

90th

Anniversary

2019 Adopted Capital Improvement Budget



The Metropolitan District
Hartford, CT

Budget Summary

2019 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 objective of the program 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 the effectiveness and useful life of our facilities.

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. Actual 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 included in this budget are improvements and modernization to MDC's Water Pollution Control facilities. The following are some of next year's major expenditures.

Oakwood Avenue Area Sewer Replacement – Phase I	\$7,000,000
Various Sewer Pipe Replacement/Rehabilitation – District wide	\$5,000,000
WPCF Infrastructure Rehabilitation, Upgrades & Replacements	\$4,200,000

Water

This budget will fund improvements to the water infrastructure including treatment plants, pipeline, storage facilities and pump stations. The following are some of the major expenditures for next year.

Water Main Replacement Program, Various Locations	\$8,000,000
Bloomfield Transmission Main Extension – Phase II	\$6,000,000

2019 Capital Improvement Program

Summary

Five-Year Capital Improvement Program

It is anticipated that the District will continue to complete projects associated with the Clean Water Project during 2019. The District will continue to maintain and improve its assets to ensure the safe and efficient operation of service. In addition, the District has undertaken a comprehensive asset management program which involves a systematic replacement of water and sewer infrastructure in a proactive manner.

2019 Capital Improvement Program

Summary

Wastewater	2019	2020	2021	2022	2023
General Purpose Sewer	\$ 1,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000
Paving Program	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Sewer Rehabilitation Program	3,300,000	3,300,000	3,300,000	4,000,000	4,000,000
Various Sewer Pipe Replacement/Rehabilitations - District-wide	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
Assessable Sewer Program	-	100,000	-	-	-
WWPS & Equipment	400,000	-	-	-	-
Dividend Brook Drainage Area (Phase 2)	-	-	-	5,000,000	-
Dividend Brook Drainage Area (Phase 3)	-	-	-	7,500,000	-
Saybrooke and Bonner St Area Water Main Replacement and Sewer Rehab	-	2,000,000	-	-	-
Oakwood Avenue Area Sewer Replacement - Phase I	7,000,000	-	-	-	-
Private Property Inflow Disconnect Program	-	25,000	-	-	-
Backwater Valve Program	-	100,000	-	-	-
Renewable Energy Projects – Sewer Facilities	-	-	-	3,000,000	-
Mountain Farms Area Sewer Main Extension, West Hartford	-	-	10,500,000	-	-
Sewer FM Inspection Program	-	500,000	-	-	-
WPC Infrastructure Rehabilitation, Upgrades & Replacements	4,200,000	5,400,000	8,000,000	5,500,000	7,000,000
Hartford Upgrade Final Site Work (formerly Contract 22)	-	-	-	10,000,000	-
East Hartford WPCF Plant Infrastructure Renewal and Replacements	-	-	3,750,000	-	-
Hartford WPCF Centrifuge Replacement & Overhead Crane	-	-	4,000,000	-	-
Total Wastewater	\$ 23,900,000	\$ 22,425,000	\$ 40,550,000	\$ 46,000,000	\$ 22,000,000

2019 Capital Improvement Program

Summary

Water	2019	2020	2021	2022	2023
General Purpose Water Program	\$ 1,000,000	\$ 3,000,000	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000
Paving Program	5,000,000	4,000,000	4,000,000	4,000,000	4,000,000
District-Wide Water Main Replacement Program	8,000,000	5,000,000	6,000,000	6,000,000	8,000,000
Water Treatment Facility Infrastructure Upgrades	1,900,000	3,000,000	3,500,000	3,000,000	3,500,000
Water Supply Improvements - Facilities	2,200,000	-	1,500,000	1,500,000	150,000
Water Pump Stations Improvements	300,000	500,000	500,000	2,000,000	500,000
Assessable Water Fund	2,500,000	-	-	2,000,000	-
Bloomfield Transmission Main Extension - Phase II	6,000,000	-	-	-	-
Oakwood Avenue Area WMR - Phases I & II	3,000,000	-	-	-	-
Radio Frequency Automated Meter Reading Program	-	-	1,500,000	-	1,000,000
Richards Corner Outlet Channel Improvement	-	2,500,000	-	-	-
WMR Saybrooke & Bonner Area, Hartford	-	5,000,000	-	-	-
Reservoir #1 Dam Improvements	-	8,000,000	-	-	-
Long Hill Road Connector WM	-	2,500,000	-	-	-
WMR Webster Hill Area, West Hartford	-	6,000,000	-	-	-
Water Storage Tank Improvement	-	-	1,000,000	-	1,000,000
Water Supply & Dam Improvement	-	-	4,000,000	-	2,000,000
Land Acquisition for Water Facilities, Supply and Treatment	-	-	1,000,000	-	1,000,000
Hydrant Replacement Program	-	-	1,600,000	-	1,600,000
WMR Church Street, Hartford	-	-	4,000,000	-	-
WH Filters WTP 6 MG Basin Rehabilitation	-	-	-	4,000,000	-
Various Transmission Main Design & Construction	-	-	-	3,500,000	-
WHWTP South Storage Tank Installation	-	-	-	-	7,000,000
WMR Farmington Avenue 11, Hartford	-	-	-	-	3,500,000
Total Water	\$ 29,900,000	\$ 39,500,000	\$ 32,600,000	\$ 30,000,000	\$ 37,250,000

2019 Capital Improvement Program

Summary

Combined	2019	2020	2021	2022	2023
Fleet and Equipment Replacement & Upgrade	\$ 1,700,000	-	\$ 800,000	-	\$ 800,000
Administrative Facility & Equipment Improvements	-	1,000,000	-	1,000,000	-
Information Systems I/T Upgrade	3,200,000	5,000,000	5,000,000	-	-
Survey & Construction	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
Engineering Services	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
Construction Services	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
Technical Services	3,400,000	3,400,000	3,400,000	3,400,000	3,400,000
Total Combined	\$ 19,300,000	\$ 20,400,000	\$ 20,200,000	\$ 15,400,000	\$ 15,200,000

2019 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 \$21,223,042, 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 \$140,000,000 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.

