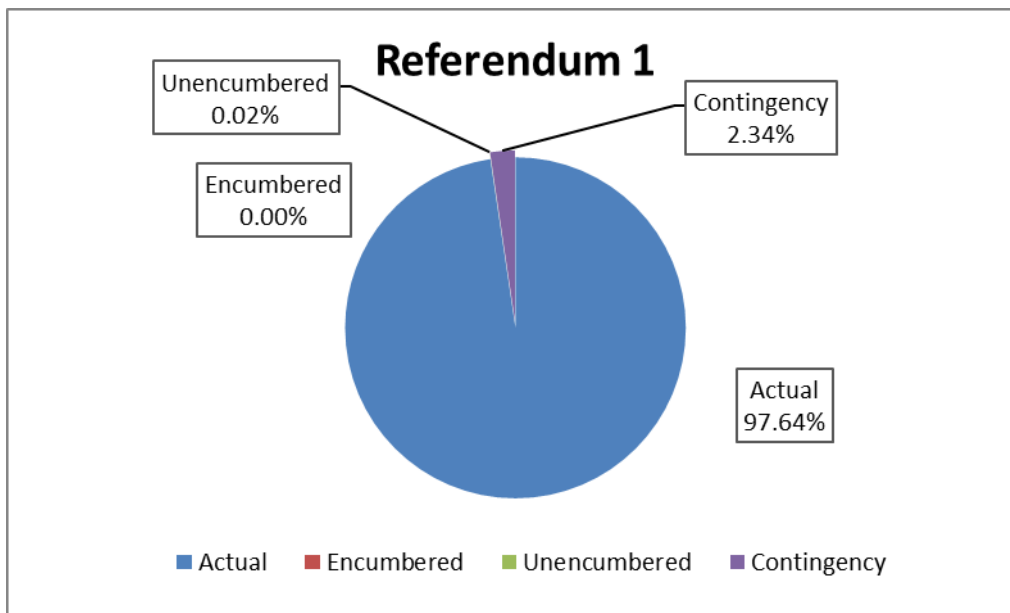
Description

The 2006 Clean Water Project Referendum Fund accounts for financial resources to be used for the first phase of the Clean Water Project, which was authorized on November 6, 2006.

Purpose

The Clean Water Project includes programs to control combined sewer overflows, eliminate structural sanitary sewer overflows, and reduce nitrogen discharges to the Connecticut River. These programs are being implemented pursuant to a Consent Order with the Connecticut Department of Energy and Environmental Protection, a Consent Decree with the United States Environmental Protection Agency, and the District’s discharge permit for nitrogen.

Referendum 1	
Actual	\$ 781,121,265.17
Encumbered	15,040.00
Unencumbered	122,849.99
Contingency	18,740,844.84
	<u>\$ 800,000,000.00</u>



Capital Budget

Clean Water Program – Referendum 1

Ongoing Projects

Project ID	Project Name	Budget	Actual	Encumbered	Rem. Budget
C-12011	2012 WH SSES	1,537,500.00	1,399,610.01	15,040.00	122,849.99
		\$1,537,500.00	\$1,399,610.01	\$15,040.00	\$ 122,849.99
	CW1.000000.00		Referendum 1 Contingency	18,740,844.84	
			Completed Projects	779,721,655.16	
			Referendum 1	\$ 800,000,000.00	

