

2022 Adopted Capital Improvement Budget



The Metropolitan District
Hartford, CT

2022 Capital Improvement Program

Summary

Overview

The Capital Improvement Program (CIP) budget is based upon the MDC's comprehensive asset management program for wastewater, water, and combined programs. The program's objective is to ensure the continued safety and efficiency of the District's water mains, sewers, pumping stations, treatment facilities, buildings, and equipment. Asset management programs have been developed to maximize our facilities' effectiveness and useful life.

The MDC will pursue funding for eligible projects under the State of Connecticut Department of Public Health's Drinking Water State Revolving Fund (water projects), State of Connecticut Department of Energy and Environmental Protection's Clean Water Fund (wastewater projects), and other State and/or Federal funding programs. The funding of projects is a condition of priority ranking and fund availability. Participation in such funding agreements is subject to the approval of the Metropolitan District.

Major Capital Improvement Components

Wastewater

The primary projects are improvements and modernization to MDC's wastewater collection system infrastructure and water pollution control facilities. The following are some of next year's significant expenditures.

Hartford Large Diam. Sewer Rehabilitation Program - Phase 2	\$ 9,900,000
Various Sewer Pipe Replacement/Rehabilitations	7,500,000
Easement Sewer Lining Program - Phase 1	6,200,000

Water

This budget will fund improvements to the District's drinking water infrastructure, including treatment plants, pipeline, storage facilities, and pump stations. The District is targeting 10 miles of new and replacement water main installations in 2022, and listed below are some of the significant expenditures demonstrating that level of commitment.

Capitol Ave. Area Water Main Replacement, Hartford	\$11,500,000
Farmington 11 / Sisson Ave. Area WMR (water work), Hartford	10,000,000
Hartford Hospital Area Water Main Replacement (water work), Hartford	7,100,000

2022 Capital Improvement Program

Summary

Five-Year Capital Improvement Program

The District has undertaken a comprehensive asset management program that systematically replaces water and sewer infrastructure to maintain and improve assets to ensure safe and efficient operations. In addition to the comprehensive asset management program, the District anticipates continuing projects associated with the Clean Water Project during 2022.

The District submitted an Integrated Plan to CT DEEP as part of its Consent Order required CSO Long Term Control Plan Update in December 2018. Modifications and an Executive Summary were most recently submitted in May 2020, and a Phase I Implementation Plan, which summarized projects through 2028, was most recently submitted in February 2021. CT DEEP has not yet approved this Plan; however, negotiations are underway. In the absence of approval, multiple rehabilitation and repair projects have been included in the 2022 CIP to maintain compliance with the EPA's Consent Decree required CMOM Program.

2022 Capital Improvement Program

Summary

<u>Wastewater</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>
Various Sewer Pipe Replacement/Rehabilitations - District-wide	\$ 7,500,000	\$ 8,500,000	\$ 8,500,000	\$ 3,000,000	\$ 3,000,000
Hartford Large Diameter Sewer Rehabilitation Program - Phase 2	9,900,000	-	-	-	-
Easement Sewer Lining Program - Phase 1	6,200,000	-	-	-	-
Hartford Hospital Area WMR (sewer work), Hartford	600,000	-	-	-	-
Farmington 11 / Sisson Ave. Area WMR (sewer work), Hartford	1,100,000	-	-	-	-
Private Property Inflow Disconnect Program	2,100,000	2,300,000	2,500,000	2,500,000	2,500,000
Brookside Rd. Sanitary Pump Station Replacement	3,700,000	-	-	-	-
WPC Infrastructure Rehabilitation, Upgrades & Replacements	-	6,000,000	8,000,000	7,000,000	7,000,000
WW Pump Stations and Equipment	-	1,000,000	-	1,000,000	-
Wastewater Total	\$31,100,000	\$17,800,000	\$19,000,000	\$13,500,000	\$12,500,000

2022 Capital Improvement Program

Summary

<u>Water</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>
General Purpose Water	\$ 2,200,000	\$ 2,000,000	\$ 2,000,000	\$ 3,000,000	\$ 3,000,000
Paving Program & Restoration	3,400,000	4,200,000	4,200,000	4,200,000	4,200,000
Farmington 11/Sisson Area WMR (water work), Hartford	10,000,000	-	-	-	-
Boulevard & Garfield Rd WMR (Accelerated Plus), West Hartford	4,000,000	-	-	-	-
Capitol Ave. Area WMR, Hartford	11,500,000	-	-	-	-
Hartford Hospital Area WMR (water work), Hartford	7,100,000	-	-	-	-
Bishop's Corner WMR, West Hartford	3,900,000	-	-	-	-
Water Storage Tank Rehabilitation and Improvement	800,000	-	-	-	-
Advanced Meter Reading Program	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Water Service Inventory and Mapping	1,750,000	250,000	-	-	-
Raw Water Transmission Main Rehab	250,000	-	-	-	-
Nepaug Dam Concrete Rehab & Stability Improv. Design	250,000	-	-	-	-
WTP Infrastructure Rehab., Upgrades & Replacements	-	1,000,000	1,000,000	1,000,000	1,000,000
Water Pump Station and Equipment	-	1,000,000	-	1,000,000	-
Water Total	\$46,650,000	\$10,450,000	\$ 9,200,000	\$11,200,000	\$ 9,700,000

2022 Capital Improvement Program

Summary

<u>Combined</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>
Facility and Equipment Improvements	\$ -	\$ 2,000,000	\$ -	\$ 2,000,000	\$ -
Fleet and Equip. Repl. and Upgrades	2,550,000	2,000,000	-	2,000,000	-
Inspection Services	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
Engineering Services	4,800,000	4,800,000	4,800,000	4,800,000	4,800,000
Construction Services	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Technical Services	5,000,000	4,500,000	4,500,000	4,500,000	4,500,000
Combined Total	\$16,850,000	\$17,800,000	\$13,800,000	\$17,800,000	\$13,800,000

2022 Capital Improvement Program

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 \$23,020,379 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 a supplemental \$158,800,000 appropriation of grants, 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.