Budget Appropriations

2019 Capital Improvement Program

Appropriation

The Metropolitan District's Capital Improvement Program budget for 2019 totals \$73,100,000 as reflected in the following summary, wastewater programs total \$23,900,000; water programs total \$29,900,000; and combined programs total \$19,300,000.

Wastewater

General Purpose Sewer	\$	1,000,000
Paving Program and Restoration		3,000,000
Sewer Rehabilitation Program		3,300,000
Various Sewer Pipe Replacement/Rehabilitation Program		5,000,000
Wastewater Pump Stations and Equipment		400,000
Oakwood Avenue Area Sewer Replacement - Phase I		7,000,000
Water Pollution Control Facilities Infrastructure Rehabilitation, Upgrades and Replacements		4,200,000
Total Wastewater	\$	23,900,000

2019 Capital Improvement Program

Appropriation

Water

Assessable Water	\$	2,500,000
General Purpose Water Program		1,000,000
Paving Program & Restoration		5,000,000
Water Main Replacement Program		8,000,000
Water Pump Stations and Equipment		300,000
Bloomfield Transmission Main Extension - Phase II		6,000,000
Oakwood Avenue Area Water Main Replacement - Phases I & II		3,000,000
Water Treatment Facilities Infrastructure Rehabilitation, Upgrades & Replacements Including Lab Instrumentation Replacements		1,900,000
Water Supply Infrastructure Rehabilitation, Upgrades & Replacements		2,200,000
Total Water	\$	29,900,000

2019 Capital Improvement Program

Appropriation

Combined

Fleet and Equipment Replacement and Upgrade	\$ 1,700,000
Information Systems Upgrade	3,200,000
Survey & Construction	5,000,000
Engineering Services	2,500,000
Construction Services	3,500,000
Technical Services	3,400,000
Total Combined	\$ 19,300,000

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Wastewater

2019 Capital Improvement Program

Sewer

The following is a list of the recommended wastewater system programs and projects to be funded through the MDC's 2019 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.

Wastewater

General Purpose Sewer	\$	1,000,000
Paving Program and Restoration		3,000,000
Sewer Rehabilitation Program		3,300,000
Various Sewer Pipe Replacement/Rehabilitation Program		5,000,000
Wastewater Pump Stations and Equipment		400,000
Oakwood Avenue Area Sewer Replacement - Phase I		7,000,000
Water Pollution Control Facilities Infrastructure Rehabilitation, Upgrades and Replacements		4,200,000
Total Wastewater	\$	23,900,000

2019 Capital Improvement Program

Sewer

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. The following positions are included in wastewater program:

Authorized Positions

<u>Title</u>	<u>Number</u>
Equipment Operator 1	1
Sewer Maintainer	1
Sewer Maintenance Crew Leader	2
System Repair Supervisor	1
Utility Maintainer 1	1
Utility Maintainer 2	4
Utility Systems Monitoring Tech 1	<u>2</u>
Total	12

2019 Capital Improvement Program

Sewer

Program – General Purpose Sewer Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,000,000	SCS.SR0019.01	5113

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, or renewable energy upgrades at District facilities. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

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.

Future Appropriations

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

Bond Language

The sum of \$1,000,000 is hereby appropriated for the General Purpose Sewer Program including 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 its useful life, and for legal, administrative and other financing costs related thereto. Such Projects may also include electrical, mechanical, or renewable energy upgrades at District facilities. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Sewer

Program – Paving Program and Restoration

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	SCS.SR0019.02	5113

Description

To perform final pavement restoration of roads, sidewalks, driveways, parking lots and other areas disturbed by MDC sewer projects. Also includes costs for disposal of unsuitable materials and usage of material from stock. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To restore sites associated with various sewer installations and replacements.

Future Appropriations

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

Bond Language

The sum of \$3,000,000 is hereby appropriated for final pavement restoration of roads, sidewalks, driveways, parking lots and other areas as well as unpaved areas disturbed by MDC sewer projects, including material disposal and usage of materials from stock, and for legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Sewer

Program – Sewer Rehabilitation Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,300,000	SCS.SR0019.03	5803

Description

Project includes District staffing and equipment and outside services to conduct sewer system investigations (Closed Circuit TV Inspection/Sonar/Laser methods) to support the design and construction of rehabilitation and replacement of the deteriorating segments of the District's sewer infrastructure.

Purpose

The project is being undertaken in accordance with CMOM requirements.