Completed Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW1.CONHOM.00	CLSD-2007 Homestead	\$ 31,044,294.80	\$ 31,044,294.80	\$ -	-
CW1.CONSBR.00	CLSD-South Branch	450,579.73	450,579.73	-	-
CW1.FSSFAR.04	CLSD-Farmington #4	658,004.15	658,004.15	-	-
CW1.FSSFAR.06	CLSD-Fmgton Proj #6	8,191,515.15	8,191,515.15	-	-
CW1.FSSFAR.1A	CLSD-Farm Ave 1A	146,013.41	146,013.41	-	-
CW1.FSSFAR.71	CLSD-Farmington #7.1	2,561,258.59	2,561,258.59	-	-
CW1.FSSFAR.72	CLSD-Farmington #7.2	3,411,661.60	3,411,661.60	-	-
CW1.FSSFAR.PD	CLSD-Farmington Ave	640,900.68	640,900.68	-	-
CW1.MGMGEO.30	CLSD-Geotechnical Se	2,066,949.91	2,066,949.91	-	-
CW1.MGMPMC.07	Clsd2007 CWP PMC	788,016.54	788,016.54	-	-
CW1.MGMPMC.08	Clsd08 CWP PMC	3,981,562.16	3,981,562.16	-	-
CW1.MGMPMC.09	CLSD-2009 CWP PMC	4,539,195.90	4,539,195.90	-	-
CW1.MGMPMC.10	CLSD-2010 CWP PMC	5,414,789.79	5,414,789.79	-	-
CW1.MGMPMC.11	CLSD-2011 CWP PMC	8,157,922.51	8,157,922.51	-	-
CW1.MGMPMC.12	CLSD-2012 CWP PMC	6,719,698.60	6,719,698.60	-	-
CW1.MGMPMC.15	CLSD-15CWP PMC / CDM	6,125,657.96	6,125,657.96	-	-
CW1.MGMPMU.07	CLSD-2007 CWP PMU	3,255,730.36	3,255,730.36	-	-
CW1.MGMPMU.08	CLSD-2008 CWP PMU	3,403,759.44	3,403,759.44	-	-
CW1.MGMPMU.09	CLSD-2009 CWP PMU	5,874,757.78	5,874,757.78	-	-
CW1.MGMPMU.10	CLSD-2010 CWP PMU	10,922,243.51	10,922,243.51	-	-
CW1.MGMPMU.11	CLSD-2011 CWP PMU	11,589,004.93	11,589,004.93	-	-
CW1.MGMPMU.12	CLSD-2012 CWP PMU	6,894,906.59	6,894,906.59	-	-
CW1.MGMPMU.13	CLSD-2013 CWP PMU	6,838,160.08	6,838,160.08	-	-
CW1.MGMPMU.14	CLSD-2014 CWP PMU	242,347.52	242,347.52	-	-
CW1.NSSGRA.01	CLSD-Granby Str	350,653.54	350,653.54	-	-
CW1.NSSGRA.02	CLSD-Granby 2&5 (Cor	32,548,599.93	32,548,599.93	-	-
CW1.NSSGRA.03	CLSD-Granby #3	759,152.57	759,152.57	-	-
CW1.NSSTOW.01	CLSD-2007 Tower Ave	7,863,944.77	7,863,944.77	-	-
CW1.NSSTOW.02	CLSD-Tower Avenue Ar	12,672,280.63	12,672,280.63	-	-
CW1.NSSTOW.1A	CLSD-2011 Tower Ave	4,427,275.10	4,427,275.10	-	-
CW1.NSSTOW.FD	CLSD-Tower Ave #1Des	157,819.00	157,819.00	-	-
CW1.NSSTOW.PD	CLSD-Tower Ave Sep	106,658.86	106,658.86	-	-
CW1.NSSUAL.01	2007 CWP Albany Ave	23,128,719.41	23,128,719.41	-	-
CW1.NSSUAL.02	CLSD-Upper Albany #2	1,189,367.10	1,189,367.10	-	-
CW1.NSSUAL.03	CLSD-Upper Albany #3	777,979.08	777,979.08	-	-
CW1.NSSUAL.07	CLSD-Route 44 Storm	898,400.75	898,400.75	-	-
CW1.NSSUAL.08	CLSD-Garden St	6,893,628.16	6,893,628.16	-	-
CW1.NSSUAL.E3	CLSD-Burton St. Sew	8,605,787.57	8,605,787.57	-	-
CW1.NSSUAL.E5	CLSD-Albany Edgewood	3,494,428.99	3,494,428.99	-	-
CW1.NSSUAL.PD	CLSD-Upper Albany	680,471.26	680,471.26	-	-
CW1.SSOGEN.07	CLSD-2007 CW SSO	13,583,866.10	13,583,866.10	-	-
CW1.SSOGEN.08	CLSD-2008 C W SO	7,690,639.29	7,690,639.29	-	-
CW1.SSOGEN.11	CLSD-SSO Pilot Study	3,333,591.26	3,333,591.26	-	-
CW1.SSONWT.01	CLSD-2012 SSO-Nwgton	3,409,832.12	3,409,832.12	-	-
CW1.SSONWT.02	CLSD-2012 Newinton	6,080,408.08	6,080,408.08	-	-
CW1.SSONWT.06	CLSD-2012 Ntn Church	4,226,592.60	4,226,592.60	-	-