2022 Capital Improvement Program

Appropriation

The Metropolitan District's Capital Improvement Program budget for 2022 totals \$94,600,000 as reflected in the following summary. Wastewater programs total \$31,100,000; water programs total \$46,650,000; and combined programs total \$16,850,000.

Wastewater

Wastewater Collection

Various Sewer Pipe Replacement/Rehabilitations	\$	7,500,000
Hartford Large Diam. Sewer Rehabilitation Program - Phase 2		9,900,000
Easement Sewer Lining Program - Phase 1		6,200,000
Hartford Hospital Area WMR (sewer work), Hartford		600,000
Farmington 11 / Sisson Ave. Area WMR (sewer work), Hartford		1,100,000
Private Property Inflow Disconnect Program		2,100,000
Brookside Rd. Sanitary Pump Station Replacement		3,700,000

Wastewater Total **\$ 31,100,000**

Water

Water Supply, Treatment, Transmission and Distribution

General Purpose Water \$ 2,200,000

Water Distribution

Paving Program & Restoration		3,400,000
Farmington 11 / Sisson Ave. Area WMR (water work), Hartford		10,000,000
Boulevard & Garfield Rd WMR (Accelerated Plus), West Hartford		4,000,000
Capitol Ave. Area Water Main Replacement, Hartford		11,500,000
Hartford Hospital Area WMR (water work), Hartford		7,100,000
Bishop's Corner Water Main Replacement, West Hartford		3,900,000
Water Storage Tank Rehabilitation and Improvement		800,000
Advanced Meter Reading Program		1,500,000
Water Service Inventory and Mapping		1,750,000
Raw Water Transmission Main Rehabilitation		250,000
Nepaug Dam Concrete Rehab & Stability Improvements Design		250,000

Water Total **\$ 46,650,000**

Combined

Facilities/Staffing

Fleet and Equipment Replacement and Upgrades	\$	2,550,000
Inspection Services		2,500,000
Engineering Services		4,800,000
Construction Services		2,000,000
Technical Services		5,000,000

Combined Total **\$ 16,850,000**

Total 2022 Appropriations **\$ 94,600,000**

2022 Capital Improvement Program

Sewer

The following is a list of the recommended wastewater system programs and projects to be funded through the MDC's 2022 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.

Wastewater

Wastewater Collection

Various Sewer Pipe Replacement/Rehabilitations	\$	7,500,000
Hartford Large Diam. Sewer Rehabilitation Program - Phase 2		9,900,000
Easement Sewer Lining Program - Phase 1		6,200,000
Hartford Hospital Area Water Main Replacement, Hartford		600,000
Farmington 11 / Sisson Ave. Area WMR, Hartford		1,100,000
Private Property Inflow Disconnect Program		2,100,000
Brookside Rd. Sanitary Pump Station Replacement		3,700,000
Wastewater Total	\$	31,100,000

2022 Capital Improvement Program

Sewer

Program – Various Sewer Pipe Replacement/Rehabilitations

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$7,500,000	C-22010	2110

Description

Design and construction of sewer system upgrades, replacements and rehabilitation measures necessary as a result of aging and deteriorating infrastructure located District-wide. The replacement, rehabilitation and or upgrade of District equipment. District and outside 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 other projects are anticipated over the next four years.

Bond Language

The sum of \$7,500,000 is hereby appropriated for the design and construction of sewer system upgrades, replacements and rehabilitation measures, including inspection costs, engineering and professional fees, materials, the replacement, rehabilitation and upgrade of District 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.

2022 Capital Improvement Program

Sewer

Program – Hartford Large Diam. Sewer Rehabilitation Program - Phase 2

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$9,900,000	C-22011	2110

Description

Rehabilitation of large diameter sewers (combined and separated) within the Hartford Water Pollution Control Facility sewershed, as required to maintain adequate collection system capacities. Sewer rehabilitation based on recommendations from recently completed large diameter sewer inspection programs. 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 \$9,900,000 is hereby appropriated for the rehabilitation of large diameter sewers (combined and separated) within the Hartford Water Pollution Control Facility sewershed as required to maintain adequate collection system capacities, 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

2022 Capital Improvement Program

Sewer

Program – Easement Sewer Lining Program - Phase 1

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$6,200,000	C-22012	2110

Description

Rehabilitation of cross country (easement) sewers (combined and separated) located throughout the District. This project will reduce CSO & SSOs in the collection system, via I/I reduction and removal of debris. 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 four years

Bond Language

The sum of \$6,200,000 is hereby appropriated for the rehabilitation of cross country (easement) sewers (combined and separated) located throughout the District, including design, construction and inspection costs, debris removal, 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.

2022 Capital Improvement Program

Sewer

Program – Hartford Hospital Area Water Main Replacement Sewer Work

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$600,000	C-22013	2110

Description

Sewer rehabilitation surrounding Hartford Hospital to include, but not limited to point repairs on Essex Street and Hudson Street, CIPP lining on Washington Street, Jefferson Street, and Essex Street. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To upgrade sanitary sewer pipelines and structures within the vicinity of a District water main replacement project.

Future Appropriations

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

Bond Language

The sum of \$600,000 is hereby appropriated for (i) sewer rehabilitation work surrounding Hartford Hospital in Hartford, including, but not limited to, point repairs on Essex Street and Hudson Street in Hartford and CIPP lining on Washington Street, Jefferson Street and Essex Street in Hartford and (ii) 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.

2022 Capital Improvement Program

Sewer

Program – Farmington 11 / Sisson Ave. Area WMR Sewer Work

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,100,000	C-22014	2110

Description

Sanitary sewer and lateral rehabilitation along streets including, but not limited to Farmington Ave, Sisson Ave, Sherman St, Lorraine St, Denison St, Frederick St and Owen St and surrounding areas. Design and construction of sewer system repairs, replacements and rehabilitation measures as a result of aging and deteriorating infrastructure. 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 sanitary sewer pipelines and structures within the vicinity of a District water main replacement project.