Future Appropriations

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

Bond Language

The sum of \$3,300,000 is hereby appropriated for the conduct of sewer system investigations (using closed circuit TV inspection, sonar or laser methods) to support the design and construction of rehabilitation and replacement of deteriorating segments of the District's sewer infrastructure, including staffing, equipment, legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Authorized Positions

<u>Title</u>	<u>Number</u>	<u>Cost Center</u>
Equipment Operator 1	1	7930001
Sewer Maintainer 1	1	
Sewer Maintenance Crew Leader	2	
System Repair Supervisor	1	
Utility Maintainer 1	1	
Utility Maintainer 2	4	
Utility Systems Monitoring Tech 1	<u>2</u>	
Total	12	

2019 Capital Improvement Program

Sewer

Program – Various Sewer Pipe Replacement/Rehabilitation Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,000,000	SCS.SR0019.04	5113

Description

Design and construction of sewer system upgrades, replacements and rehabilitation measures necessary as a result of aging and deteriorating infrastructure located District-wide. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate or replace sanitary sewer pipelines, including pipelines that include various materials, but not limited to black styrene pipe, tile pipe, concrete pipe etc.

Future Appropriations

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

Bond Language

The sum of \$5,000,000 is hereby appropriated for the design and construction of sewer system upgrades, replacements and rehabilitation measures as a result of aging and deteriorating infrastructure located District-wide including survey, sewer easement clearing, closed circuit TV inspection, the replacement, rehabilitation and or upgrade of District infrastructure, and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Sewer

Program – Wastewater Pump Station Upgrades and Equipment

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$400,000	SCS.PS0019.01	5113

Description

This project will provide for upgrades, replacements and improvements to the District's wastewater pump stations including motors and pumps. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

The pumps and motors in the wastewater pump stations are in need of upgrades to meet modern standards for efficiency, reliability, maintainability and safety.

Future Appropriations

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

Bond Language

The sum of \$400,000 is hereby appropriated for upgrades, replacements and improvements to the District's wastewater pump stations, including motors and pumps, and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Sewer

Program – Oakwood Avenue Area Sewer Replacement – Phase I

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$7,000,000	SCS.SR0019.05	5113

Description

Rehabilitation of sewer mains and lateral replacements in the Oakwood Avenue area in West Hartford from Park Road to Flatbush Avenue. This work is necessary to avoid potential disruption of the sanitary service due to the aging sewer system on Oakwood Avenue.

Purpose

To replace aging pipelines and structures.

Future Appropriations

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

Bond Language

The sum of \$7,000,000 is hereby appropriated for the rehabilitation of sewer mains and lateral replacements in the Oakwood Avenue area of West Hartford from Park Road to Dexter Avenue to restore reliable service and prevent disruptions that occur due to the aging sewer system, and for legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Sewer

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

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$4,200,000	WPC.FA0019.01	5113

Description

Design and construction of a variety of renewal and replacements at the District's four water pollution control facilities to modernize existing systems. This project will also rehabilitate multiple WPC assets to improve operational readiness/reliability and safety, and to increase wastewater processing capabilities. These projects are intended to extend and enhance the asset life. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

On-going work at all four water pollution control facilities to address various mechanical, electrical, instrumentation and controls systems. Safety improvements are also planned.

Future Appropriations

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

Bond Language

The sum of \$4,200,000 is hereby appropriated for the design and construction of a variety of renewal and replacements at the four water pollution control facilities to modernize existing systems, and for legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

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Water

Water

2019 Capital Improvement Program

Water

The following is a list of the recommended water system programs and projects to be funded through the MDC's 2019 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

Assessable Water	\$	2,500,000
General Purpose Water Program		1,000,000
Paving Program & Restoration		5,000,000
Water Main Replacement Program		8,000,000
Water Pump Stations and Equipment		300,000
Bloomfield Transmission Main Extension - Phase II		6,000,000
Oakwood Avenue Area Water Main Replacement - Phases I & II		3,000,000
Water Treatment Facilities Infrastructure Rehabilitation, Upgrades & Replacements Including Lab Instrumentation Replacements		1,900,000
Water Supply Infrastructure Rehabilitation, Upgrades & Replacements		2,200,000
Total Water	\$	29,900,000

2019 Capital Improvement Program

Water

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.

2019 Capital Improvement Program

Water

Program – Assessable Water Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,500,000	WDS.DM0019.01	2113

Description

Extension of various water mains resulting from property owner petitions for public water service within the District's service areas, including but not limited to the following projects: Coleman Road, Feldspar Ridge, Kinne Road and Raymond Road/Kimberly Lane in Glastonbury. District forces may be utilized for this program. District costs may include salary, benefits & overhead.

Purpose

To provide water service to property owners within the District's service areas by extending local water mains.

Future Appropriations

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

Bond Language

The sum of \$2,500,000 is hereby appropriated for the extension of various water mains resulting from property owner petitions for public water service within the District's service area, including the Coleman Road, Feldspar Ridge, Kinne Road and Raymond Road/Kimberly Lane projects in Glastonbury. This appropriation includes costs for design, construction, project administration, legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Water

Program – General Purpose Water Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,000,000	WDS.DM0019.02	2113

Description

To enhance the effectiveness, efficiency and safety of the District's water supply, treatment and distribution system by replacing/rehabilitating aging water mains and related system-wide equipment/infrastructure improvements. Projects may also include electrical, mechanical, or renewable energy upgrades at District facilities. District forces may be utilized. District costs may include salary, benefits & 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 \$1,000,000 is hereby appropriated for the replacement or rehabilitation of aging water mains and related system-wide equipment/infrastructure improvements, and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Water

Program – Paving Program and Restoration

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,000,000	WDS.DM0019.03	2113

Description

To perform final pavement restoration of roads, sidewalks, driveways, parking lots and other areas disturbed by MDC water projects. Also includes costs for disposal of unsuitable materials and usage of material from stock. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To restore the sites as a result of various water main installations.

