

2023 Adopted Capital Improvement Budget



The Metropolitan District
Hartford, CT

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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. Asset management programs have been developed to maximize the effectiveness and useful life of our facilities.

Funding Sources

The District's 2023 capital expenditures budget is divided into 3 categories: Capital Improvement Program (CIP), Clean Water Program, and the Integrated Plan. 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 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.

Funding Sources: Water projects are funded by General Obligation Bonds and 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

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

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.

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; as well as grants authorized by the by the United States EPA. 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 \$24,908,434 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

2023 Budget Appropriations

The Metropolitan District's Capital Program budget for 2023 totals \$144,573,750 as reflected in the following summary. Wastewater programs total \$36,108,000; water programs total \$41,883,000; combined programs total \$18,292,500; hydro program total \$2,000,250; Integrated Plan total \$46,290,000.

<u>Wastewater</u>	
General Purpose Sewer	\$ 5,000,000
<i>Wastewater Collection</i>	
Various Small Pump Station Rehabilitation	2,000,000
Island Road Pump Station Rehabilitation	378,000
Paving Program & Restoration	2,100,000
Sanitary Sewer Easement Program	1,700,000
<i>Wastewater Treatment</i>	
WPC Facilities Infrastructure Rehab., Upgrades & Replacement	7,500,000
Hartford Water Pollution Control Facility Secondary Electric Upgrades	4,305,000
Rocky Hill Water Pollution Control Facility Preliminary and Electrical Upgrades	13,125,000
<i>Wastewater Total</i>	\$ 36,108,000

<u>Water</u>	
General Purpose Water	\$ 4,000,000
<i>Water Distribution</i>	
WTP Infrastructure Rehabilitation, Upgrades & Replacement	4,500,000
Advanced Meter Reading Program	800,000
East Hartford Water Main Replacements	8,570,000
Water Main Materials	3,000,000
Paving Program & Restoration	5,250,000
Raw Water Treatment/Transmission Improvements	1,000,000
Levee Protection - Water	263,000
District-wide Water Main Replacement Program	14,500,000
<i>Water Total</i>	\$ 41,883,000

Capital Budget

Summary

<u>Combined</u>	
IT Infrastructure Project	\$ 2,100,000
CEM Fleet	3,040,000
CEM Generators	267,500
Facilities	1,050,000
Engineering Services Staffing	3,645,000
Construction Services Staffing	3,830,000
Technical Services Staffing	4,360,000
<i>Combined Total</i>	\$ 18,292,500

<u>Hydro Rehabilitation</u>	
Goodwin Hydroelectric Controls Upgrade Project	\$ 2,000,250
<i>Hydro Total</i>	\$ 2,000,250

<u>Integrated Plan</u>	
Various Sewer Pipe Replacement/Rehabilitations - District-wide	\$ 8,925,000
Large Diameter Sewer Rehabilitation Program	16,170,000
Sewer Collection Gates	5,025,000
Newington 18 &19 Sewershed Inflow/Infiltration Reduction	945,000
Rocky Hill -2A/B Sewershed Inflow/Infiltration Reduction	1,200,000
I-4 (N-30)	200,000
North Branch Park River Drainage Study/Separation	1,000,000
Granby 7 Sewer Separation	1,800,000
Program Management Consultant	4,000,000
Wethersfield Cove Drop Shaft Connections - Phases 1 & 2	525,000
Hartford Water Pollution Control Facility - Sludge Equalization Facility	5,000,000
Private Property Inflow Disconnect/Back Water Valve Program	1,500,000
<i>Integrated Plan Total</i>	\$ 46,290,000
<i>Total 2023 Capital Budget Appropriations</i>	
	\$ 144,573,750

Capital Budget

Summary Staffing

Expenditure Classification	2021 Adopted	2022 Adopted	2023 Adopted	YoY Variance
<i>Summary by Program</i>				
Inspection Services	3,800,000	2,500,000	-	(2,500,000)
Engineering Services	4,000,000	4,800,000	3,645,000	(1,155,000)
Construction Services	2,000,000	2,000,000	3,830,000	1,830,000
Technical Services	4,500,000	5,000,000	4,360,000	(640,000)
<i>Total</i>	14,300,000	14,300,000	11,835,000	(2,465,000)
<i>Summary by Major Object</i>				
Payroll				
Regular Pay	6,586,500	6,206,100	5,967,890	(238,210)
Overtime 100%	-	-	-	-
Overtime 150%	138,470	200,000	200,000	-
Overtime 200%	-	-	-	-
Temporary Help	-	-	-	-
Standby & Premium Pay	1,880	2,000	2,000	-
Longevity Pay	18,150	16,400	15,500	(900)
<i>Total Payroll</i>	6,745,000	6,424,500	6,185,390	(239,110)
Medical Services	2,517,000	2,287,000	1,143,400	(1,143,600)
Medicare Part B	99,000	93,400	89,688	(3,712)
OPEB Trust Contribution	1,477,000	1,452,000	1,435,000	(17,000)
Pension Contribution	1,292,000	1,239,000	1,224,000	(15,000)
Social Security	409,800	388,900	377,074	(11,826)
Clothing Allowance	9,000	7,000	11,000	4,000
Mileage Allowance	1,000	3,000	3,000	-
<i>Total Other</i>	5,804,800	5,470,300	4,283,162	
Contingency	1,750,200	2,405,200	1,366,448	(1,038,752)
<i>Total Summary</i>	14,300,000	14,300,000	11,835,000	(2,465,000)
<i>Authorized Positions</i>				
Inspection Services	13	8	-	(8)
Engineering Services	15	15	11	(4)
Construction Services	6	5	16	11
Technical Services	19	19	14	(5)
<i>Total Authorized Positions</i>	53	47	41	(6)

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 initiate projects for our Integrated Plan during 2023.

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 most recently submitted in May 2020, with LTCP/IP Phase 1 plans submitted in February 2021. Phase 1 represents projects to be completed prior to December 31, 2029. The LTCP/IP was formally approved in September 2022 via the execution of Consent Order COWRMU22002, which supersedes the 2006 Consent Order. The Five-Year Integrated Plan has been modified to reflect this approval.

Capital Budget

Summary

Wastewater	2023	2024	2025	2026	2027
General Purpose Sewer	\$ 5,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000
Various Small Pump Station Rehabilitation	2,000,000	-	2,000,000	-	2,000,000
Island Road Pump Station Rehabilitation	378,000	625,000	-	-	-
Paving Program & Restoration	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000
Sanitary Sewer Easement Program	1,700,000	3,000,000	3,000,000	-	-
WPC Facilities Infrastructure Rehab., Upgrades & Repl.	7,500,000	5,000,000	5,000,000	5,000,000	5,000,000
Hartford WPC Secondary Electric Upgrades	4,305,000	-	-	-	-
Rocky Hill WPC Prelim. and Electrical Upgrades	13,125,000	-	-	-	-
Poquonock WPC Facility Biological Nitrogen Removal	-	12,500,000	-	-	-
HWPCF Sludge Screen	-	5,600,000	-	-	-
Wastewater Total	\$ 36,108,000	\$ 31,825,000	\$ 15,100,000	\$ 10,100,000	\$ 12,100,000

Water	2023	2024	2025	2026	2027
General Purpose Water	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000
WTP Infrastructure Rehab., Upgrades & Repl.	4,500,000	600,000	600,000	600,000	600,000
Advanced Meter Reading Program	800,000	1,600,000	1,600,000	1,600,000	1,600,000
East Hartford Water Main Replacements	8,570,000	-	-	-	-
Water Main Materials	3,000,000	5,000,000	5,000,000	5,000,000	5,000,000
Paving Program & Restoration	5,250,000	5,250,000	5,250,000	5,250,000	5,250,000
Raw Water Treatment/Transmission Improvements	1,000,000	-	5,000,000	-	-
Levee Protection - Water	263,000	-	-	-	-
District-wide Water Main Replacement Program	14,500,000	-	9,000,000	-	9,000,000
Silas Deane Highway Water Main Replacement	-	14,400,000	-	-	-
Water Main Replacements	-	8,000,000	8,000,000	8,000,000	8,000,000
Water Pump Station & Storage Tank Rehab.	-	1,000,000	-	3,000,000	-
Water Master Plan	-	1,000,000	2,000,000	5,000,000	3,000,000
Water Trans. & Control Valve Repl. & Rehab.	-	-	-	3,000,000	-
Water Total	\$41,883,000	\$40,850,000	\$40,450,000	\$35,450,000	\$36,450,000