Future Appropriations

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

Bond Language

The sum of \$1,100,000 is hereby appropriated for sanitary sewer and lateral rehabilitation measures along streets in the Farmington Avenue/Sisson Avenue area in Hartford, including, but not limited to, Farmington Avenue, Sisson Avenue, Sherman Street, Lorraine Street, Denison Street, Frederick Street and Owen Street and 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.

2022 Capital Improvement Program

Sewer

Program – Private Property Inflow Disconnect Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,100,000	C-99V22	2110

Description

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 backwater valves, and/or additional work required to remove private inflow sources as needed to protect customers from sewer surcharging. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To eliminate stormwater from the sanitary sewer system.

Future Appropriations

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

Bond Language

The sum of \$2,100,000 is hereby appropriated for (i) the inspection of private property sewer laterals in order to identify defects and/or infiltration sources, (ii) the installation and/or replacement of backwater valves and any work required to remove private inflow sources as needed to protect customers from sewer surcharging and (iii) 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.

2022 Capital Improvement Program

Sewer

Program – Brookside Rd. Sanitary Pump Station Replacement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,700,000	C-22015	2110

Description

Design and construction for the replacement of the Brookside Road Sanitary Pump Station, including replacement of existing mechanical, structural, electrical, and controls systems and the installation of an odor control system. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace the pump station that has deteriorated beyond repair or rehabilitation.

Future Appropriations

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

Bond Language

The sum of \$3,700,000 is hereby appropriated for design and construction costs for the replacement of the Brookside Road Sanitary Pump Station, including replacement of existing mechanical, structural, electrical and controls systems and the installation of an odor control system and (ii) 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.

2022 Capital Improvement Program

Water

The following is a list of the recommended water system programs and projects to be funded through the MDC's 2022 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.

Water

Water Supply, Treatment, Transmission and Distribution

General Purpose Water	\$	2,200,000
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Water Distribution

Paving Program & Restoration		3,400,000
Farmington 11 / Sisson Ave. Area Water Main Replacement, Hartford		10,000,000
Boulevard & Garfield Rd WMR (Accelerated Plus), West Hartford		4,000,000
Capitol Ave. Area Water Main Replacement, Hartford		11,500,000
Hartford Hospital Area Water Main Replacement, Hartford		7,100,000
Bishop's Corner Water Main Replacement, West Hartford		3,900,000
Water Storage Tank Rehabilitation and Improvement		800,000
Advanced Meter Reading Program		1,500,000
Water Service Inventory and Mapping		1,750,000
Raw Water Transmission Main Rehab		250,000
Nepaug Dam Concrete Rehab & Stability Improvements Design		250,000

Water Total	\$	46,650,000
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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.

2022 Capital Improvement Program

Water

Program – General Purpose Water Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,200,000	C-22000	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 SCADA and data collection/evaluation systems. Consultant, contractor, or district forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

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

Future Appropriations

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

Bond Language

The sum of \$2,200,000 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.

2022 Capital Improvement Program

Water

Program – Paving Program and Restoration

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,400,000	C-99P22	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 \$3,400,000 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.

2022 Capital Improvement Program

Water

Program – Farmington 11 / Sisson Ave. Area Water Main Replacement Water Work

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$10,000,000	C-22001	2120

Description

Construction, construction management, inspection and associated work for the replacement of existing water mains and service reconnections along streets including, but not limited to Farmington Ave, Sisson Ave, Sherman St, Lorraine St, Denison St, Frederick St and Owen St, and surrounding areas in Hartford. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging water mains with multiple break history.

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$10,000,000 is hereby appropriated for construction, construction management and inspection costs for the replacement of existing water mains and service reconnections in the Farmington Avenue/Sisson Avenue area in Hartford including, but not limited to, Farmington Avenue, Sisson Avenue, Sherman Street, Lorraine Street, Denison Street, Frederick Street and Owen Street and 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.

2022 Capital Improvement Program

Water

Program – Boulevard & Garfield Rd WMR (Accelerated Plus)

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$4,000,000	C-22002	2120

Description

Construction, construction management, inspection and associated work for the replacement of existing water mains along streets including, but not limited to Boulevard and Garfield Road, and surrounding areas in West Hartford. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging and undersized water mains with multiple break history.

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$4,000,000 is hereby appropriated for construction, construction management and inspection costs for the replacement of existing water mains in the Boulevard and Garfield Road area in West Hartford, 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.

2022 Capital Improvement Program

Water

Program – Capitol Ave. Area Water Main Replacement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$11,500,000	C-22003	2120

Description

Construction, construction management, inspection and associated work for the replacement of approximately 10,000 LF existing water mains along streets including, but not limited to Capitol Ave, Beacon St, Natalie St, Rowe Ave, James St, Dorothy St, Ashton St and Heath St, and surrounding areas in Hartford. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging and undersized water mains with multiple break history.

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$11,500,000 is hereby appropriated for construction, construction management and inspection costs for the replacement of approximately 10,000 LF of existing water mains in the Capitol Avenue area in Hartford, including, but not limited to, Capitol Avenue, Beacon Street, Natalie Street, Rowe Avenue, James Street, Dorothy Street, Ashton Street and Heath Street, 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.

2022 Capital Improvement Program

Water

Program – Hartford Hospital Area Water Main Replacement Water Work

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$7,100,000	C-22004	2120

Description

Construction, construction management, inspection, and associated work for the replacement of existing water mains and service reconnections along streets surrounding Hartford Hospital including, but not limited to Washington Street, Jefferson Street, Seymour Street, Retreat Avenue, Essex Street and surrounding areas in Hartford. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging and undersized water mains with multiple break history.

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$7,100,000 is hereby appropriated for construction, construction management and inspection costs for the replacement of existing water mains and service reconnections along streets surrounding Hartford Hospital in Hartford including, but not limited to, Washington Street, Jefferson Street, Seymour Street, Retreat Avenue and Essex Streets, 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.