Future Appropriations

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

Bond Language

The sum of \$5,000,000 is hereby appropriated for final pavement restoration of roads and other areas disturbed by the MDC water projects, including disposal of unsuitable materials and usage of materials from stock, and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Water

Program – Water Main Replacement Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$8,000,000	WDS.DM0019.04	2113

Description

Project includes the 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 replace aging equipment and structures.

Future Appropriations

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

Bond Language

The sum of \$8,000,000 is hereby appropriated for the design, construction, inspection and associated work to replace water mains and water services throughout the District that have exceeded their useful lives and/or have experienced numerous breaks, and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Water

Program – Water Pump Stations Improvement and Equipment

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$300,000	WDS.PS0019.01	2113

Description

Upgrades, replacements and improvements to the District's water pump stations including associated equipment. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To improve efficiency and functionality of District water pump stations

Future Appropriations

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

Bond Language

The sum of \$300,000 is hereby appropriated for upgrades, replacements and improvements to the District's water pump stations, including motors, pumps and associated equipment, and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Water

Program – Bloomfield Transmission Main Extension – Phase II

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$6,000,000	WDS.TM0019.01	2113

Description

Design, construction, inspection and associated work to extend a water transmission main from Brown Street to Woodland Avenue in Bloomfield. District forces may be utilized for this project. District costs may include salary, benefits and overhead.

Purpose

To connect two existing transmission mains, increasing the available water flows in Bloomfield, Windsor and East Granby and decreasing the pressure losses during peak flows.

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$6,000,000 is hereby appropriated for the design, construction, inspection and associated work to extend a transmission main from Brown Street to Woodland Avenue in Bloomfield, and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Water

Program – Oakwood Avenue Area Water Main Replacement – Phases I & II

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	WDS.DM1019.06	2113

Description

Replacement of existing water mains and service replacements in the Oakwood Avenue Area of West Hartford. Phase I will be from Park Road to Flatbush Avenue and Phase II will cover New Park Avenue to Dexter Avenue. The water mains in the project area have experienced numerous leaks/breaks in recent years.

Purpose

To replace aging pipelines and structures.

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$3,000,000 is hereby appropriated for the replacement of water mains and service replacements in the Oakwood Avenue area of West Hartford from Park Road to Dexter Avenue to restore reliable service and prevent disruptions that occur due to the aging water system, and for legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Water

Program – Water Treatment Facilities Infrastructure Rehabilitation, Upgrades & Replacements, Including Laboratory Instrumentation Replacements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,900,000	WTF.TP0019.01	2113

Description

Design and construction of a variety of renewal and replacements, including electrical improvements at the District's three water treatment facilities to modernize existing systems. Multiple water treatment facility assets will be rehabilitated to improve treatment processes, operational reliability, security, and safety. Also included is the replacement of various laboratory equipment that have reached the end of their useful life. These projects are intended to extend and enhance the asset life. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging equipment and infrastructure at West Hartford, Reservoir #6 and Collinsville Water Treatment Facilities.

Future Appropriations

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

Bond Language

The sum of \$1,900,000 is hereby appropriated for the design and construct a variety of renewal and replacements, including electrical improvements at the District's three water treatment facilities to modernize existing systems. Multiple water treatment facility assets will be rehabilitated to improve treatment processes, operational reliability, security and safety. Also included is the replacement of various laboratory equipment that have reached the end of their useful life, and for legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Water

Program – Water Supply Infrastructure Rehabilitation, Upgrades & Replacements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,200,000	WSH.DA0019.01	2113

Description

Design and construction of a variety of renewal and replacements of the District's water supply facilities and functions. Multiple water supply assets will be rehabilitated to improve raw water quality, operational reliability, security and safety. These projects are intended to extend and enhance the asset life. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To extend and enhance the asset life of water supply infrastructure.

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 design and construction of a variety of renewal and replacements at the District's water supply facilities and functions to improve raw water quality, operational reliability, security and safety, and for legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

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Combined

Combined

2019 Capital Improvement Program

Combined

The following is a list of the recommended combined capital programs and projects to be funded through the MDC's 2019 Capital Improvement Program budget. These capital programs and projects provide for needed equipment replacement, technology improvements and the development of long-term strategic initiatives. Each is considered to be a separate undertaking in accordance with Section 3-11 of the Charter of the Metropolitan District.

Combined

Fleet and Equipment Replacement and Upgrade	\$ 1,700,000
Information Systems Upgrade	3,200,000
Survey & Construction	5,000,000
Engineering Services	2,500,000
Construction Services	3,500,000
Technical Services	3,400,000
Total Combined	\$ 19,300,000

2019 Capital Improvement Program

Combined

The following positions are included in the combined capital program:

Authorized Positions

<u>Title</u>	<u>Number</u>
Asst. Mgr of Const & Inspection Services	1
Construction Engineer Support	1
Construction Manager	8
Construction Services Supervisor	4
Design Manager	1
Durational Project Engineer	1
Engineering Technician 2	3
Engineering Technician 3	9
Manager of Construction & Inspection Services	1
Manager of Technical Services	1
Principal Engineer	2
Principal Constr. Engineer Tech 1	1
Project Engineer 1	3
Project Engineer 2	6
Project Managers	11
Senior Clerk	1
Senior Engineer Technician	1
Utility Systems Monitoring Tech1	1
Real Estate Administrator	1
Survey Chief of Operation	1
Survey Chief of Party	<u>2</u>
Total	60

2019 Capital Improvement Program

Combined

Program – Fleet and Equipment Replacement and Upgrade

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,700,000	COM.VE0019.01	5613

Description

This program consists of the replacement and upgrade of transportation and power operated equipment, including but not limited to the purchase of generators, engines and emergency response equipment.