Capital Budget

Summary

<u>Combined</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
IT Infrastructure Project	\$ 2,100,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
CEM Fleet	3,040,000	3,000,000	3,000,000	3,000,000	3,000,000
CEM Generators	267,500	-	-	-	-
Facilities	1,050,000	-	1,050,000	-	1,050,000
Engineering Services Staffing	3,645,000	3,645,000	3,645,000	3,645,000	3,645,000
Construction Services Staffing	3,830,000	3,830,000	3,830,000	3,830,000	3,830,000
Technical Services Staffing	4,360,000	4,360,000	4,360,000	4,360,000	4,360,000
<i>Combined Total</i>	\$18,292,500	\$15,835,000	\$16,885,000	\$15,835,000	\$16,885,000

<u>Hydro Rehabilitation</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
Goodwin Hydro Controls Upgrade	\$ 2,000,250	-	-	-	-
<i>Hydro Total</i>	\$2,000,250	-	-	-	-

Capital Budget

Summary

Integrated Plan	2023	2024	2025	2026	2027
Various Sewer Pipe Repl./Rehab. - District-wide	\$ 8,925,000	\$ 9,400,000	\$ 9,400,000	\$ 9,800,000	\$ 9,800,000
Large Diameter Sewer Rehab. Program	16,170,000	5,300,000	7,100,000	-	10,400,000
Sewer Collection Gates	5,025,000	-	-	-	-
Newington 18 & 19 Sewershed Inflow/Infiltration Reduction	945,000	4,900,000	-	-	1,000,000
Rocky Hill -2A/B Sewershed Inflow/Infiltration Reduction	1,200,000	-	6,700,000	-	-
I-4 (N-30)	200,000	-	-	-	-
North Branch Park River Drainage Study/Separation	1,000,000	-	-	-	-
Granby 7 Sewer Separation	1,800,000	-	-	18,000,000	-
Program Management Consultant	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Wethersfield Cove Drop Shaft Connections - Phases 1 & 2	525,000	20,000,000	16,300,000	35,000,000	35,000,000
HWPC Facility -Sludge Equalization	5,000,000	-	-	-	-
Private Property Inflow Disconnect/Back Water Valve Program	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
S-8 Combined Sewer Overflow Control	-	13,900,000	500,000	-	15,600,000
Easement Sewer Rehabilitation Program	-	3,300,000	-	6,600,000	-
Wethersfield Trunk Sewer	-	-	-	3,400,000	-
Homestead Avenue Interceptor	-	-	-	-	2,200,000
Integrated Plan Total	\$46,290,000	\$62,300,000	\$45,500,000	\$78,300,000	\$79,500,000

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 2023 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>	
General Purpose Sewer	\$ 5,000,000
<i>Wastewater Collection</i>	
Various Small Pump Station Rehabilitation	2,000,000
Island Road Pump Station Rehabilitation	378,000
Paving Program & Restoration	2,100,000
Sanitary Sewer Easement Program	1,700,000
<i>Wastewater Treatment</i>	
WPC Facilities Infrastructure Rehab., Upgrades & Replacement	7,500,000
Hartford Water Pollution Control Facility Secondary Electric Upgrades	4,305,000
Rocky Hill Water Pollution Control Facility Preliminary and Electrical Upgrades	13,125,000
<i>Wastewater Total</i>	\$ 36,108,000

Capital Budget

Capital Improvement Program - Sewer

Program – General Purpose Sewer

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,000,000	C-23S01	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, and renewable energy upgrades in addition to facility upgrades and site work at wastewater treatment facilities. Projects may include limited sewer work associated with related water main replacements in order to maximize efficiency. This project will also cover for replacement and/or upgrades to the District's transportation and power operated equipment fleet and related/associated components. 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 \$5,000,000 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, and renewable energy upgrades in addition to facility upgrades and site work at wastewater treatment facilities. The appropriation may also be expended for sewer replacements, design, construction and inspection costs, engineering and professional fees, materials, the replacement, rehabilitation and upgrade of District's transportation and power operated equipment fleet and related components, 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.

Capital Budget

Capital Improvement Program - Sewer

Program – Various Small Pump Station Rehabilitation

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	C-23S02	2110

Description

Design of improvements and/or construction of various equipment renewals, replacements, and rehabilitation at wastewater pump stations throughout District member towns to address various process, mechanical, structural, electrical, instrumentation and controls systems upgrades. Planned projects include installation of new pumps; replacement of process piping and valves; electrical/controls replacements and modifications; structural component replacement including aluminum grating and wet well covers. An inventory and evaluation of existing wastewater pump stations is also included. These projects are intended to extend and enhance the asset life. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To repair, rehabilitate or replace wastewater pump stations.

Future Appropriations

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

Bond Language

The sum of \$2,000,000 is hereby appropriated for the design of improvements and/or construction of various equipment renewals, replacements, and rehabilitation at wastewater pump stations throughout District member towns to address various process, mechanical, structural, electrical, instrumentation and controls systems upgrades. Planned projects include installation of new pumps, replacement of process piping and valves, electrical/controls replacements and modifications, structural component replacement including aluminum grating and wet well covers. The appropriation may also be expended for an inventory and evaluation of existing wastewater pump stations, 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – Island Road Pump Station Rehabilitation

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$378,000	C-23S03	2110

Description

The Island Road Pump Station is a custom-built walk-in pump station installed in 1958. Minimal improvements have been made since its original construction. The station needs full rehabilitation including structural, mechanical, and electrical repairs/replacements. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate the pump station that has passed its useful life.

Future Appropriations

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

Bond Language

The sum of \$378,000 is hereby appropriated for the rehabilitation of the Island Road Pump Station, including design, construction and inspection costs, structural, mechanical and electrical repairs and replacements, engineering and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the project. District 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>
\$2,100,000	C-99P23	2110

Description

Final pavement 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. District and outside forces may be utilized for this program. 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 \$2,100,000 is hereby appropriated for final pavement restoration of roads, sidewalks, driveways, parking lots and other areas disturbed by work performed on District sewer 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – Sanitary Sewer Easement Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,700,000	C-23S04	2110

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. District and outside forces may be utilized for this program. 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 two years.

Bond Language

The sum of \$1,700,000 is hereby appropriated for planning, design, and construction costs for improvements to the District's sanitary sewer easements, including costs for clearing, cutting and other improvements required to maintain or improve access to existing sanitary sewer infrastructure within easements, 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – Water Pollution Control Facilities, Infrastructure, Rehabilitations, Upgrades and Replacement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$7,500,000	C-23S05	2110

Description

Design and construction of various infrastructure renewals and replacements at the District's four water pollution control facilities(wpcf) 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. District and outside forces may be utilized for this program. District forces may be utilized for this program. The District cost may include salary, benefits, and overhead.

Purpose

To rehabilitate aging infrastructure 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 \$7,500,000 is hereby appropriated for design and construction costs related to various infrastructure renewals and replacements at the District's four water pollution control facilities to modernize existing systems including mechanical, electrical, process, instrumentation and control systems. The appropriation may also be expended for the rehabilitation of multiple water pollution control assets to improve operational readiness and reliability, safety, increase wastewater processing capabilities and add to or enhance an assets life, including 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Sewer

Program – Hartford Water Pollution Control Facilities Secondary Electric Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$4,305,000	C-23S06	2110

Description

The Secondary Electrical Upgrades project at the Hartford Water Pollution Control Facility, will replace antiquated electrical equipment with current electrical equipment that meets District standards to provide a reliable, safe and maintainable electrical system that meets current electrical codes. The replacement of this electrical equipment will upgrade the last remaining significant electrical gear that was provided with the plant upgrades completed in the early 70's. Project will include all mechanical, electrical, structural, architectural, instrumentation, and control. District and outside forces may be utilized for this project. The District cost may include salary, benefits, and overhead.