Capital Budget

Clean Water Program – Referendum 1

CW1.SSOWHA.01	CLSD-2012 WHartford	1,577,096.29	1,577,096.29	-	-
CW1.SSOWHA.02	CLSD-2012 SSO Pilot	2,047,087.39	2,047,087.39	-	-
CW1.SSOWHA.04	CLSD-2012 Four Mile	2,689,904.58	2,689,904.58	-	-
CW1.SSOWHA.06	CLSD-2014 Greenhurst	131,925.19	131,925.19	-	-
CW1.SSOWND.01	CLSD-2012 SSO-Wdsr	2,669,498.47	2,669,498.47	-	-
CW1.SSOWND.03	2015 NM-1 Gate Struc	224,714.01	224,714.01	-	-
CW1.SSOWTH.01	CLSD-2011 SSO-Wtflld	4,204,575.71	4,204,575.71	-	-
CW1.SSOWTH.02	2012 RH/Weth. SSES	8,118,002.04	8,118,002.04	-	-
CW1.SSOWTH.03	CLSD-2012 SSO Pilot	2,286,152.78	2,286,152.78	-	-
CW1.SSOWTH.07	CLSD-2012 SSO Exe Sq	125,813.20	125,813.20	-	-
CW1.SSOWTH.08	CLSD- 12 FOLLY BROOK	1,282,440.20	1,282,440.20	-	-
CW1.SSOWTH.10	2014 SSES Rocky Hill	9,469,907.54	9,469,907.54	-	-
CW1.SSSFRA.01	CLSD-Franklin #1- B	1,496,150.82	1,496,150.82	-	-
CW1.SSSFRA.02	CLSD-FranklinAve #7	75,512.19	75,512.19	-	-
CW1.SSSFRA.04	CLSD-Frankln #4 - D	2,134,263.04	2,134,263.04	-	-
CW1.SSSFRA.11	CLSD-Franklin11-Pk A	319,978.07	319,978.07	-	-
CW1.SSSFRA.12	CLSD-Franklin #12 -D	1,556,006.57	1,556,006.57	-	-
CW1.SSSFRA.13	Franklin Proj #13-B	39,696,418.85	39,696,418.85	-	-
CW1.SSSFRA.15	Airport Rd PS F.M.	5,044,260.37	5,044,260.37	-	-
CW1.SSSFRA.16	CLSD- Building Dis 1	543,137.15	543,137.15	-	-
CW1.SSSFRA.17	CLSD-Building Dis 2	400,481.70	400,481.70	-	-
CW1.SSSFRA.18	CLSD-Building Dis 3	316,932.80	316,932.80	-	-
CW1.SSSFRA.1A	CLSD-Franklin Ave- D	804,840.39	804,840.39	-	-
CW1.SSSFRA.4D	Franklin Proj #5-D	31,622,890.67	31,622,890.67	-	-
CW1.SSSFRA.PD	CLSD-Franklin Ave PD	2,032,185.44	2,032,185.44	-	-
CW1.SSSPAR.01	CLSD-Park River #1	580,483.36	580,483.36	-	-
CW1.SSSPAR.03	CLSD-Park River #3	904,041.42	904,041.42	-	-
CW1.SSSPAR.06	CLSD-Green Capital	983,689.36	983,689.36	-	-
CW1.SSSPAR.07	CLSD-Retreat Avenue	9,331,401.93	9,331,401.93	-	-
CW1.SSSPAR.PD	CLSD-Park River Sep	683,914.79	683,914.79	-	-
CW1.WTFHAR.01	CLSD-HWPCF Master	9,736,407.51	9,736,407.51	-	-
CW1.WTFHAR.08	CLSD-Incin #3 Rehab	43,055,158.32	43,055,158.32	-	-
CW1.WTFHAR.10	CLSD-HWPCF SCADA	854,591.82	854,591.82	-	-
CW1.WTFHAR.11	CLSD-UV Disinfection	19,105,159.61	19,105,159.61	-	-
CW1.WTFHAR.12	CLSD-Compost Bldg	1,112,844.65	1,112,844.65	-	-
CW1.WTFHAR.13	CLSD-Aeration Settle	39,458,279.26	39,458,279.26	-	-
CW1.WTFHAR.14	ASH HAND & MERCURY	14,117,939.49	14,117,939.49	-	-
CW1.WTFHAR.16	CLSD-BNR Phase II	35,419,750.97	35,419,750.97	-	-
CW1.WTFHAR.17	CLSD-2011 Solids Hlg	779,406.04	779,406.04	-	-
CW1.WTFHAR.E1	Clsd07 CWP HWPCF PHI	5,200,006.71	5,200,006.71	-	-
CW1.WTFRKH.03	CLSD-Rocky Hill	261,359.38	261,359.38	-	-
CW1.NSSTOW.02	2010 Tower Ave South	10,000.00	10,000.00	-	-
CW1.SSONWT.07	2012 Cedar Newington	3,937,769.30	3,937,769.30	-	-
CW1.SSORKH.07	2012 RH Interceptor	32,862,055.42	32,862,055.42	-	-
CW1.SSOGEN.13	2013 SSO Elimination	1,604,178.02	1,604,178.02	-	-
CW1.SSSPAR.11	2013 Green Infrastructure	605,082.99	605,082.99	-	-
CW1.WTFHAR.20	2013 WWEP #2012-20	90,168,900.86	90,168,900.86	-	-
CW1.WTFHAR.18	2011 Wet Weather Expenses	31,494,239.87	31,494,239.87	-	-
CW1.CONSB.03	2015 Kane Brook Dsn	1,157,311.77	1,157,311.77	-	-
CW1.TUNSTH.00	2015 South CSO Convey Tunnel	38,628,478.99	38,628,478.99	-	-
		\$ 779,721,655.16	\$ 779,721,655.16	\$ -	\$ -