Purpose

To maintain the District's fleet and equipment.

Future Appropriations

Additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$1,700,000 is hereby appropriated for the replacement of transportation and power operated equipment, the purchase of generators, engines and emergency response equipment, and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Combined

Program – Information Systems Upgrade

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,200,000	COM.OT0019.05	5613

Description

The project will support planned upgrades for security, network, and system hardware and software infrastructure. The District costs may include salary, benefits and overhead.

Purpose

To ensure the continued efficient and effective operation of the District's business applications and enhance the benefits of the system.

Future Appropriations

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

Bond Language

The sum of \$3,200,000 is hereby appropriated for the purchase, upgrade and/or replacement of computer related infrastructure and/or software and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

2019 Capital Improvement Program

Combined

Program - Survey & Construction

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,000,000	COM.OT0019.03	5802

Description

Staffing costs

Purpose

The Survey & Construction department holds responsibility for the survey and 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 other projects are anticipated over the next four years.

Bond Language

The sum of \$5,000,000 is hereby appropriated for the survey and construction inspection of all water and sewer projects within the District's service area, including projects installed under District contract and developer permit agreements and legal, administrative other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Authorized Positions

<u>Title</u>	<u>Number</u>	<u>Cost Center</u>
Senior Clerk	1	7930005
Engineering Technician 2	3	
Engineering Technician 3	9	
Construction Engineer Support	1	
Senior Engineer Technician	1	
Survey Chief of Operation	1	
Construction Services Supervisor	4	
Principal Constr. Engineer Tech 1	1	
Survey Chief of Party	<u>2</u>	
Total	23	

2019 Capital Improvement Program

Combined

Program - Engineering Services

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,500,000	COM.OT0019.02	5802

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 other projects are anticipated over the next four years.

Bond Language

The sum of \$2,500,000 is hereby appropriated for developing and designing 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 and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Authorized Positions

<u>Title</u>	<u>Number</u>	<u>Cost Center</u>
Design Manager	1	7930006
Construction Manager	1	
Project Engineer	1	
Project Manager	5	
Project Engineer 2	<u>2</u>	
Total	10	

2019 Capital Improvement Program

Combined

Program - Construction Services

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,500,000	COM.OT0019.01	5802

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 sewage treatment plants.

Future Appropriations

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

Bond Language

The sum of \$3,500,000 is hereby appropriated for the costs of the management of 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 and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Authorized Positions

<u>Title</u>	<u>Number</u>	<u>Cost Center</u>
Mgr. of Construction & Inspection Srvs	1	7930007
Asst. Mgr of Const & Inspection Srvs	1	
Construction Manager	5	
Project Engineer 1	2	
Project Engineer 2	<u>1</u>	
Total	10	

2019 Capital Improvement Program

Combined

Program - Technical Services

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,400,000	COM.OT0019.04	5802

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 other projects are anticipated over the next four years.

Bond Language

The sum of \$3,400,000 is hereby appropriated for technical support to 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 sewage treatment plants and legal, administrative and other financing costs related thereto. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Authorized Positions

<u>Title</u>	<u>Number</u>	<u>Cost Center</u>
Manager of Technical Services	1	7930008
Durational Project Engineer	1	
Construction Manager	2	
Principal Engineer	1	
Project Engineer 2	3	
Project Engineer 1	1	
Project Manager	6	
Utility Systems Monitoring Tech1	1	
Real Estate Administrator	<u>1</u>	
Total	17	

Clean Water Program

2019 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	5300

Description

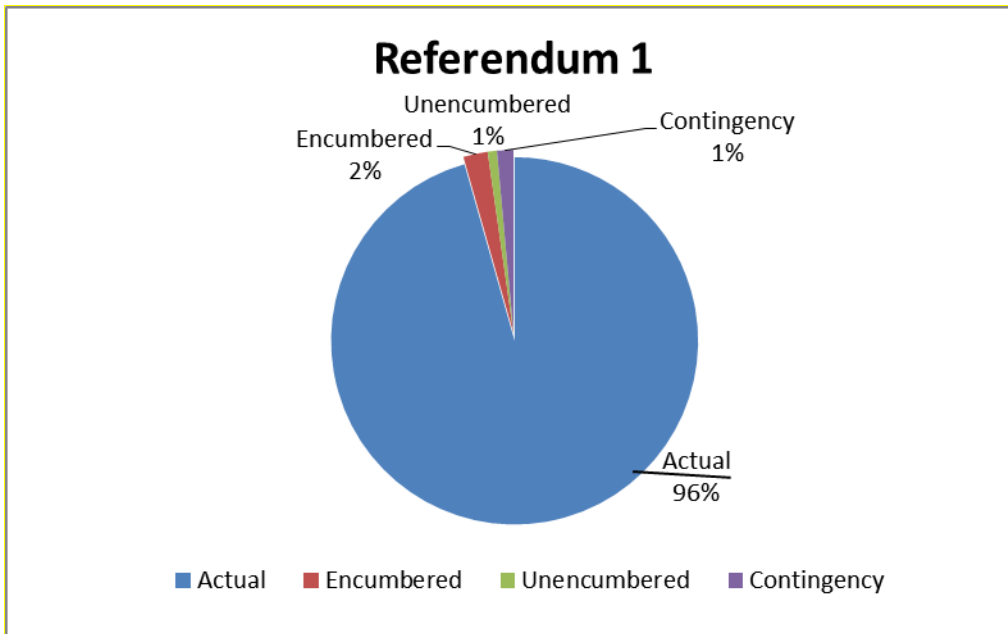
The 2006 Clean Water Project Referendum Fund accounts for financial resources to be used for the first phase of the Clean Water Project, which was authorized on November 6, 2006.