2022 Capital Improvement Program

Water

Program – Bishop's Corner Water Main Replacement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,900,000	C-22005	2120

Description

Construction, construction management, inspection and associated work for the replacement of existing water mains and service reconnections in surrounding areas of Bishop's Corner in West Hartford District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging and undersized water mains with multiple break history

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$3,900,000 is hereby appropriated for construction, construction management and inspection costs for the replacement of existing water mains and service reconnections in surrounding areas of Bishop's Corner in West Hartford, 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.

2022 Capital Improvement Program

Water

Program – Water Storage Tank Rehabilitation and Improvement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$800,000	C-22006	2120

Description

To extend the lifespan, improve the condition and enhance the water quality, security, efficiency and safety of the District's water storage tanks and basins. Scope of work includes the painting, rehabilitation and site safety, and site utility improvements to Day Hill Water Storage Tank in Windsor as well as Day Hill Pressure Reducing Valves. Projects may also include electrical, mechanical, structural, or site safety upgrades. District and outside forces may be utilized for this program. District costs may include salary, benefits & overhead.

Purpose

To improve the lifespan and functionality of District water storage tanks/basins.

Future Appropriations

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

Bond Language

The sum of \$800,000 is hereby appropriated to extend the lifespan, improve the condition and enhance the water quality, security, efficiency and safety of the District's water storage tanks and basins, including design, construction and inspection costs, painting and rehabilitation costs, site safety improvements and upgrades, site utility improvements to the Day Hill Water Storage Tank in Windsor and Day Hill Pressure Reducing Valves, engineering and professional fees, electrical, mechanical and structural upgrades, 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.

2022 Capital Improvement Program

Water

Program – Advanced Meter Reading Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,500,000	C-99M22	2120

Description

The program standardizes and replaces water meters and meter reading devices District-wide. District and outside forces may be utilized for this program. 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 other projects are anticipated over the next four years.

Bond Language

The sum of \$1,500,000 is hereby appropriated to standardize and replace water meters and meter reading devices in the District, including construction, and inspection costs, engineering and professional fees, materials, equipment, 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.

2022 Capital Improvement Program

Water

Program – Water Service Inventory and Mapping

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,750,000	C-22007	2120

Description

Create an electronic inventory of water service diameter, material, installation year, and other information and organize it by property. Information will be electronically mapped to records District-wide. District and outside forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To map service lines in an electronic format as well as linking service card to the property address for easier identification in the future. Identification and investigation of any unknown water service materials of any material and size, including customer outreach and inspection.

Future Appropriations

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

Bond Language

The sum of \$1,750,000 is hereby appropriated to create an electronic inventory of water service diameter, material, installation year and other information and organize it by property, including design 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.

2022 Capital Improvement Program

Water

Program – Raw Water Transmission Main Rehab

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$250,000	C-22008	2120

Description

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 pipeline and transmission main infrastructure

Future Appropriations

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

Bond Language

The sum of \$250,000 is hereby for the design and construction of improvements to the raw water supply pipelines and related appurtenances such as blow-offs and access manholes, including 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.

2022 Capital Improvement Program

Water

Program – Nepaug Dam Concrete Rehab & Stability Improvements Design

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$250,000	C-22009	2120

Description

Design services for concrete rehabilitation and possible stabilization of the Nepaug Dam, pending the results of a 3D Stability Analysis 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 may include structural, mechanical, electrical, instrumentation, and controls systems.

Future Appropriations

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

Bond Language

The sum of \$250,000 is hereby for design services for concrete rehabilitation and possible stabilization of the Nepaug Dam, including 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.

2022 Capital Improvement Program

Combined

The following is a list of the recommended combined capital programs and projects to be funded through the MDC's 2022 Capital Improvement Program budget. These capital programs and projects provide for needed fleet and equipment replacement and upgrades, facility improvements and staffing. Each is considered to be a separate undertaking in accordance with Section 3-11 of the Charter of the Metropolitan District.

Combined

Facilities/Staffing

Fleet and Equipment Replacement and Upgrades	\$	2,550,000
Inspection Services		2,500,000
Engineering Services		4,800,000
Construction Services		2,000,000
Technical Services		5,000,000
Combined Total	\$	16,850,000

2022 Capital Improvement Program

Combined

The following positions are included in the combined capital program:

Authorized Positions

<u>Title</u>	<u>Number</u>
Construction Manager	8
Construction Services Supervisor	4
Design Manager	1
Durational Project Engineer	1
Engineering Technician 2	3
Engineering Technician 3	1
Manager of Construction & Inspection Services	1
Manager of Technical Services	1
Principal Constr. Engineer-Tech 1	1
Project Engineer 1	2
Project Engineer 2	6
Project Managers	7
Senior Clerk	2
Senior Engineer Technician	1
Real Estate Administrator	1
Senior Project Manager	5
Survey Chief of Party	<u>2</u>
Total	47

2022 Capital Improvement Program

Combined

Program – Fleet and Equipment Replacement and Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,550,000	C-99F22	2130

Description

This program consists of replacement and/or upgrades to the District's transportation and power-operated equipment fleet and related/associated components. This project will replace approximately 16 vehicles including pick-up trucks, dump trucks, and utility vans and 10 generators both fixed and mounted as part of the Fleet Modernization Plan. 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

Additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$2,550,000 is hereby appropriated for the replacement of and/or upgrades to the District's transportation and power operated equipment fleet and related/associated components, including trucks, utility vans, generators, 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

2022 Capital Improvement Program

Combined

Program – Inspection Services

<u>Amount</u> \$2,500,000	<u>Funds Center</u> C1H02	<u>Fund</u> 2130
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Description

Staffing costs

Purpose

The Inspection Services department holds responsibility for the construction inspection of all water and sewer projects within the District's service area, including projects installed under District contract and developer permit agreements.