Capital Budget

Clean Water Program – Referendum 2

Program – Clean Water Project – Referendum 2

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,026,213,015	CW2.000000.00	2400

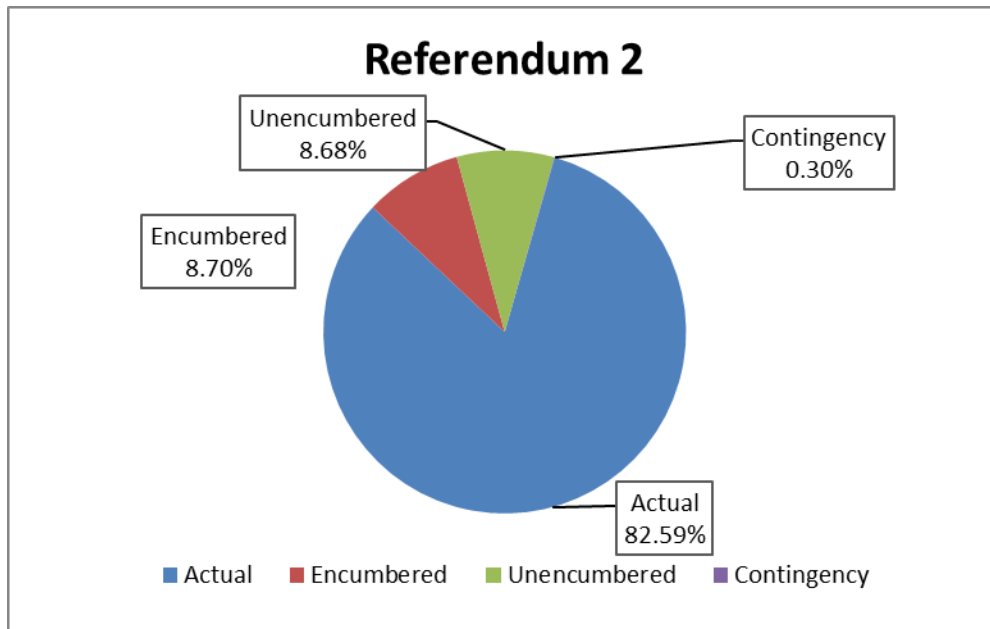
Description

The 2012 Clean Water Project Referendum Fund accounts for financial resources to be used for the first phase of the Clean Water Project, which was authorized on November 6, 2012.

Purpose

The Clean Water Project includes programs to control combined sewer overflows, eliminate structural sanitary sewer overflows, and reduce nitrogen discharges to the Connecticut River. These programs are being implemented pursuant to a Consent Order with the Connecticut Department of Energy and Environmental Protection, a Consent Decree with the United States Environmental Protection Agency, and the District's discharge permit for nitrogen.

Referendum 2	
Actual	\$ 847,499,981.27
Encumbered	89,313,060.00
Unencumbered	89,052,322.00
Contingency	347,652.25
	<u><u>\$1,026,213,015.52</u></u>



Capital Budget

Clean Water Program – Referendum 2

Ongoing Projects

Project ID	Project Name	Budget	Actual	Encumbered	Rem. Budget
C-15027	2015 NNBI Rel/Oxfor	\$ 2,500,000	\$ 2,157,313	\$ 42,934	\$ 299,753
C-15034	2015 SHCST	44,029,125	42,807,042	455,078	767,005
C-15035	2015 SHCST Construction	398,495,845	25,793,755	3,774,111	68,927,979
C-15036	2015 SHCST Pump Station	141,320,000	84,440,283	51,327,346	5,552,371
C-24R01	West Hartford SSES	42,350,000	2,682,440	33,713,591	5,953,969
C-4A02	Clean Water Fund 2012 II	7,551,245	-	-	7,551,245
		\$ 636,246,215	\$ 457,880,833	\$ 89,313,060	\$ 89,052,322
CW22.000000.00		Referendum 2 Contingency	\$	347,652.25	
		Completed Projects		389,619,148.27	
		Referendum 2	\$	1,026,213,15.52	