Purpose

To rehabilitate aging infrastructure in the Hartford Water Pollution Control Facility.

Future Appropriations

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

Bond Language

The sum of \$4,305,000 is hereby appropriated for secondary electrical upgrades at the Hartford Water Pollution Control Facility and the replacement of antiquated electrical equipment with current electrical equipment. The appropriation may also be expended for design, inspection and construction costs, engineering and professional fees, mechanical, electrical, structural and architectural improvements, instrumentation, materials, equipment, 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.

Capital Budget

Capital Improvement Program - Sewer

Program – Rocky Hill Water Pollution Control Facilities Preliminary and Electrical Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$13,125,000	C-23S07	2110

Description

The project includes updating the headworks facilities at the Rocky Hill Water Pollution Control Facility including but not limited to the replacement of the bar screen and grit removal equipment. Both require frequent removal of sewage debris screenings throughout each day and the bar screen remains the last District WPCF that has screenings manually removed by District staff. Both the screening and grit equipment need to be replaced as they are beyond their service life, installed during the early 70's, that require frequent maintenance with scarce replacement parts available. Correction of these issues is essential for the protection of equipment and processes following a substantial \$50 million upgrade. The project will include the installation of pre-engineered screening building and canopy to protect the new equipment and shelter operators during inclement weather. Project will include all mechanical, electrical, structural, architectural, instrumentation, and control. District forces may be utilized for a portion of this project. The District cost may include salary, benefits, and overhead.

Purpose

To update the headworks facility at the Rocky Hill Water Pollution Facility.

Future Appropriations

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

Bond Language

The sum of \$13,125,000 is hereby appropriated to update the headworks facilities at the Rocky Hill Water Pollution Control Facility, including, but not limited to, the replacement of the bar screen and grit removal equipment. The appropriation may also be expended for mechanical, electrical, structural and architectural improvements, design, inspection and construction costs, engineering and professional fees, instrumentation, materials, equipment, 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.

Funding Sources

Project is eligible for a loan under the State of Connecticut Clean Water Fund. However, funding is a condition of priority ranking and fund availability.

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 2023 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.

<u>Water</u>	
General Purpose Water	\$ 4,000,000
<i>Water Distribution</i>	
WTP Infrastructure Rehabilitation, Upgrades & Replacement	4,500,000
Advanced Meter Reading Program	800,000
East Hartford Water Main Replacements	8,570,000
Water Main Materials	3,000,000
Paving Program & Restoration	5,250,000
Raw Water Treatment/Transmission Improvements	1,000,000
Levee Protection - Water	263,000
District-wide Water Main Replacement Program	14,500,000
<i>Water Total</i>	\$ 41,883,000

Capital Budget

Capital Improvement Program - Water

Program – General Purpose Water Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$4,000,000	C-23W01	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. District and outside 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 \$4,000,000 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, including electrical, mechanical or renewable energy upgrades at District facilities, water modeling, master planning and the integration of SCADA and data collection/evaluation systems, 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Water Treatment Program Infrastructure, Rehabilitation, Upgrades and Replacements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$4,500,000	C-23W02	2120

Description

Design and construct a variety of renewal and replacements at the three Water Treatment Facilities in an effort to modernize existing systems including, but not limited to, filter underdrain systems. Multiple water treatment assets will be rehabilitated to improve treatment processes, operational reliability, and improve the safety component within all. These projects are intended to extend and enhance the asset life. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To renew and replace assets at the water treatment facilities.

Future Appropriations

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

Bond Language

The sum of \$4,500,000 is hereby appropriated for design and construction costs related to improvements and upgrades to the District's three Water Treatment Facilities, including the repair and replacement of filter underdrain systems, 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Advanced Meter Reading Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$800,000	C-99M23	2120

Description

The Advanced Meter Reading Program includes costs for all materials, equipment, technology and labor needed to replace water meters and install meter reading devices, including internal and contractor labor. This project will be used towards the long-term standardization and scheduled replacement program of meters, meter reading devices and appurtenances and may include the implementation of new meter reading technology and implementation of customer portal. District and outside forces may be utilized for this program. The District costs may include materials, equipment, salary, benefits and overhead.

Purpose

To reduce the number of estimated water bills, replace meters that have exceeded manufacturers suggested life expectancy, replace outdated meter reading systems and standardize meter inventory.

Future Appropriations

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

Bond Language

The sum of \$800,000 is hereby appropriated to standardize and replace water meters and meter reading devices in the District and technology upgrades, including design, construction and inspection costs, engineering and professional fees, materials, equipment, technology, meters, 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.

Capital Budget

Capital Improvement Program - Water

Program – East Hartford Water Main Replacements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$8,570,000	C-23W03	2120

Description

This project includes the replacement of various small diameter water mains (i.e. 4" and 6") and aging infrastructure in residential East Hartford roads. District and outside forces may be utilized for this program. The District costs may include materials, equipment, salary, benefits and overhead.

Purpose

To replace aging infrastructure in East Hartford.

Future Appropriations

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

Bond Language

The sum of \$8,570,000 is hereby appropriated for the replacement of various small diameter water mains and other infrastructure in residential East Hartford roads, 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Funding Sources

Project is eligible for a loan under the State of Connecticut DWSRF. However, funding is a condition of priority ranking and fund availability.

Capital Budget

Capital Improvement Program - Water

Program – Water Main Materials

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	C-23W04	2120

Description

Purchase of various materials to support replacement of water mains District wide as a result of infrastructure exceeding useful life. Projects include, but are not limited to, the Accelerated Water Main Replacement Program, Sisson Avenue Area Water Main Replacement, Silas Deane Water Main Replacement, Ellington Road Water Improvements, and Deerfield, Chadwick and Goodwin Water Main Replacement. District and outside forces may be utilized for this program. The District costs may include materials, equipment, salary, benefits and overhead.

Purpose

To acquire materials to replace aging infrastructure District-wide.

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 purchase of various water main materials to support the replacement of water mains in the District, including but not limited to, water mains associated with the Accelerated Water Main Replacement Program, Sisson Avenue Area Water Main Replacement, Silas Deane Water Main Replacement, Ellington Road Water Improvements, and Deerfield, Chadwick and Goodwin Water Main Replacement. 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 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>
\$5,250,000	C-99P23	2120

Description

Final pavement 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. District and outside forces may be utilized for this program. 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 \$5,250,000 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Raw Water Treatment/Transmission Improvements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,000,000	C-23W05	2120

Description

The Water Master Plan encompasses various projects to improve the water transmission and treatment infrastructure over several decades. This project will include the design and construction of improvements to the raw water supply pipelines and related appurtenances such as blow-offs and access manholes. The project will improve the operational reliability of the raw water system, and is intended to extend and enhance the asset life. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To improve the reliability and extend the asset life of various raw water pipelines, transmission mains and water treatment infrastructure.

Future Appropriations

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

Bond Language

The sum of \$1,000,000 is hereby appropriated for the design and construction of improvements to the raw water supply pipelines and related appurtenances, such as blowoffs and manholes, 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – Levee Protection – Water

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$263,000	C-23W06	2120

Description

Construction, inspection and associated work for the placing of isolation valves outside Bulkeley Bridge and I-84 Highway (Hartford and East Hartford). District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To place isolation valves to repair aging infrastructure in the Bulkeley Bridge and I-84 Highway (Hartford and East Hartford).

Future Appropriations

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

Bond Language

The sum of \$263,000 is hereby appropriated for construction and inspection costs for the placing of isolation valves outside Bulkeley Bridge and the I-84 Highway, including 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Capital Improvement Program - Water

Program – District-Wide Water Main Replacement Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$14,500,000	C-23W07	2120

Description

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

Purpose

To improve the 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 \$14,500,000 is hereby appropriated for design and construction costs for the rehabilitation and/or replacement of various water mains and water services throughout the District, including 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Funding Sources

Project is eligible for a loan under the State of Connecticut DWSRF. However, funding is a condition of priority ranking and fund availability.