Future Appropriations

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

Bond Language

The sum of \$2,500,000 is hereby appropriated for the construction inspection of all water and sewer projects within the District's service area, including projects installed under District contract and developer permit agreements, including engineering and 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>
Senior Clerk	1
Engineering Technician 3	1
Senior Engineer Technician	1
Construction Services Supervisor	4
Principal Constr. Engineer-Tech 1	<u>1</u>
Total	8

2022 Capital Improvement Program

Combined

Program - Engineering Services

<u>Amount</u> \$4,800,000	<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 \$4,800,000 is hereby appropriated for engineering services 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>
Design Manager	1
Construction Manager	4
Project Engineer 1	1
Project Manager	3
Project Engineer 2	4
Senior Project Manager	<u>2</u>
Total	15

2022 Capital Improvement Program

Combined

Program - Construction Services

<u>Amount</u>	<u>Funds Center</u>	<u>Fund</u>
\$2,000,000	C1H04	2130

Description

Staffing costs

Purpose

The Construction Services department holds responsibility for the management of all 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 sewer treatment plants.

Future Appropriations

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

Bond Language

The sum of \$2,000,000 is hereby appropriated for construction services 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, including engineering and 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>
Mgr. of Construction & Inspection Srvs	1
Construction Manager	3
Project Engineer 2	<u>1</u>
Total	5

2022 Capital Improvement Program

Combined

Program - Technical Services

Amount
\$5,000,000

Funds Center
C1H05

Fund
2130

Description

Staffing costs

Purpose

The Technical Services department holds responsibility for providing technical support to all of the District's capital improvement projects and Clean Water Project 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 \$5,000,000 is hereby appropriated for technical services to provide technical support for the District's capital improvement projects and clean water 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>
Manager of Technical Services	1
Durational Project Engineer	1
Construction Manager	1
Project Engineer 2	1
Project Engineer 1	1
Project Manager	4
Senior Clerk	1
Senior Project Manager	3
Engineering Tech 2	3
Survey Chief of Party	2
Real Estate Administrator	1
Total	19

2022 Capital Improvement 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

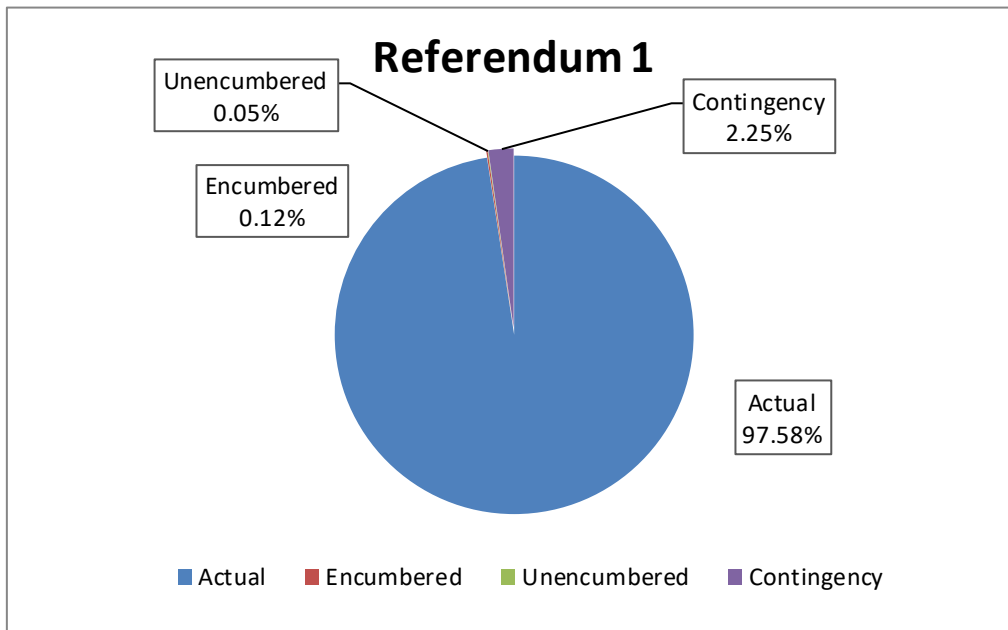
The 2006 Clean Water Project Referendum Fund accounts for financial resources to be used for the first phase of the Clean Water Project, which was authorized on November 6, 2006.

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	\$ 780,612,683.20
Encumbered	990,869.22
Unencumbered	384,922.01
Contingency	18,011,525.57
	<u><u>\$ 800,000,000.00</u></u>



2022 Capital Improvement Program

Referendum 1

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	1,136,426.72	421,425.82	242,147.46
C-15037	CW1.TUNSTH.00 2015 South CSO Convey Tunnel	38,715,110.03	38,562,822.94	133,415.04	18,872.05
		\$ 42,052,610.03	\$ 40,676,818.80	\$ 990,869.22	\$ 384,922.01
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.ES	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	-	-