THE METROPOLITAN DISTRICT NOTES TO FINANCIAL STATEMENTS

Referendum Requirements

Generally speaking, appropriations for the cost of large projects must be approved by referendum vote of the electors of the Member Municipalities. Effective October 1, 2015, Public Act No. 15-114 excludes from the referendum requirement appropriations funded by Federal or State grants. An \$800 million appropriation for the Clean Water Project was approved at referendum on November 7, 2006. An appropriation for an additional \$800 million for the Clean Water Project was approved at referendum on November 6, 2012. An appropriation of \$140 million for a grant, not requiring a referendum, was approved by the District Board on October 5, 2016. Another appropriation of \$18.8 million for a grant not requiring a referendum was approved by the District Board on September 2, 2020. The District expects to appropriate further funds for the Clean Water Project without a referendum for portions paid for by State grants.

The District expects that the treatment plant work and the South Tunnel and related improvements will be completed within existing appropriations, assuming the ongoing South Tunnel work proceeds within contemplated cost estimates and that expected grants are received. Some portion of the Integrated Plan work in the resubmitted LTCP may be undertaken within existing appropriations if future grants are received for eligible projects. Full compliance with the resubmitted LTCP will likely require submission of one or more further appropriations for approval by electors at referendum. The District has made no determination as to when an additional referendum will be held.

The District cannot give any assurances as to when the Clean Water Project will be completed or its total cost as it is highly dependent on the availability of grants and loans from the State.

The District has issued, to date, \$271.075 million in Clean Water Project Revenue Bonds, \$252.350 million of which were outstanding as of December 31, 2020. The Clean Water Project Revenue Bonds are being repaid from a portion of the Clean Water Project Charge (previously the Special Sewer Service Surcharge) and are not general obligations of the District.

Capital Budget

Clean Water Program – Referendum 2

Completed Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW2.MGMCWP.13	2013 CWP Admin	\$ 505,030.18	\$ 505,030.18	-	\$ -
CW2.MGMCWP.14	2014 CWP Admin.	10,955,011.23	10,955,011.23	-	-
CW2.MGMCWP.16	2016 CWP Admin	10,471,683.85	10,471,683.85	-	-
CW2.MGMCWP.17	2017 CWP Admin	9,441,000.00	9,441,000.00	-	-
CW2.MGMPMC.16	2016 CWP PMC/CD	3,830,829.76	3,830,829.76	-	-
	2018 cwp admin	9,299,931.25	9,299,931.25	-	-
	2019 cwp admin	8,291,000.00	8,291,000.00	-	-
	2017 cwp pmc/cdm	6,260,164.75	6,260,164.75	-	-
	2018 cwp pmc/cdm	3,974,506.30	3,974,506.30	-	-
	2019 cwp pmc/cdm	2,674,507.63	2,674,507.63	-	-
CW2.SSSPAR.10	2014 PRICRIGrit	40,684.88	40,684.88	-	-
CW2.WTFHAR.24	2013 231 BRNRD	10,421,490.76	10,421,490.76	-	-
CW2.MGMPMC.13	2013 CWP PMC	7,895,855.33	7,895,855.33	-	-
CW2.CSOGEN.16	2016 LTCP Flow Metering	1,531,681.76	1,531,681.76	-	-
CW2.MGMCWP.15	2015 CWP Admin	11,269,060.17	11,269,060.17	-	-
CW2.MGMPMC.14	2014 CWP PMC / CDM SMITH	6,914,745.94	6,914,745.94	-	-
CW2.NSSUAL.09	2014 Gully Brook Conduit Connections	425,239.63	425,239.63	-	-
CW2.SSOWHA.06	2015 Greenhurst Rd Area Sanitary Swr Imp	5,285,027.58	5,285,027.58	-	-
CW2.TUNSTH.01	2015 SHCST Utility Relocation	2,606,344.15	2,606,344.15	-	-
CW2.WTFRKH.04	2013 RHPCF Cap & Up	57,616,907.66	57,616,907.66	-	-
CW2.CSOGEN.17	2015 Large Diameter Clean	5,146,489.08	5,146,489.08	-	-
CW2.SSOGEN.16	2015 CMOM Plan Updates	85,515.92	85,515.92	-	-
CW2.WTFHAR.25	2016 Ash Lagoon Cl.	123,883.27	123,883.27	-	-
CW2.WTFRKH.05	2016 RHWPCF Outfall	3,869,454.64	3,869,454.64	-	-
CW2.CSOGRA.05	2017 North Branch PR	709,818.89	709,818.89	-	-
CW2.SSSPAR.13	2016 BARTHOLOMEW AVENUE	83,699.01	83,699.01	-	-
CW2.WTFHAR.21	2014 WWEP #2012-21	181,897,496.02	181,897,496.02	-	-
CW2.TUNSTH.04	2015 SHCST	50,000.00	50,000.00	-	-
CW2.NSSGRA.04	2016 Bloomfield SSES	892,702.18	892,702.18	-	-
C-4A02	PMC 2022	3,829,807.28	3,829,807.28	-	-
C-4A02	PMC 2021	3,790,130.92	3,790,130.92	-	-
C-4A02	PMC 2020	3,618,124.65	3,618,124.65	-	-
C-4A02	PMC 2019	1,229,323.60	1,229,323.60	-	-
C-4A02	PMU Overhead 2020	8,291,000.00	8,291,000.00	-	-
C-4A02	PMU Overhead 2021	6,291,000.00	6,291,000.00	-	-
		\$ 389,619,148.27	\$ 389,619,148.27	\$ -	\$ -