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 2023 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.

<u>Combined</u>	
IT Infrastructure Project	\$ 2,100,000
CEM Fleet	3,040,000
CEM Generators	267,500
Facilities	1,050,000
Engineering Services Staffing	3,645,000
Construction Services Staffing	3,830,000
Technical Services Staffing	4,360,000
<i>Combined Total</i>	\$ 18,292,500

The following positions are included in the combined capital program:

Authorized Positions

<u>Title</u>	<u>Number</u>
Assistant Manager of Construction & Inspection	1
Construction & Utility Services Supervisor	4
Construction Manager	7
Durational Project Engineer	1
Engineer Technician 3	1
Manager of Construction & Inspection Services	1
Manager of Engineering Services	1
Manager of Technical Services	1
Principal Construction Engineering Technician	1
Project Engineer 2	2
Project Manager	11
Real Estate Administrator	1
Senior Project Manager	2
Senior Clerk	2
Senior Engineering Technician	1
Senior Project Manager	3
Supervisor Inspector	1
Total	41

Capital Budget

Capital Improvement Program - Combined

Program – Information Technology Infrastructure Project

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,100,000	C-23C01	2130

Description

To upgrade District-wide infrastructure by implementation of data center load balancer hardware refresh, Hartford and Springfield data center server refresh, IT firewall refresh, SCADA firewall refresh, Wireless LAN controller and wireless AP refresh, telecom closet refresh. District and outside forces may be utilized for this program. 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 \$2,100,000 is hereby appropriated to upgrade District wide infrastructure by implementation of a data center load balancer hardware refresh, Hartford and Springfield data center server refresh, IT firewall refresh, SCADA firewall refresh, Wireless LAN controller and wireless AP refresh and telecom closet refresh. The appropriation may also be expended for materials, equipment, 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.

Capital Budget

Capital Improvement Program - Combined

Program – Fleet and Equipment Replacement and Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,040,000	C-99F23	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 Labor support 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 \$3,040,000 is hereby appropriated for the replacement and/or upgrades to the District's transportation and power operated equipment fleet and related components, including vehicles, equipment, materials, 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.

Capital Budget

Capital Improvement Program - Combined

Program – CEM Generators

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$267,500	C-99G23	2130

Description

To replace a variety of generators to support the District's pump stations. These generators related and associated components are intended to replace aging pump water 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 \$267,500 is hereby appropriated for the replacement of generators to support the District's pump stations, including inspection costs, professional fees, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the projects.

Capital Budget

Capital Improvement Program - Combined

Program – Facilities and Equipment Improvements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,050,000	C-23C02	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, architectural, mechanical, electrical, plumbing, fire protection, HVAC, security, site improvements, environmental abatement, and other relevant work. The project also includes equipment upgrades. District forces may be utilized for this program. The District cost 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 \$1,050,000 is hereby appropriated for design and construction costs related to improvements at various District facilities, including design, construction, structural, architectural and inspection costs, engineering fees, mechanical, electrical and plumbing costs, fire protection costs, HVAC improvements and upgrades, security and site improvements, environmental abatement costs, professional fees, materials, equipment, 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.

Capital Budget

Capital Improvement Program - Combined

Program - Engineering Services Staffing

<u>Amount</u> \$3,645,000	<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.

Future Appropriations

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

Bond Language

The sum of \$3,645,000 is hereby appropriated for engineering services 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, including 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>
Construction Manager	2
Manager of Engineering Services	1
Project Manager	5
Senior Project Manager	<u>3</u>
Total	11

Capital Budget

Capital Improvement Program - Combined

Program – Construction Services Staffing

<u>Amount</u>	<u>Funds Center</u>	<u>Fund</u>
\$3,830,000	C1H04	2130

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. For 2023, we have consolidated Survey & Inspection (C1H02) with the Construction (C1H04) department.

Future Appropriations

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

Bond Language

The sum of \$3,830,000 is hereby appropriated for construction services 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, 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 & Inspection	1
Construction & Utility Services Supervisor	4
Construction Manager	4
Engineer Technician 3	1
Manager of Construction & Inspection Services	1
Principal Construction Engineering Technician	1
Project Manager	1
Senior Clerk	1
Senior Engineering Technician	1
Supervisor Inspector	<u>1</u>
Total	16

Capital Budget

Capital Improvement Program - Combined

Program - Technical Services Staffing

<u>Amount</u> \$4,360,000	<u>Funds Center</u> C1H05	<u>Fund</u> 2130
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Description

Staffing costs.

Purpose

The Technical Services department holds responsibility for providing technical support to all of the District's capital improvement projects, clean water projects and integrated plan 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.

Future Appropriations

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

Bond Language

The sum of \$4,360,000 is hereby appropriated for technical services staffing to provide technical support for the District's Capital Improvement Projects, Clean Water Projects and Integrated Plan 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, including 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>
Construction Manager	1
Durational Project Engineer	1
Manager of Technical Services	1
Project Engineer 2	2
Project Manager	5
Real Estate Administrator	1
Senior Project Manager	2
Senior Clerk	<u>1</u>
Total	14

Capital Budget

Capital Improvement Program – Hydro Rehabilitation

The following is a list of the recommended Hydro capital program and project to be funded through the MDC's 2023 Capital Improvement Program budget. These capital programs and projects provide for needed modernization to the District's Goodwin Hydroelectric Facility. Each is considered to be a separate undertaking in accordance with Section 3-11 of the Charter of the Metropolitan District.

<u>Hydro Rehabilitation</u>	
Goodwin Hydroelectric Controls Upgrade Project	\$ 2,000,250
<i>Hydro Total</i>	\$ 2,000,250

Capital Budget

Capital Improvement Program – Hydro Rehabilitation

Program – Goodwin Hydroelectric Controls Upgrade Project

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,250	C-23H01	2150

Description

To provide design and construction of upgrades to the electrical, instrumentation and controls systems at the Goodwin Hydroelectric Facility. Planned improvements include the installation of a new governor system, replacement of hydraulic power units, electrical/controls replacements, and various appurtenant work related to these modifications. This project is intended to enhance the effectiveness of, and extend and enhance the asset life. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

Infrastructure rehabilitation, upgrades and replacement work at the Goodwin Hydroelectric Facility including mechanical, electrical, instrumentation and controls systems.

Future Appropriations

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

Bond Language

The sum of \$2,000,250 is hereby appropriated for the Goodwin Hydroelectric Controls Upgrade Project, including design and construction upgrades to the electrical, instrumentation and controls systems, the installation of a new governor system, the replacement of hydraulic power units, electrical/controls replacements, and various appurtenant work related to these 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 project. District resources may be utilized for the project. The District costs may include salary, benefits and overhead.

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, 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

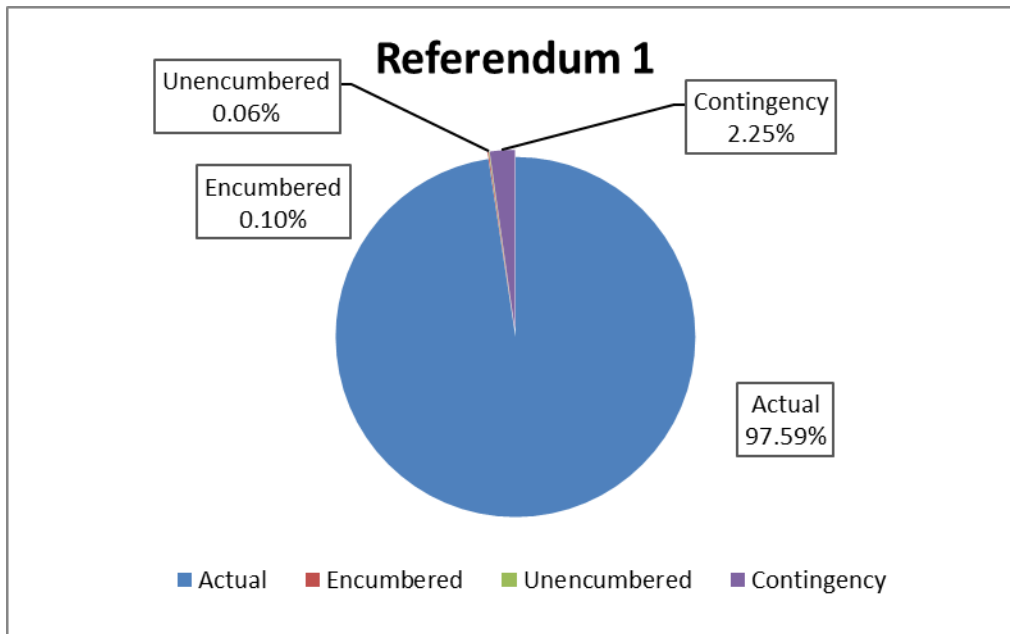
Description

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	\$ 780,688,724.30
Encumbered	836,569.13
Unencumbered	463,181.00
Contingency	18,011,525.57
	<u><u>\$ 800,000,000.00</u></u>