2022 Capital Improvement 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-Wtflld	4,204,575.71	4,204,575.71	-	-
CW1.SSOWTH.02	2012 RH/Weth. SSES	8,118,002.04	8,118,002.04	-	-
CW1.SSOWTH.03	CLSD-2012 SSO Pilot	2,286,152.78	2,286,152.78	-	-
CW1.SSOWTH.07	CLSD-2012 SSO Exe Sq	125,813.20	125,813.20	-	-
CW1.SSOWTH.08	CLSD- 12 FOLLY BROOK	1,282,440.20	1,282,440.20	-	-
CW1.SSOWTH.10	2014 SSES Rocky Hill	9,469,907.54	9,469,907.54	-	-
CW1.SSSFRA.01	CLSD-Franklin #1- B	1,496,150.82	1,496,150.82	-	-
CW1.SSSFRA.02	CLSD-FranklinAve #7	75,512.19	75,512.19	-	-
CW1.SSSFRA.04	CLSD-Frankln #4 - D	2,134,263.04	2,134,263.04	-	-
CW1.SSSFRA.11	CLSD-Franklin11-Pk A	319,978.07	319,978.07	-	-
CW1.SSSFRA.12	CLSD-Franklin #12 - D	1,556,006.57	1,556,006.57	-	-
CW1.SSSFRA.13	Franklin Proj #13-B	39,696,418.85	39,696,418.85	-	-
CW1.SSSFRA.15	Airport Rd PS F.M.	5,044,260.37	5,044,260.37	-	-
CW1.SSSFRA.16	CLSD- Building Dis 1	543,137.15	543,137.15	-	-
CW1.SSSFRA.17	CLSD-Building Dis 2	400,481.70	400,481.70	-	-
CW1.SSSFRA.18	CLSD-Building Dis 3	316,932.80	316,932.80	-	-
CW1.SSSFRA.1A	CLSD-Franklin Ave- D	804,840.39	804,840.39	-	-
CW1.SSSFRA.4D	Franklin Proj #5-D	31,622,890.67	31,622,890.67	-	-
CW1.SSSFRA.PD	CLSD-Franklin Ave PD	2,032,185.44	2,032,185.44	-	-
CW1.SSSPAR.01	CLSD-Park River #1	580,483.36	580,483.36	-	-
CW1.SSSPAR.03	CLSD-Park River #3	904,041.42	904,041.42	-	-
CW1.SSSPAR.06	CLSD-Green Capital	983,689.36	983,689.36	-	-
CW1.SSSPAR.07	CLSD-Retreat Avenue	9,331,401.93	9,331,401.93	-	-
CW1.SSSPAR.PD	CLSD-Park River Sep	683,914.79	683,914.79	-	-
CW1.WTFHAR.01	CLSD-HWPCF Master	9,736,407.51	9,736,407.51	-	-
CW1.WTFHAR.08	CLSD-Incin #3 Rehab	43,055,158.32	43,055,158.32	-	-
CW1.WTFHAR.10	CLSD-HWPCF SCADA	854,591.82	854,591.82	-	-
CW1.WTFHAR.11	CLSD-UV Disinfection	19,105,159.61	19,105,159.61	-	-
CW1.WTFHAR.12	CLSD-Compost Bldg	1,112,844.65	1,112,844.65	-	-
CW1.WTFHAR.13	CLSD-Aeration Settle	39,458,279.26	39,458,279.26	-	-
CW1.WTFHAR.14	ASH HAND & MERCURY	14,117,939.49	14,117,939.49	-	-
CW1.WTFHAR.16	CLSD-BNR Phase II	35,419,750.97	35,419,750.97	-	-
CW1.WTFHAR.17	CLSD-2011 Solids Hlg	779,406.04	779,406.04	-	-
CW1.WTFHAR.E1	Clsd07 CWP HWPCF PHI	5,200,006.71	5,200,006.71	-	-
CW1.WTFRKH.03	CLSD-Rocky Hill	261,359.38	261,359.38	-	-
CW1.NSSTOW.02	2010 Tower Ave South	10,000.00	10,000.00	-	-
CW1.SSONWT.07	2012 Cedar Newington	3,937,769.30	3,937,769.30	-	-
CW1.SSORKH.07	2012 RH Interceptor	32,862,055.42	32,862,055.42	-	-
CW1.SSOGEN.13	2013 SSO Elimination	1,604,178.02	1,604,178.02	-	-
CW1.SSSPAR.11	2013 Green Infrastructure	605,082.99	605,082.99	-	-
CW1.WTFHAR.20	2013 WWEP #2012-20	90,168,900.86	90,168,900.86	-	-
CW1.WTFHAR.18	2011 Wet Weather Expenses	31,494,239.87	31,494,239.87	-	-
		\$ 739,935,864.40	\$ 739,935,864.40	\$ -	\$ -

2022 Capital Improvement 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

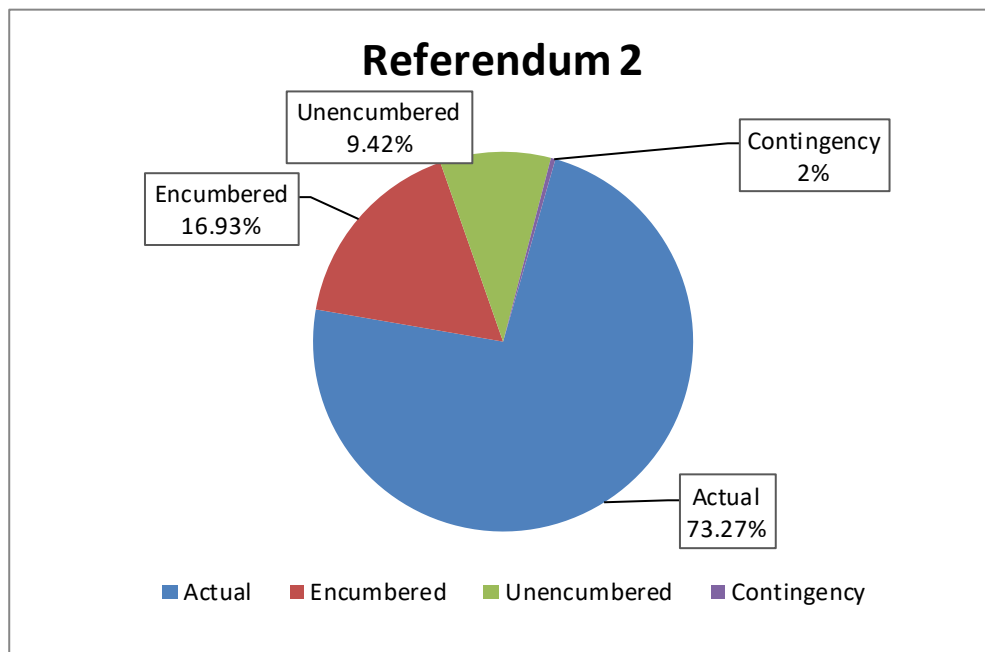
Description

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	\$ 702,517,592.80
Encumbered	162,286,671.78
Unencumbered	90,281,889.00
Contingency	3,713,846.42
	<u>\$ 958,800,000.00</u>