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	\$ 764,739,088.50
Encumbered	17,211,903.74
Unencumbered	6,484,744.95
Contingency	11,564,262.81
	<u>\$ 800,000,000.00</u>



2019 Capital Improvement Program

Referendum 1

Ongoing Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW1.CONSBR.03	2015 Kane Brook Dsn	1,800,000.00	691,282.77	866,569.77	242,147.46
CW1.NSSUAL.01	2007 CWP Albany Ave	23,234,699.32	23,128,718.91	105,979.91	0.50
CW1.SSOGEN.13	2013 SSO Elimination	1,892,077.68	1,573,645.69	273,996.74	44,435.25
CW1.SSONWT.07	2012 Cedar Newington	4,588,400.00	1,515,506.48	2,505,304.02	567,589.50
CW1.SSORKH.07	2012 RH Interceptor	35,833,363.00	22,887,569.08	9,929,422.63	3,016,371.29
CW1.SSOWHA.07	2012 WH SSES	1,537,500.00	927,647.37	485,950.13	123,902.50
CW1.SSOWND.03	2015 NM-1 Gate Struc	400,000.00	224,714.01	12,725.41	162,560.58
CW1.SSOWTH.02	2012 RH/Weth. SSES	8,508,559.21	8,118,002.04	1.00	390,556.17
CW1.SSSFRA.13	Franklin Proj #13-B	40,483,470.45	39,694,918.85	788,551.60	0.00
CW1.SSSFRA.15	Airport Rd PS F.M.	5,044,260.37	5,044,260.37	-	-
CW1.SSSFRA.4D	Franklin Proj #5-D	31,666,152.28	31,619,232.70	46,919.58	0.00
CW1.SSPAR.11	2013 Green Infrastru	688,429.65	177,074.90	460,632.28	50,722.47
CW1.TUNSTH.00	South CSO Convey Tun	38,053,391.03	36,837,261.57	905,731.36	310,398.10
CW1.WTFHAR.14	ASH HAND & MERCURY	14,158,894.00	14,090,318.42	1.00	68,574.58
CW1.WTFHAR.18	2011 Wet Weather Exp	32,102,142.26	31,474,096.94	115,613.56	512,431.76
CW1.WTFHAR.20	2013 WWEP #2012-20	90,156,291.74	89,449,828.34	348,308.01	358,155.39
CW1.SSOWTH.10	2014 SSES Rocky Hill	10,457,320.65	9,454,224.51	366,196.74	636,899.40
		\$ 340,604,951.64	\$ 316,908,302.95	\$ 17,211,903.74	\$ 6,484,744.95
CW1.000000.00	Referendum 1 Contingency	11,564,262.81			
	Completed Projects	447,830,785.55			
	Referendum 1	\$ 800,000,000.00			