Capital Budget

Clean Water Program – Referendum 1

as of 11/16/22

Ongoing Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
C-12011	CW1.SSOWHA.07 2012 WH SSES	1,537,500.00	977,569.14	436,028.36	123,902.50
C-15004*	CW1.CONSBR.03 - 2015 Kane Brook Dsn	1,800,000.00	1,157,311.77	400,540.77	242,147.46
C-15037	CW1.TUNSTH.00 2015 South CSO Convey Tunnel	38,715,110.03	38,617,978.99	-	97,131.04
		\$ 42,052,610.03	\$ 40,752,859.90	\$ 836,569.13	\$ 463,181.00

*As per resolution provided in the supplemental section, this clean water project is to be deauthorized and the remaining funds to be allocated towards an Integrated Plan project.

CW1.000000. Referendum 1 Contingency	18,011,525.57
Completed Projects	739,935,864.40
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	12,682,280.63	12,682,280.63	-	-
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	-	-

Capital Budget

Clean Water Program – Referendum 1

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	-	-
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-Wtfld	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	-	-
		\$ 739,935,864.40	\$ 739,935,864.40	\$ -	\$ -

Capital Budget

Clean Water Program – Referendum 2

Program – Clean Water Project – Referendum 2

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$958,800,000	CW2.000000.00	2400

Description

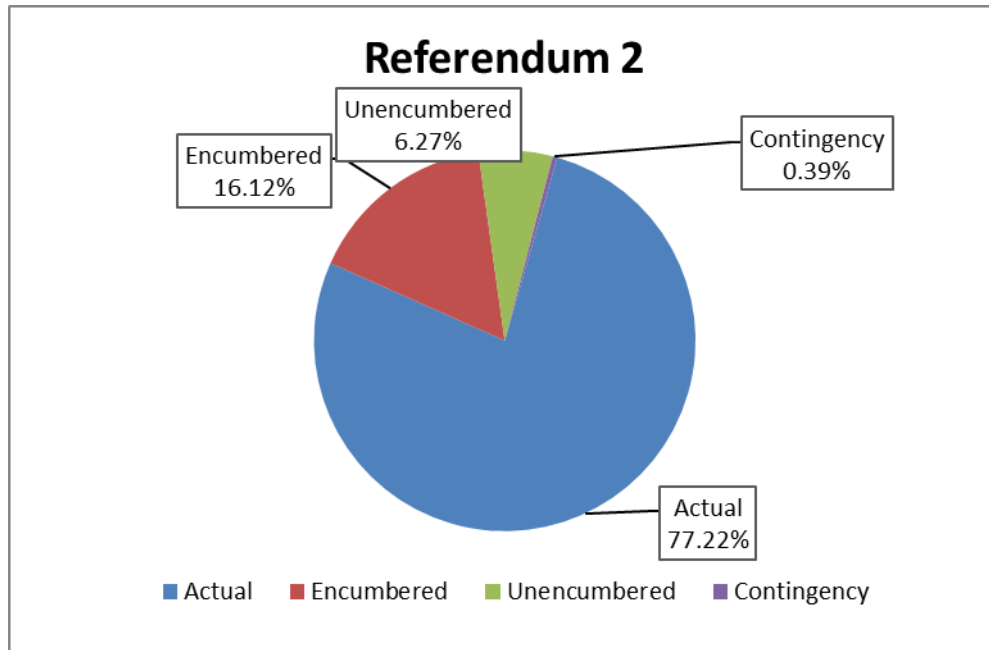
The 2012 Clean Water Project Referendum Fund accounts for financial resources to be used for the first phase of the Clean Water Project, which was authorized on November 6, 2012.

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	\$ 740,381,158.42
Encumbered	154,587,546.50
Unencumbered	60,117,448.66
Contingency	3,713,846.42
	\$ 958,800,000.00



Capital Budget

Clean Water Program – Referendum 2

as of 11/16/22

Ongoing Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
C-14000	CW2.WTFHAR.21 2014 WWEP #2012-21	182,380,980.00	181,897,496.02	12,958.95	470,525.03
C-15027	CW2.CONFAR.02 2015 NNBI Rel./Oxford	2,500,000.00	1,953,442.35	246,804.67	299,752.98
C-15033*	CW2.TUNSTH.04 2015 SHCST	31,960,000.00	50,000.00	-	31,910,000.00
C-15034	CW2.TUNSTH.05 2015 SHCST	47,529,124.73	37,926,281.63	5,379,208.30	4,223,634.80
C-15035	CW2.TUNSTH.02 2015 SHCST Construction	336,495,845.00	304,683,181.68	20,614,132.74	11,198,530.58
C-15036	CW2.TUNSTH.03 2015 SHCST Pump Station	141,320,000.00	6,326,903.49	126,723,400.70	8,269,695.81
C-16012	CW2.NSSGRA.04 2016 Bloomfield SSES	1,200,000.00	892,702.18	31,848.59	275,449.23
C-4A02	PMC 2022	4,359,759.88	2,805,567.33	1,554,192.55	-
C-4A02	PMC 2021	3,790,130.92	3,790,130.92	-	-
C-4A02	PMC 2020	3,567,036.36	3,567,036.36	-	-
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	-	-
C-4A02	Clean Water Fund 2012 II	4,442,389.47	947,529.24	25,000.00	3,469,860.23
		\$ 775,356,589.96	\$ 560,651,594.80	\$ 154,587,546.50	\$ 60,117,448.66

*As per resolution provided in the supplemental section, this clean water project is to be deauthorized and the remaining funds to be allocated towards an Integrated Plan project.

CW2.000000.00	Referendum 2 Contingency	\$ 3,713,846.42
	Completed Projects	179,729,563.62
	Referendum 2	\$ 958,800,000.00
	Original Authorization	800,000,000.00
	Increase as of 10/5/2016 footnote below	\$ 140,000,000.00
	Increase as of 9/2/2020 footnote below	18,800,000.00
		\$ 958,800,000.00

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	-	-
		\$ 179,729,563.62	\$ 179,729,563.62	\$ -	\$ -

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 2023 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	
Various Sewer Pipe Replacement/Rehabilitations - District-wide	\$ 8,925,000
Large Diameter Sewer Rehabilitation Program	16,170,000
Sewer Collection Gates	5,025,000
Newington 18 & 19 Sewershed Inflow/Infiltration Reduction	945,000
Rocky Hill -2A/B Sewershed Inflow/Infiltration Reduction	1,200,000
I-4 (N-30)	200,000
North Branch Park River Drainage Study/Separation	1,000,000
Granby 7 Sewer Separation	1,800,000
Program Management Consultant	4,000,000
Wethersfield Cove Drop Shaft Connections - Phases 1 & 2	525,000
Hartford Water Pollution Control Facility -Sludge Equalization Facility	5,000,000
Private Property Inflow Disconnect/Back Water Valve Program	1,500,000
Integrated Plan Total	\$ 46,290,000

Capital Budget

Integrated Plan – Appropriations

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

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$8,925,000	C-23X01	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. District forces may be utilized for this program. 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 \$8,925,000 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 upgrades to District equipment, electrical, mechanical, and renewable energy upgrades in addition to facility upgrades and site work at wastewater treatment facilities. The appropriation may also be expended for sewer main replacements, inspection costs, engineering and professional fees, materials, the replacement, rehabilitation and upgrade of District's transportation and power operated equipment fleet and related components, 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.