2022 Capital Improvement Program

Referendum 2

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./Oxfor	2,500,000.00	1,834,890.51	365,356.51	299,752.98
C-15033	CW2.TUNSTH.04 2015 SHCST	62,460,000.00	50,000.00	-	62,410,000.00
C-15034	CW2.TUNSTH.05 2015 SHCST	47,529,124.73	26,489,497.04	16,349,355.78	4,690,271.91
C-15035	CW2.TUNSTH.02 2015 SHCST Construction	336,495,845.00	287,470,574.12	35,860,601.72	13,164,669.16
C-15036	CW2.TUNSTH.03 2015 SHCST Pump Station	110,820,000.00	36,849.19	107,620,000.00	3,163,150.81
C-16012	CW2.NSSGRA.04 2016 Bloomfield SSES	1,200,000.00	892,702.18	31,848.59	275,449.23
C-4A02	PMC 2021	4,388,168.04	3,457,248.27	930,919.77	-
C-4A02	PMC 2020	4,657,666.82	3,567,036.36	1,090,630.46	-
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	7,113,481.77	1,280,411.89	25,000.00	5,808,069.88
		\$ 775,356,589.96	\$ 522,788,029.18	\$ 162,286,671.78	\$ 90,281,889.00
CW2.000000.00	Referendum 2 Contingency	\$ 3,713,846.42			
	Completed Projects	179,729,563.62			
	Referendum 2	\$ 958,800,000.00			

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	\$ -	\$ -

2022 Capital Improvement Program

Supplemental

DISTRICT BOARD CLOSEOUT OF CAPITAL IMPROVEMENT PROJECTS

To: District Board June 7, 2021

From: Board of Finance

The District has undertaken the task of updating its Capital Improvement Project (CIP) records. The task includes the identification of projects which have been completed, canceled, or had a change of scope. Based upon the review, District staff now recommends that the following projects be closed.

WATER CAPITAL IMPROVEMENT PROJECTS

Proj. Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-10003/WAT.CW1246.01	2010	2120	WM Replacement Htfd	Hartford	\$ 1,000,000.00	\$ 549,742.16	\$ 450,257.84
	2010 Total				1,000,000.00	549,742.16	450,257.84
C-11000/WAT.CW1308.01	2011	2120	Water Supply & Watershed Land Imp	Various	1,600,000.00	1,563,239.47	36,760.53
C-11001/WAT.CW1309.01	2011	2120	Water Pump Station Improvements	Various	1,200,000.00	870,896.86	329,103.14
	2011 Total				2,800,000.00	2,434,136.33	365,863.67
C-99M13/WAT.CW1358.01	2013	2120	Meter Replacement	Various	5,000,000.00	3,277,388.61	1,722,611.39
	2013 Total				5,000,000.00	3,277,388.61	1,722,611.39
C-14001/WDS.DM0014.01	2014	2120	General Purpose Water	Various	3,500,000.00	3,282,924.15	217,075.85
C-14004/WDS.TM0014.01	2014	2120	Various Transmission Main	Various	2,100,000.00	969,808.41	1,130,191.59
C-14006/WDS.TM0414.01	2014	2120	Transmission Main Ext Newington	Newington	3,500,000.00	1,461,372.68	2,038,627.32
	2014 Total				9,100,000.00	5,714,105.24	3,385,894.76
C-15000/WDS.BL0015.01	2015	2120	WHWTF Water Storage Improvements	West Hartford	2,900,000.00	2,662,336.47	237,663.53
C-15002/WDS.TM0015.01	2015	2120	Various Transmission Main	Various	2,000,000.00	1,241,236.07	758,763.93
C-15005/WDS.TM0215.01	2015	2120	Garden St Area WMR	Wethersfield	3,000,000.00	2,166,823.80	833,176.20
C-15008/WDS.PS1815.01	2015	2120	Puddletown Booster WPS	New Hartford	3,300,000.00	515,481.90	2,784,518.10
C-15018/WSH.RW0015.01	2015	2120	Raw Water Pipeline Improvements Ph 2	Various	5,000,000.00	-	5,000,000.00
C-15019/WTF.BN01515.01	2015	2120	Reservoir #6 Basin Improvements	Bloomfield	1,000,000.00	-	1,000,000.00
C-99M15/WDS.MT0015.01	2015	2120	RFA Meter Reading Program	Various	4,500,000.00	1,972,788.01	2,527,211.99
	2015 Total				21,700,000.00	8,558,666.25	13,141,333.75
C-16001/WDS.DM0716.01	2016	2120	Simmons Rd Area WM	East Hartford	3,800,000.00	1,942,228.14	1,857,771.86
	2016 Total				3,800,000.00	1,942,228.14	1,857,771.86
C-17001/WDS.DM0117.01	2017	2120	Bond St Area WM Replacement	Hartford	5,100,000.00	3,728.04	5,096,271.96
C-17009/WTF.BN0517.01	2017	2120	Reservoir #6 Filtered Basin Rehabilitation	Bloomfield	6,500,000.00	-	6,500,000.00
C-17011/WTF.TP1017.01	2017	2120	WHWTF Pipe and Valve Replacement	W. Hartford	1,500,000.00	-	1,500,000.00
C-99H17/WDS.EQ0017.01	2017	2120	Hydrant Replacement Program	Various	1,600,000.00	236,933.18	1,363,066.82
C-99M17/WDS.MT0017.01	2017	2120	Meter Replacement	Various	1,500,000.00	509,633.56	990,366.44
C-99P17/WDS.DM0017.02	2017	2120	Paving Program	Various	3,500,000.00	2,904,203.38	595,796.62
	2017 Total				19,700,000.00	3,654,498.16	16,045,501.84
C-99M18/WDS.MT0018.01	2018	2120	Meter Replacement	Various	1,000,000.00	601,973.46	398,026.54
	2018 Total				1,000,000.00	601,973.46	398,026.54
	Grand Total				\$ 64,100,000.00	\$ 26,732,738.35	\$ 37,367,261.65

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SEWER CAPITAL IMPROVEMENT PROJECTS