2019 Capital Improvement Program

Referendum 1

Completed Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW1.CONHOM.00	2007 Homestead	\$ 31,044,294.79	\$ 31,044,294.79	\$ -	\$ -
CW1.CONSBR.00	South Branch	450,579.73	450,579.73	-	-
CW1.FSSFAR.04	Farmington #4	658,004.15	658,004.15	-	-
CW1.FSSFAR.06	Fmgton Proj #6	8,191,515.15	8,191,515.15	-	-
CW1.FSSFAR.1A	Farm Ave 1A	146,013.41	146,013.41	-	-
CW1.FSSFAR.71	Farmington #7.1	2,561,258.59	2,561,258.59	-	-
CW1.FSSFAR.72	Farmington #7.2	3,411,661.60	3,411,661.60	-	-
CW1.FSSFAR.PD	Farmington Ave	640,900.68	640,900.68	-	-
CW1.MGMGEO.30	Geotechnical Se	2,066,949.91	2,066,949.91	-	-
CW1.MGMPMC.07	2007 CWP PMC	788,016.54	788,016.54	-	-
CW1.MGMPMC.08	08 CWP PMC	3,981,562.16	3,981,562.16	-	-
CW1.MGMPMC.09	2009 CWP PMC	4,539,195.90	4,539,195.90	-	-
CW1.MGMPMC.10	2010 CWP PMC	5,414,789.79	5,414,789.79	-	-
CW1.MGMPMC.11	2011 CWP PMC	8,157,922.51	8,157,922.51	-	-
CW1.MGMPMC.12	2012 CWP PMC	6,719,698.60	6,719,698.60	-	-
CW1.MGMPMC.15	15CWP PMC / CDM	6,125,657.96	6,125,657.96	-	-
CW1.MGMPMU.07	2007 CWP PMU	3,255,730.36	3,255,730.36	-	-
CW1.MGMPMU.08	2008 CWP PMU	3,403,759.44	3,403,759.44	-	-
CW1.MGMPMU.09	2009 CWP PMU	5,874,757.78	5,874,757.78	-	-
CW1.MGMPMU.10	2010 CWP PMU	10,922,243.51	10,922,243.51	-	-
CW1.MGMPMU.11	2011 CWP PMU	11,589,004.93	11,589,004.93	-	-
CW1.MGMPMU.12	2012 CWP PMU	6,894,906.59	6,894,906.59	-	-
CW1.MGMPMU.13	2013 CWP PMU	6,838,160.08	6,838,160.08	-	-
CW1.MGMPMU.14	2014 CWP PMU	242,347.52	242,347.52	-	-
CW1.NSSGRA.01	Granby Str	350,653.54	350,653.54	-	-
CW1.NSSGRA.02	Granby 2&5 (Cor	32,548,599.93	32,548,599.93	-	-
CW1.NSSGRA.03	Granby #3	759,152.57	759,152.57	-	-
CW1.NSSTOW.01	2007 Tower Ave	7,863,944.77	7,863,944.77	-	-
CW1.NSSTOW.02	Tower Avenue Ar	12,672,280.63	12,672,280.63	-	-
CW1.NSSTOW.1A	2011 Tower Ave	4,427,275.10	4,427,275.10	-	-
CW1.NSSTOW.FD	Tower Ave #1Des	157,819.00	157,819.00	-	-
CW1.NSSTOW.PD	Tower Ave Sep	106,658.86	106,658.86	-	-
CW1.NSSUAL.02	Upper Albany #2	1,189,367.10	1,189,367.10	-	-
CW1.NSSUAL.03	Upper Albany #3	777,979.08	777,979.08	-	-
CW1.NSSUAL.07	Route 44 Storm	898,400.75	898,400.75	-	-
CW1.NSSUAL.08	Garden St	6,893,628.16	6,893,628.16	-	-
CW1.NSSUAL.E3	Burton St. Sew	8,605,787.57	8,605,787.57	-	-
CW1.NSSUAL.ES	Albany Edgewood	3,494,428.99	3,494,428.99	-	-
CW1.NSSUAL.PD	Upper Albany	680,471.26	680,471.26	-	-
CW1.SSOGEN.07	2007 CW SSO	13,583,866.10	13,583,866.10	-	-
CW1.SSOGEN.08	2008 C W SO	7,690,639.29	7,690,639.29	-	-
CW1.SSOGEN.11	SSO Pilot Study	3,333,591.26	3,333,591.26	-	-
CW1.SSONWT.01	2012 SSO-Nwgton	3,409,832.12	3,409,832.12	-	-
CW1.SSONWT.02	2012 Newinton	6,080,408.08	6,080,408.08	-	-
CW1.SSONWT.06	2012 Ntn Church	4,226,592.60	4,226,592.60	-	-
CW1.SSOWHA.01	2012 WHartford	1,577,096.29	1,577,096.29	-	-
CW1.SSOWHA.02	2012 SSO Pilot	2,047,087.39	2,047,087.39	-	-
CW1.SSOWHA.04	2012 Four Mile	2,689,904.58	2,689,904.58	-	-
CW1.SSOWHA.06	2014 Greenhurst	131,925.19	131,925.19	-	-
CW1.SSOWND.01	2012 SSO-Wdsr	2,669,498.47	2,669,498.47	-	-
CW1.SSOWTH.01	2011 SSO-Wtfld	4,204,575.71	4,204,575.71	-	-
CW1.SSOWTH.03	2012 SSO Pilot	2,286,152.78	2,286,152.78	-	-
CW1.SSOWTH.07	2012 SSO Exe Sq	125,813.20	125,813.20	-	-
CW1.SSOWTH.08	12 FOLLY BROOK	1,282,440.20	1,282,440.20	-	-
CW1.SSSFRA.01	Franklin #1- B	1,496,150.82	1,496,150.82	-	-
CW1.SSSFRA.02	FranklinAve #7	75,512.19	75,512.19	-	-

2019 Capital Improvement Program

Referendum 1

Completed Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW1.SSSFRA.04	Frankln #4 - D	\$ 2,134,263.04	\$ 2,134,263.04	\$ -	\$ -
CW1.SSSFRA.11	Franklin11-Pk A	319,978.07	319,978.07	-	-
CW1.SSSFRA.12	Franklin #12 -D	1,556,006.57	1,556,006.57	-	-
CW1.SSSFRA.16	Building Dis 1	543,137.15	543,137.15	-	-
CW1.SSSFRA.17	Building Dis 2	400,481.70	400,481.70	-	-
CW1.SSSFRA.18	Building Dis 3	316,932.80	316,932.80	-	-
CW1.SSSFRA.1A	Franklin Ave- D	804,840.39	804,840.39	-	-
CW1.SSSFRA.PD	Franklin Ave PD	2,032,185.44	2,032,185.44	-	-
CW1.SSSPAR.01	Park River #1	580,483.36	580,483.36	-	-
CW1.SSSPAR.03	Park River #3	904,041.42	904,041.42	-	-
CW1.SSSPAR.06	Green Capital	983,689.36	983,689.36	-	-
CW1.SSSPAR.07	Retreat Avenue	9,331,401.93	9,331,401.93	-	-
CW1.SSSPAR.PD	Park River Sep	683,914.79	683,914.79	-	-
CW1.WTFHAR.01	HWPCF Master	9,736,407.51	9,736,407.51	-	-
CW1.WTFHAR.08	Incin #3 Rehab	43,055,158.32	43,055,158.32	-	-
CW1.WTFHAR.10	HWPCF SCADA	854,591.82	854,591.82	-	-
CW1.WTFHAR.11	UV Disinfection	19,105,159.61	19,105,159.61	-	-
CW1.WTFHAR.12	Compost Bldg	1,112,844.65	1,112,844.65	-	-
CW1.WTFHAR.13	Aeration Settle	39,458,279.26	39,458,279.26	-	-
CW1.WTFHAR.16	BNR Phase II	35,419,750.97	35,419,750.97	-	-
CW1.WTFHAR.17	2011 Solids Hlg	779,406.04	779,406.04	-	-
CW1.WTFHAR.E1	07 CWP HWPCF PHI	5,200,006.71	5,200,006.71	-	-
CW1.WTFRKH.03	Rocky Hill	261,359.38	261,359.38	-	-
		\$ 447,830,785.55	\$ 447,830,785.55	\$ -	\$ -