Integrated Plan

Capital Budget

Integrated Plan – Summary

The following is a list of the recommended Integrated Plan programs and projects to be funded through the MDC’s 2025 Integrated Plan budget. Each is considered to be a separate undertaking in accordance with Section 3-11 of the Charter of the Metropolitan District.

Integrated Plan			
28	C-25X01	Program Management Consultant/General Purpose IP	\$7,900,000
29	C-25X02	LTCP/IP Sewer Separation Drainage Study	\$4,500,000
30	C-25X03	Sewer Backup Prevention Program - District-wide	\$7,000,000
31	C-25X04	Sewer House Connection/Separation Program - District-wide	\$2,000,000
32	C-25X05	Various Sewer Pipe Replacement/Rehabilitations - District wide	\$19,900,000
33	C-25X06	Sanitary Sewer Easement Improvement Program	\$2,400,000
34	C-25X07	Easement Sewer Rehabilitation Program Phase 2	\$18,000,000
35	C-25X08	CSO/SSO System Infrastructure Upgrades	\$3,000,000
36	C-24X10	Windsor St. Sewer Separation (Increase to C-24X10)	\$7,900,000
37	C-23X15	Sewer & Lateral Rehabilitation in North Meadows Drainage Area (NM 5/6/7) (Increase to C-23X15)	\$3,000,000
38	C1X01	Integrated Plan Staffing	\$6,484,000
Integrated Plan Total			\$82,084,000

The following positions are included in the Integrated Plan:

Authorized Positions

Title	Number
Assistant Manager of Engineering	1
Command Center Utility Services Admin	1
Construction & Utilities Services Supervisors	3
Construction Managers	4
Engineering Technicians 2	6
Engineering Technicians 3	1
Manager of Construction & Inspection Services	1
Professional Level Associate	1
Project Control Manager	1
Project Manager	4
Senior Clerk	1
Senior Project Managers	2
Senior Engineering Technician	1
Senior Project Manager (Utility Services)	1
Utility Services Engineering Technician	2
Total	30

Capital Budget

Integrated Plan - Appropriations

Program – Program Management Consultant/General Purpose IP

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$7,900,000	C-25X01	2600

Description

To satisfy the Program Management Consultant requirement for Consent Order Compliance. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead. This program will also include other various costs associated with the Implementation of the Integrated Plan, as required to comply with the Consent Order or Consent Decree. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To conform with Consent Order Compliance.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$7,900,000 is hereby appropriated for project management consultants and costs associated with the implementation of the Integrated Plan as required to comply with the Consent Order or Consent Decree, including legal fees, financing costs, professional fees, interest expense on temporary borrowings, and other costs related to the project. District resources and outside resources may be utilized for the project. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – LTCP/IP Sewer Separation Drainage Study