Proj. Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-07000/WWA.CS1140.01	2007	2110	WPCF Security & Communications	MDC	\$ 3,200,000.00	\$ 2,587,466.24	\$ 612,533.76
	2007 Total				3,200,000.00	2,587,466.24	612,533.76
C-08000/WWA.CS1128.01	2008	2110	WPC Infrastructure R&I	MDC	2,000,000.00	1,868,664.71	131,335.29
	2008 Total				2,000,000.00	1,868,664.71	131,335.29
C-09002/WWA.CS1134.01	2009	2110	WPC Infrastructure R&I	MDC	4,455,000.00	4,341,413.96	113,586.04
	2009 Total				4,455,000.00	4,341,413.96	113,586.04
C-10005/WWA.CS1154.01	2010	2110	Dividend Brook Area	Rocky Hill	4,800,000.00	423,071.84	4,376,928.16
	2010 Total				4,800,000.00	423,071.84	4,376,928.16
C-13006/WWA.CS1206.01	2013	2110	Meadow St Sewer Pump Station	Newington	620,000.00	519,687.51	100,312.49
C-13007/WWA.CS1211.01	2013	2110	Oakwood Ave Sewer	West Hartford	4,560,000.00	1,978,884.07	2,581,115.93
C-20016/WWA.CS1214.01	2013	2110	2013-General Purpose Sewer	Hartford	61,866.57	61,866.57	-
	2013 Total				5,241,866.57	2,560,438.15	2,681,428.42
C-14014/SCS.SR0014.03	2014	2110	Sewer Rehabilitation Program	Various	5,000,000.00	3,512,918.30	1,487,081.70
C-14017/SCS.SR0114.02	2014	2110	Madison Ave Sewer Rehab	Hartford	1,000,000.00	236,663.51	763,336.49
	2014 Total				6,000,000.00	3,749,581.81	2,250,418.19
C-15015/WPC.FA0115.04	2015	2110	HWPCF SPB Electrical Upgrade	Hartford	4,600,000.00	4,522,724.51	77,275.49
C-15023/SCS.SR0015.03	2015	2110	Folly Brook Sewershed	Various	5,000,000.00	1,463.81	4,998,536.19
C-15026/SCS.SR0015.07	2015	2110	Various Sewer Pipe R&R	Various	5,000,000.00	4,913,542.56	86,457.44
C-99P15/SCS.SR0015.08	2015	2110	Paving Program	Various	2,500,000.00	2,135,258.16	364,741.84
	2015 Total				17,100,000.00	11,572,989.04	5,527,010.96
C-16006/SCS.SR0016.02	2016	2110	Various Sewer Pipe R&R	Various	1,000,000.00	755,069.13	244,930.87
	2016 Total				1,000,000.00	755,069.13	244,930.87
C-17013/SCS.SR0017.02	2017	2110	Dividend Brook Dam Area	Rocky Hill	5,600,000.00	-	5,600,000.00
C-17017/SCS.SR0017.07	2017	2110	Various Sewer Segment R&R	Various	2,000,000.00	1,824,855.57	175,144.43
C-17018/SCS.SR0117.01	2017	2110	Bond St Area Sewer	Hartford	400,000.00	-	400,000.00
C-99P17/SCS.SR0017.04	2017	2110	Paving Program	Various	1,500,000.00	750,800.76	749,199.24
	2017 Total				9,500,000.00	2,575,656.33	6,924,343.67
C-18012/SCS.SR0018.05	2018	2110	Various Sewer Pipe R&R	Various	4,000,000.00	3,901,409.49	98,590.51
	2018 Total				4,000,000.00	3,901,409.49	98,590.51
	Grand Total				\$ 57,296,866.57	\$ 34,335,760.70	\$ 22,961,105.87

COMBINED CAPITAL IMPROVEMENT PROJECTS

Proj. Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-13017/COM.CFP179.01	2013	2113	Land Improvements	MDC	\$ 1,000,000.00	\$ 604,478.53	\$ 395,521.47
	2013 Total				1,000,000.00	604,478.53	395,521.47
C-15030/COM.EQ0015.01	2015	2113	IT Finance Modules	MDC	5,000,000.00	5,000,000.00	-
C-15031/COM.EQ0015.02	2015	2113	IT Operational Modules	MDC	5,000,000.00	4,999,193.58	806.42
C-15032/COM.EQ0015.03	2015	2113	IT- BT SAP Upgrade	MDC	5,000,000.00	4,955,455.32	44,544.68
C-99F15/COM.VE0015.01	2015	2113	Fleet Replacement	MDC	2,100,000.00	2,080,910.13	19,089.87
	2015 Total				17,100,000.00	17,035,559.03	64,440.97
C-16009/COM.TK0016.01	2016	2113	UST Removal	MDC	800,000.00	640,577.85	159,422.15
	2016 Total				800,000.00	640,577.85	159,422.15
C-99F18/COM.VE0018.01	2018	2113	Fleet Replacement	MDC	800,000.00	788,819.40	11,180.60
	2018 Total				800,000.00	788,819.40	11,180.60
COM.OT0019.01	2019	2113	Construction Services	MDC	3,500,000.00	2,149,159.50	1,350,840.50
COM.OT0019.02	2019	2113	Engineering Services	MDC	2,500,000.00	2,297,449.95	202,550.05
COM.OT0019.03	2019	2113	Survey & Construction	MDC	5,000,000.00	4,183,802.92	816,197.08
COM.OT0019.04	2019	2113	Technical Services	MDC	3,400,000.00	3,353,371.46	46,628.54
	2019 Total				14,400,000.00	11,983,783.83	2,416,216.17
	Grand Total				\$ 34,100,000.00	\$ 31,053,218.64	\$ 3,046,781.36

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CLOSEOUT OF ASSESSABLE SEWER PROJECT

Proj. Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance (UnAuthorize)
C-10006/WWA.CSA446.20	2010	2130	Back Lane	Newington	\$ 256,000.00	\$ 14,127.34	\$ 241,872.66
Grand Total					\$ 256,000.00	\$ 14,127.34	\$ 241,872.66

After reviewing the information contained herein

At a meeting of the Board of Finance held on May 12, 2021, it was:

Voted: That the Board of Finance recommends to the District Board passage of the following resolution:

Resolved: That the District Board approves appropriation closeouts for the projects listed above.

Respectfully Submitted,

John S. Mirtle, Esq.
District Clerk