Capital Budget

Integrated Plan – Appropriations

Program – Large Diameter Sewer Rehabilitation Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$16,170,000	C-23X02	2600

Description

This project will include the rehabilitation of large diameter sewers (combined and separated) located within the HWPCF sewershed. Sewer rehabilitation based on recommendations from recently completed large diameter sewer inspection programs. This project will reduce CSOs in the HWPCF collection system, via inflow & infiltration reduction in the large diameter Hartford sewers. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate aging infrastructure in the Hartford Water Pollution Control Facility sewershed.

Future Appropriations

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

Bond Language

The sum of \$16,170,000 is hereby appropriated for the rehabilitation of large diameter sewers (combined and separated) located within the Hartford Water Pollution Control Facility sewershed, 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Funding Sources

Project is eligible for a loan under the State of Connecticut Clean Water Fund. However, funding is a condition of priority ranking and fund availability.

Capital Budget

Integrated Plan – Appropriations

Program – Sewer Collection Gates

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,025,000	C-23X03	2600

Description

To improve the existing sanitary sewer collection system gates, as required for Consent Order Compliance. District and outside forces may be utilized for this program. District costs may include salary, benefits and overhead.

Purpose

To improve the lifespan and functionality of District sanitary sewer collection gates.

Future Appropriations

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

Bond Language

The sum of \$5,025,000 is hereby appropriated for improvements to existing sanitary sewer collection system gates, 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Funding Sources

Project is eligible for a loan under the State of Connecticut Clean Water Fund. However, funding is a condition of priority ranking and fund availability.

Capital Budget

Integrated Plan – Appropriations

Program – Newington 18 & 19 Sewershed Inflow/Infiltration Reduction

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$945,000	C-23X04	2600

Description

This project will include inflow and infiltration reduction in Newington, as required for Consent Decree Compliance. District and outside forces may be utilized for this program. District costs may include materials, equipment, salary, benefits and overhead.

Purpose

To eliminate and reduce inflow and infiltration sources from the sanitary sewer system.

Future Appropriations

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

Bond Language

The sum of \$945,000 is hereby appropriated for the elimination and reduction of inflow and infiltration sources from the sanitary sewer system, including inflow and infiltration reduction in Newington. 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan – Appropriations

Program – Rocky Hill -2A/B Sewershed Inflow /Infiltration Reduction

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,200,000	C-23X05	2600

Description

This project will include inflow and infiltration reduction in the Rocky Hill Water Pollution Control Facility (RHWPCF) sewershed, as required for Consent Decree Compliance. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To eliminate and reduce the inflow and infiltration sources on the Rocky Hill Water Pollution Control Facility sewershed.

Future Appropriations

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

Bond Language

The sum of \$1,200,000 is hereby appropriated for the elimination and reduction of inflow and infiltration sources from the Rocky Hill Water Pollution Control Facility sewershed, 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 project. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan – Appropriations

Program – I-4 (N-30)

Amount
\$200,000

Project #
C-23X06

Fund
2600

Description

This project will include the rehabilitation and or replacement of sewers (combined and separated) located within the Hartford WPCF sewershed (N-30), as required to achieve Consent Order Compliance with CSO N-30. Sewer rehabilitation based on recommendations from recently completed large diameter sewer Inspection programs. This project will reduce CSOs in the Hartford WPCF collection system, via inflow and infiltration reduction in the large diameter Hartford sewers. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

Infrastructure rehabilitation within the Hartford Water Pollution Control Facility.

Future Appropriations

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

Bond Language

The sum of \$200,000 is hereby appropriated for the rehabilitation and/or replacement of sewers (combined and separated) within the Hartford Water Pollution Control Facility sewershed, as required for Consent Order Compliance at CSO N-30. 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 may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan – Appropriations

Program – North Branch Park River Drainage Study/Separation

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,000,000	C-23X07	2600

Description

Preliminary design for sewer separation in the North Branch Park River Drainage area, as required for Consent Order Compliance. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

Preliminary design for the sewer separation in the North Branch Park River Drainage area.

Future Appropriations

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

Bond Language

The sum of \$1,000,000 is hereby appropriated for the preliminary design for the sewer separation project in the North Branch Park River drainage area, including 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 project. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Funding Sources

Project is eligible for a loan under the State of Connecticut Clean Water Fund. However, funding is a condition of priority ranking and fund availability.

Capital Budget

Integrated Plan – Appropriations

Program – Granby 7 Sewer Separation

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,800,000	C-23X08	2600

Description

This project will complete the Final Design Phase for the Granby 7 Sewer Separation Design in the North Branch Park River Drainage District, as required for Consent Order Compliance. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

Final design for the Granby 7 sewer separation in the North Branch Park River Drainage area.

Future Appropriations

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

Bond Language

The sum of \$1,800,000 is hereby appropriated for the final design phase for the Granby 7 sewer separation project in the North Branch Park River drainage area, including 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 project. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Funding Sources

Project is eligible for a loan under the State of Connecticut Clean Water Fund. However, funding is a condition of priority ranking and fund availability.

Capital Budget

Integrated Plan – Appropriations

Program – Program Management Consultant

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$4,000,000	C-23X09	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.

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 \$4,000,000 is hereby appropriated for project management consultants, including legal fees, financing costs, professional fees, interest expense on temporary borrowings, and other costs related to the project. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Integrated Plan – Appropriations

Program – Wethersfield Cove, Drop Shaft Connections – Phases 1 & 2

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$525,000	C-23X10	2600

Description

To complete the final design for the Wethersfield Cove, Drop Shaft Connections – Phases 1 & 2, as required for Consent Order Compliance. District and outside forces may be utilized for this program. 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 \$525,000 is hereby appropriated for the final design for the Wethersfield Cove, Drop Shaft Connections project (Phase 1 and Phase 2), including 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 project. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Funding Sources

Project is eligible for a loan under the State of Connecticut Clean Water Fund. However, funding is a condition of priority ranking and fund availability.

Capital Budget

Integrated Plan – Appropriations

Program – Hartford Water Pollution Control Facility (HWPCF) - Sludge Equalization

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,000,000	C-23X11	2600

Description

This project will provide an upgrade to the Sludge Equalization Facilities at the HWPCF. Project will include all mechanical, electrical, structural, architectural, instrumentation, and control. Consultant services shall include both engineering and inspection services. District forces may be utilized for a portion of this project. The District cost may include salary, benefits, and overhead.

Purpose

To upgrade the Sludge Equalization Facilities at the HWPCF.

Future Appropriations

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

Bond Language

The sum of \$5,000,000 is hereby appropriated for upgrades to the Sludge Equalization Facilities at the Hartford Water Pollution Control Facility, including mechanical, electrical, structural and architectural costs, design, construction and inspection costs, engineering, architectural and professional fees, instrumentation, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the project. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Funding Sources

Project is eligible for a loan under the State of Connecticut Clean Water Fund. However, funding is a condition of priority ranking and fund availability. Project will utilize \$2.5 million grant as authorized by USEPA.

Capital Budget

Integrated Plan – Appropriations

Program – Private Property Inflow Disconnect / Back Water Valve Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,500,000	C-23X12	2600

Description

This program will include the inspection of private property sewer laterals in order to identify defects and/or infiltration sources. The program will also include the installation and or replacement of back water, and/or additional work required to remove private inflow sources as needed to protect customers from sewer surcharging. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To eliminate infiltration and inflow sources from the sewer system.

Future Appropriations

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

Bond Language

The sum of \$1,500,000 is hereby appropriated for the private property inflow disconnect/back water valve program, including inspection costs, installation and replacement costs, design, inspection and construction costs, engineering, architectural and professional fees, materials, equipment, legal fees, financing costs, interest expense on temporary borrowings, and other costs related to the project. District resources may be utilized for the projects. The District costs may include salary, benefits and overhead.