Amount
\$4,500,000

Project #
C-25X02

Fund
2600

Description

Completion of design of District-wide Sewer Separation Related Drainage Study in preparation for Consent Order required update of the CSO LTCP/IP which is due in 2028. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To conform with Consent Order Compliance.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$4,500,000 is hereby appropriated for the completion of the District-wide Sewer Separation Related Drainage Study which is to be completed in advance of the next CSO LTCP/IP update. The appropriation may also be expended for professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – Sewer Backup Prevention Program – District-wide

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$7,000,000	C-25X03	2600

Description

This Program will include the inspection of private property sewer laterals in order to identify defects and/or infiltration sources District-wide. The program will also include the Installation and or replacement of laterals, backwater valves, and/or additional work required to remove private inflow sources as needed to protect customers from sewer surcharging. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To inspect private property sewer laterals in order to identify defects and/or infiltration sources District-wide

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$7,000,000 is hereby appropriated for the inspection of private property sewer laterals in order to identify defects and/or infiltration sources throughout the District. The program will also include the installation and/or replacement of laterals, backwater valves, and/or additional work required to remove private inflow sources and other protection measures as needed to protect customers from sewer surcharging. The appropriation may also be expended for design, construction and inspection costs, engineering and professional fees, the installation of new laterals, plumbing improvements, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – Sewer House Connection/Separation Program – District-wide

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	C-25X04	2600

Description

This Program will include the replacement and or rehabilitation of private property sewer laterals as identified by the private property inspection; as required to protect customers from sewer backups. This program may also include installation of new laterals or other plumbing improvements as necessary to complete sewer separation work District-wide. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To replace or rehabilitate private property sewer laterals as identified by laterals inspections District-wide.

Future Appropriations

Future appropriation requests for additional projects are anticipated for the next four years.

Bond Language

The sum of \$2,000,000 is hereby appropriated for the Sewer House Connection/Separation Program, including the replacement and/or rehabilitation of private property sewer laterals as identified by the private property inspection; as required to protect customers from sewer backups. The appropriation may also be expended for design, construction and inspection costs, engineering and professional fees, the installation of new laterals, plumbing improvements, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – Various Sewer Pipe Replacement/Rehabilitations - District-wide

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
19,900,000	C-25X05	2600

Description

Design and construction of sewer system repairs, replacements and rehabilitation measures as a result of aging and deteriorating infrastructure located District-wide. The replacement, rehabilitation and or upgrade of District equipment. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate, upgrade or replace aging sewer pipelines and structures.

Future Appropriations

Future appropriation requests for additional projects are anticipated for the next four years.

Bond Language

The sum of \$19,900,000 is hereby appropriated for the design and construction of sewer system repairs, replacements and rehabilitation measures District-wide. The appropriation may also be expended for inspection costs, engineering and professional fees, materials, upgrades to District equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – Sanitary Sewer Easement Improvement Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,400,000	C-25X06	2600

Description

Planning, design and construction for the improvements to existing District Sanitary Sewer Easements. Improvements may include, but not limited to clearing, cutting, or other improvements as required to maintain or improve access to existing sanitary sewer infrastructure within easements as required by the District's Consent Decree. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate aging pipelines and structures within recently cleared District sewer easement areas.

Future Appropriations

Future appropriation requests for additional projects are anticipated for the next four years.

Bond Language

The sum of \$2,400,000 is hereby appropriated for the Sanitary Sewer Easement Improvements Program, including planning, design and construction costs for the improvements to existing District sanitary sewer easements. Improvements may include, but not be limited to, clearing, cutting, or other improvements as required to maintain or improve access to existing sanitary sewer infrastructure within easements as required by the District's Consent Decree. The appropriation may also be expended for inspection costs, engineering and professional fees, materials, upgrades to District equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – Easement Sewer Rehabilitation Program Phase 2

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$18,000,000	C-25X07	2600

Description

Rehabilitation of sewer mains within recently cleared MDC Easements (cross country) areas. This project will reduce CSO & SSOs in the collection system, via I/I reduction and removal of debris. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate aging pipelines and structures within recently cleared District sewer easement areas.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$18,000,000 is hereby appropriated for Phase 2 of the Easement Sewer Rehabilitation Program, including the repair of rehabilitation of sewer mains located within existing sanitary sewer easements. The appropriation may also be expended for design, construction and inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – CSO/SSO System Infrastructure Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	C-25X08	2600

Description

Design, replacement and installation of new CSO & SSO system infrastructure, such as flow meters, rain gauges and auxiliary equipment. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To replace aging metering infrastructure as required for regulatory compliance and to support upcoming CSO LTCP/IP Update.

Future Appropriations

Future appropriation requests for additional projects are anticipated over the next four years.