Capital Budget

Supplemental

At the meeting of the District Board held on March 7, 2022, the District Board approved appropriation closeouts for the projects listed below, returning \$14.6 million of authorizations to the District's borrowing capacity.

WATER CAPITAL IMPROVEMENT PROJECTS

Project Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-09000/WAT.CW1227.01	2009	2120	Water Facility Improvements	Various	\$ 2,785,000.00	\$ 2,732,867.64	\$ 52,132.36
	2009 Total				2,785,000.00	2,732,867.64	52,132.36
C-13005/WAT.CW1372.01	2013	2120	Oakwood WMR	Bloomfield	1,850,000.00	430,519.64	1,419,480.36
C-13012/WAT.CW1366.01	2013	2120	Wickham Hill Basins	East Hartford	4,980,000.00	4,093,532.96	886,467.04
C-99P13/WAT.CW1376.01	2013	2120	FY13-Paving Program	MDC	4,200,000.00	4,191,306.08	8,693.92
	2013 Total				11,030,000.00	8,715,358.68	2,314,641.32
C-14018/WDS.TM1314.01	2014	2120	UCONN Farmington HC	Farmington	5,000,000.00	3,431,182.40	1,568,817.60
C-14005/WDS.TM0014.02	2014	2120	Kilkenny Water Transmission Main	West Hartford	5,000,000.00	4,047,727.43	952,272.57
	2014 Total				10,000,000.00	7,478,909.83	2,521,090.17
C-15020/WTF.FA00015.01	2015	2120	WTF Upgrades	Various	1,000,000.00	996,101.62	3,898.38
C-15039/WDS.TM0115.02	2015	2120	WMR-Buckingham Street	Hartford	600,000.00	545,805.09	54,194.91
	2015 Total				1,600,000.00	1,541,906.71	58,093.29
C-16002/WDS.TM0016.01	2016	2120	Water Supply Improvement-Raw Water	Barkhamsted	500,000.00	488,321.48	11,678.52
C-16003/WDS.TM0516.01	2016	2120	Bloomfield Transmission Main Ext	Bloomfield	8,000,000.00	5,489,752.30	2,510,247.70
	2016 Total				8,500,000.00	5,978,073.78	2,521,926.22
	Grand Total				\$ 33,915,000.00	\$ 26,447,116.64	\$ 7,467,883.36

SEWER CAPITAL IMPROVEMENT PROJECTS

Project Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-10007/WWA.CS1153.01	2010	2110	WPC Electrical System	MDC	\$ 4,280,000.00	\$ 3,797,482.96	\$ 482,517.04
	2010 Total				4,280,000.00	3,797,482.96	482,517.04
C-12008/WWA.CS1188.01	2012	2110	WPC Renewal & Replacement	MDC	3,000,000.00	2,965,449.82	34,550.18
	2012 Total				3,000,000.00	2,965,449.82	34,550.18
C-14015/SCS.SR0514.01	2014	2110	Sewer Replacement-Packard & Daniel	Bloomfield	3,000,000.00	1,523,392.17	1,476,607.83
C-99V14/SCS.EQ0014.01	2014	2110	Backwater Valve	MDC	750,000.00	750,000.00	-
	2014 Total				3,750,000.00	2,273,392.17	1,476,607.83
C-15021/SCS.SR0015.01	2015	2110	Bond Street Area Sewer Rehab	Hartford	1,400,000.00	1,047,835.23	352,164.77
C-15025/SCS.SR0015.06	2015	2110	Sewer Rehabilitation Program	MDC	5,000,000.00	3,314,560.55	1,685,439.45
	2015 Total				6,400,000.00	4,362,395.78	2,037,604.22
C-16005/SCS.SR0016.01	2016	2110	Sewer Rehabilitation Program	MDC	3,600,000.00	3,599,999.30	0.70
	2016 Total				3,600,000.00	3,599,999.30	0.70
C-19013/SCS.SR0019.04	2019	2110	Various Sewer Pipe Rehabilitation	MDC	5,000,000.00	4,964,499.58	35,500.42
	2019 Total				5,000,000.00	4,964,499.58	35,500.42
	Grand Total				\$ 26,030,000.00	\$ 21,963,219.61	\$ 4,066,780.39

Capital Budget

Supplemental

COMBINED CAPITAL IMPROVEMENT PROJECTS

Project Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-13014/COM.CFP178.01	2013	2130	Communications System	MDC	\$ 1,000,000.00	\$ 566,477.58	\$ 433,522.42
C-13015/COM.CFP183.01	2013	2130	Information Technology-Applications	MDC	5,000,000.00	4,901,260.62	98,739.38
C-13016/COM.CFP184.01	2013	2130	Information Technology-Hardware	MDC	5,000,000.00	4,882,537.23	117,462.77
	2013 Total				11,000,000.00	10,350,275.43	649,724.57
C-16008/COM.EQ0016.01	2016	2130	Information Technology-Upgrades	MDC	5,000,000.00	4,865,048.88	134,951.12
	2016 Total				5,000,000.00	4,865,048.88	134,951.12
C-99F17/COM.VE0017.01	2017	2130	Fleet Replacement	MDC	800,000.00	791,761.96	8,238.04
	2017 Total				800,000.00	791,761.96	8,238.04
C-18004/COM.EQ0018.01	2018	2130	Information Technology-Equipment	MDC	7,500,000.00	7,449,126.00	50,874.00
	2018 Total				7,500,000.00	7,449,126.00	50,874.00
C-99F19/COM.VE0019.01	2019	2130	Fleet Replacement	MDC	1,700,000.00	1,696,103.73	3,896.27
	2019 Total				1,700,000.00	1,696,103.73	3,896.27
C1H02	2020	2130	Survey & Construction	MDC	4,500,000.00	3,674,461.35	825,538.65
C1H03	2020	2130	Engineering Services	MDC	4,000,000.00	3,627,477.76	372,522.24
C1H04	2020	2130	Construction Services	MDC	2,000,000.00	1,561,094.76	438,905.24
C1H05	2020	2130	Technical Services	MDC	4,000,000.00	3,453,713.23	546,286.77
	2020 Total				14,500,000.00	12,316,747.10	2,183,252.90
	Grand Total				\$ 40,500,000.00	\$ 37,469,063.10	\$ 3,030,936.90

CLEAN WATER PROJECTS

Project Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-10008/CW1.NSSTOW.02	2010	2300	2010 Tower Ave South	Hartford	\$ 10,000.00	\$ 10,000.00	\$ -
C-11006/CW1.WTFHAR.18	2011	2300	2011 Wet Weather Expansion	Hartford	31,494,239.87	31,494,239.87	-
C-12001/CW1.SSONWT.07	2012	2300	2012 Cedar Newington	Newington	3,937,769.30	3,937,769.30	-
C-12010/CW1.SSORKH.07	2012	2300	2012 RH Interceptor	Rocky Hill	32,862,055.42	32,862,055.42	-
C-13000/CW1.SSOGEN.13	2013	2300	2013 SSO Elimination	MDC	1,604,178.02	1,604,178.02	-
C-13001/CW1.SSPAR.11	2013	2300	2013 Green Infrastructure	Hartford	605,082.99	605,082.99	-
C-13018/CW1.WTFHAR.20	2013	2300	2013 WWEP #2012-20	Hartford	90,168,900.86	90,168,900.86	-
	2300 Total				160,682,226.46	160,682,226.46	-
C-13013/CW2.WTFRKH.04	2013	2400	2013 RHWPCF Cap & Up	Rocky Hill	57,616,907.66	57,616,907.66	-
C-15007/CW2.CSOGEN.17	2015	2400	2015 Large Diameter Clean	MDC	5,146,489.08	5,146,489.08	-
C-15038/CW2.SSOGEN.16	2015	2400	2015 CMOM Plan Updates	MDC	85,515.92	85,515.92	-
C-16010/CW2.WTFHAR.25	2016	2400	2016 Ash Lagoon Cl.	Hartford	123,883.27	123,883.27	-
C-16011/CW2.SSPAR.13	2016	2400	2016 Bartholomew Avenue	Hartford	83,699.01	83,699.01	-
C-16013/CW2.WTFRKH.05	2016	2400	2016 RHWPCF Outfall	Rocky Hill	3,869,454.64	3,869,454.64	-
C-17003/CW2.CSOGRA.05	2017	2400	2017 North Branch Park River	Hartford	709,818.89	709,818.89	-
	2400 Total				67,635,768.47	67,635,768.47	-
	Grand Total				\$ 228,317,994.93	\$ 228,317,994.93	\$ -

Capital Budget

Supplemental

At the meeting of the District Board held on September 7, 2022, the District Board approved appropriation closeouts for the projects listed below, returning \$30.5 million of authorizations to the District's borrowing capacity.