Bond Language

The sum of \$3,000,000 is hereby appropriated for CSO/SSO System Infrastructure Upgrades, including the design, replacement and installation of flow meters, rain gauges and auxiliary equipment. The appropriation may also be expended for planning and construction costs, inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – Windsor St. Sewer Separation (Increase to C-24X10)

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$7,900,000	C-24X10	2600

Description

Design and construction of the rehabilitation of existing combined sewers and laterals; installation of new sanitary and/or storm sewers and laterals located on Main Street and Windsor Street in Hartford, and other adjacent streets, upstream of CSOs NM-5, NM-6, and NM-7 as necessary to complete sewer separation work. Work being completed in accordance with the Combined Sewer Overflow Long Term Control Plan/Integrated Plan as a way to reduce Combined Sewer Overflow volumes through Inflow and Infiltration Removals and may include costs associated with relocation of adjacent utilities. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To eliminate and reduce inflow and infiltration in North Hartford in the vicinity of CSOs NM-5, NM-6 and NM-7 in North Hartford.

Future Appropriations

No additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$7,900,000 is hereby appropriated for design and construction costs related to the rehabilitation of existing combined sewers and laterals on Windsor Street in Hartford, including the installation of new sanitary and/or storm sewers and laterals located on Main Street and Windsor Street in Hartford, and other adjacent streets, upstream of CSOs NM-5, NM-6, and NM-7 as necessary to complete sewer separation work. The project is being completed in accordance with the Combined Sewer Overflow Long Term Control Plan/Integrated Plan as a way to reduce Combined Sewer Overflow volumes through Inflow and Infiltration Removals and may include costs associated with relocation of adjacent utilities. The appropriation may also be expended for inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – Sewer & Lateral Rehabilitation in North Meadows Drainage Area (NM 5/6/7) (Increase to C-23X15)

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	C-23X15	2600

Description

Design and construction of sewer and laterals within the North Meadows Drainage area in the vicinity of the Combined Sewer Overflows NM-5, NM-6, and NM-7. This Project will include repairs, replacements and rehabilitation measures as a result of aging and deteriorating infrastructure. Work being completed in accordance with the Combined Sewer Overflow Long Term Control Plan/Integrated Plan as a way to reduce Combined Sewer Overflow volumes through Inflow and Infiltration Removals. Consultant, contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate, upgrade or replace aging sewer pipelines, laterals and structures within the North Meadows Drainage area in the vicinity of CSOs NM-5, NM-6 and NM-7 in North Hartford.

Future Appropriations

No additional appropriation requests for this Project are anticipated over the next four years.

Bond Language

The sum of \$3,000,000 is hereby appropriated for the design and construction to repair and/or rehabilitation of sewer and laterals within the North Meadows Drainage area in the vicinity of the Combined Sewer Overflows NM-5, NM-6 and NM-7. This project will include repairs, replacements and rehabilitation measures as a result of aging and deteriorating infrastructure. The work is being completed in accordance with the Combined Sewer Overflow Long Term Control Plan/Integrated Plan as a way to reduce Combined Sewer Overflow volumes through Inflow and Infiltration Removals. The appropriation may also be expended for inspection costs, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources and outside resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan - Appropriations

Program – Integrated Plan Staffing

Amount
\$6,484,000

Funds Center
C1X01

Fund
2600

Description

Staffing costs.

Purpose

The Integrated Plan department holds responsibility for reducing the District's Combined Sewer Overflow volumes through Inflow and Infiltration Removals as required to comply with the Consent Decree.

Future Appropriations

Future appropriation requests for this purpose are anticipated over the next four years.

Bond Language

The sum of \$6,484,000 is hereby appropriated for integrated plan department staffing for implementation of the Integrated Plan as required to comply with the Consent Order or Consent Decree, including repairs, replacements and rehabilitation measures as a result of aging and deteriorating infrastructure to reduce sewer overflow volumes through inflow and infiltration removals. The appropriation may also be expended for professional fees, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Authorized Positions

<u>Title</u>	<u>Number</u>
Assistant Manager of Engineering	1
Command Center Utility Services Admin	1
Construction & Utility Services Supervisor	3
Construction Manager	4
Engineering Technicians 2	6
Engineering Technicians 3	1
Manager of Construction & Inspection Services	1
Professional Level Associate	1
Project Control Manager	1
Project Manager	4
Senior Clerk	1
Senior Project Manager	2
Senior Engineering Technician	1
Senior Project Manager	1
Utility Services Engineering Technician	<u>2</u>
Total	30