WATER CAPITAL IMPROVEMENT PROJECTS

Project Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-10002/WAT.CW1244.01	2010	2120	2010 General Purpose Water	Various	\$ 2,600,902.68	\$ 2,419,291.85	\$ 181,610.83
C-10004/WAT.CW1266.01	2010	2120	Dam Safety Res #1	Bloomfield	4,315,000.00	943,461.61	3,371,538.39
	2010 Total				6,915,902.68	3,362,753.46	3,553,149.22
C-12002/WAT.CW1334.01	2012	2120	Standpipe & AG Storg Tanks	East Hartford	4,224,000.00	583,508.70	3,640,491.30
C-12003/WAT.CW1344.01	2012	2120	2012 Gen Purp Water	Various	4,530,000.00	4,431,536.65	98,463.35
	2012 Total				8,754,000.00	5,015,045.35	3,738,954.65
C-13004/WAT.CW1370.01	2013	2120	Church St WM/Main to High	Hartford	4,570,000.00	319,460.75	4,250,539.25
	2013 Total				4,570,000.00	319,460.75	4,250,539.25
C-14009/WDS.TK0314.01	2014	2120	2014 Vexation Tanks Improv	MDC	3,300,000.00	154,892.08	3,145,107.92
	2014 Total				3,300,000.00	154,892.08	3,145,107.92
C-15001/WDS.DM0015.01	2015	2120	2015 General Purpose Water	Various	3,981,952.77	3,975,924.74	6,028.03
C-15003/WDS.TM0115.01	2015	2120	2015 Bond St WMR	Hartford	4,400,000.00	2,741,933.93	1,658,066.07
C-20006	2015	2120	2015 GPW -Trout Pond Dam - Massachusetts	MDC	18,047.23	18,047.23	-
	2015 Total				8,400,000.00	6,735,905.90	1,664,094.10
C-18003/WDS.DM0118.02	2018	2120	2018 Madison Ave WM Replac	Hartford	5,000,000.00	2,313,504.08	2,686,495.92
	2018 Total				5,000,000.00	2,313,504.08	2,686,495.92
C-19003/WDS.DM0019.02	2019	2120	2019 General Purpose Water	Various	500,000.00	483,557.67	16,442.33
C-19007/WDS.TM01519.01	2019	2120	2019 Bloomfield Transmission Extention	Bloomfield	6,000,000.00	4,185,910.47	1,814,089.53
C-20014	2019	2120	GPW- Farmington Ave WM Replacement	West Hartford	500,000.00	488,704.87	11,295.13
	2019 Total				7,000,000.00	5,158,173.01	1,841,826.99
C-20007	2020	2120	Long Hill Road Water Main	East Hartford/South Windsor	4,000,000.00	1,322,391.60	2,677,608.40
	2020 Total				4,000,000.00	1,322,391.60	2,677,608.40
	Grand Total				\$ 47,939,902.68	\$ 24,382,126.23	\$ 23,557,776.45

SEWER CAPITAL IMPROVEMENT PROJECTS

Project Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-13011/WWA.CS1214.01	2013	2120	2013 General Purpose Sewer	Various	\$ 1,858,133.43	\$ 1,803,066.84	\$ 55,066.59
	2013 Total				1,858,133.43	1,803,066.84	55,066.59
C-14016/SCS.SR0014.02	2014	2110	2014 General Purpose Sewer	Various	5,000,000.00	4,716,982.49	283,017.51
	2014 Total				5,000,000.00	4,716,982.49	283,017.51
C-15006/SCS.PS0615.01	2015	2110	2015 PS Rplcw Rainbow Trnk	MDC	2,200,000.00	-	2,200,000.00
C-17016/SCS.SR0017.06	2015	2110	Sanitary Sewer Rebab Program	Bloomfield	3,600,000.00	3,600,000.00	-
C-20003	2015	2110	2015-GPS Northern Interceptor Main	East Hartford	301,791.00	298,186.45	3,604.55
	2015 Total				6,101,791.00	3,898,186.45	2,203,604.55
C-18013/SCS.SR0118.01	2017	2110	2018 Madison Ave Swr	Various	2,000,000.00	259,308.79	1,740,691.21
	2017 Total				2,000,000.00	259,308.79	1,740,691.21
C-18009/SCS.SR0018.01	2018	2110	CCTV Generated Sewer Construction	Various	3,500,000.00	3,400,819.17	99,180.83
C-21002/SCS.SR0118.01	2018	2110	Nook Farm Trunk/Flower Street Sewer Reha	Hartford	600,000.00	-	600,000.00
	2018 Total				4,100,000.00	3,400,819.17	699,180.83
C1H01	2020	2110	2020 Sewr Rehabilitation Program-Labor only	MDC	1,722,491.54	1,722,491.54	-
	2020 Total				1,722,491.54	1,722,491.54	-
	Grand Total				\$ 20,782,415.97	\$ 15,800,855.28	\$ 4,981,560.69

Capital Budget

Supplemental

COMBINED CAPITAL IMPROVEMENT PROJECTS

Project Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-11005/COM.CFP161.01	2011	2130	Information Technology-Hardware	MDC	\$ 1,000,000.00	\$ 978,729.43	\$ 21,270.57
	2011 Total				1,000,000.00	978,729.43	21,270.57
C-15029/COM.BL0015.01	2015	2130	2015 Administrative Facilities Improvement Program	MDC	2,000,000.00	1,997,549.49	2,450.51
	2015 Total				2,000,000.00	1,997,549.49	2,450.51
C-17020/COM.BL0017.01	2017	2130	2017 Administration Facilities and Equipment Improvements	MDC	1,000,000.00	990,513.47	9,486.53
C-17021/COM.EQ0017.01	2017	2130	Information Technology-Upgrades	MDC	1,856,737.68	1,834,996.60	21,741.08
	2017 Total				2,856,737.68	2,825,510.07	31,227.61
C1H02	2021	2130	Survey & Construction	MDC	3,800,000.00	2,626,519.99	1,173,480.01
C1H03	2021	2130	Engineering Services	MDC	4,000,000.00	3,862,545.24	137,454.76
C1H04	2021	2130	Construction Services	MDC	2,000,000.00	1,530,229.63	469,770.37
C1H05	2021	2130	Technical Services	MDC	4,500,000.00	4,397,910.19	102,089.81
	2021 Total				14,300,000.00	12,417,205.05	1,882,794.95
	Grand Total				\$ 20,156,737.68	\$ 18,218,994.04	\$ 1,937,743.64

Capital Budget

Supplemental

At the meeting of the District Board held on December 5th, 2022, the District Board approved to deauthorize the clean water projects listed below.

Project ID	Fund	Project Description	Current Budget	Actual	Encumbered	Remaning Budget
C-15004	2300	CW1.CONSTR.03 - 2015 Kane Brook Dsn	\$ 1,800,000.00	\$ 1,157,311.77	\$ 400,540.77	\$ 242,147.46
C-15033	2400	CW2.TUNSTH.04 2015 SHCST	31,960,000.00	50,000.00	-	31,910,000.00
	Total		\$ 33,760,000.00	\$ 1,207,311.77	\$ 400,540.77	\$ 32,152,147.46