2019 Capital Improvement Program

Referendum 2

Program – Clean Water Project – Referendum 2

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$940,000,000	CW2.000000.00	5400

Description

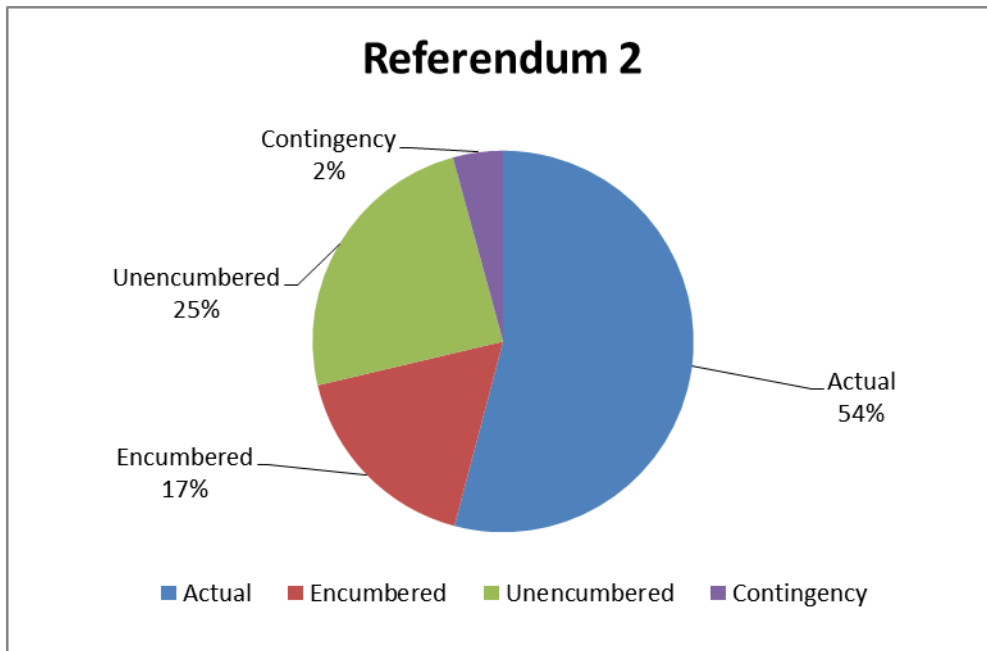
The 2012 Clean Water Project Referendum Fund accounts for financial resources to be used for the first phase of the Clean Water Project, which was authorized on November 6, 2012.

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	\$ 508,621,144.59
Encumbered	161,627,286.82
Unencumbered	229,811,813.47
Contingency	<u>39,939,755.12</u>
	<u>\$ 940,000,000.00</u>



2019 Capital Improvement Program

Referendum 2

Ongoing Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW2.CONFAR.02	2015 NNBI Rel./Oxfor	\$ 2,500,000.00	\$ 524,937.00	\$ 1,675,310.02	\$ 299,752.98
CW2.MGMCWP.15	2015 CWP Admin.	11,533,655.05	11,267,028.92	2,300.00	264,326.13
CW2.MGMPMC.14	2014 CWP PMC / CDM	7,200,000.00	6,914,745.94	-	285,254.06
CW2.MGMPMC.17	2017 CWP PMC/CDM	6,367,209.44	6,256,688.32	110,521.12	-
CW2.NSSGRA.04	2016 Bloomfield SSES	1,200,000.00	830,871.98	93,678.79	275,449.23
CW2.NSSUAL.09	2014 Gully Brook Con	465,000.00	425,239.63	4,416.00	35,344.37
CW2.SSOWHA.06	2015 Greenhurst Road	6,203,950.00	5,278,941.05	425,209.74	499,799.21
CW2.SSSPAR.13	Bartholomew Avenue	1,600,000.00	21,785.41	1,578,214.59	-
CW2.TUNSTH.01	2015 SHCST Util Relo	3,970,000.00	2,606,344.15	121,136.33	1,242,519.52
CW2.TUNSTH.02	2015 SHCST Construct	336,495,845.00	160,786,117.64	142,897,900.44	32,811,826.92
CW2.TUNSTH.03	2015 SHCST Pump Stat	95,820,000.00	8,202.80	1,916,797.20	93,895,000.00
CW2.WTFHAR.21	2014 WWEP #2012-21	182,380,980.00	172,548,488.19	6,800,676.56	3,031,815.25
CW2.WTFRKH.04	2013 RHWPCF Cap & Up	59,331,356.00	57,392,132.24	1,079,107.60	860,116.16
CW2.WTFHAR.25	2016 Ash Lagoon Cl.	5,000,000.00	117,824.66	105,521.34	4,776,654.00
CW2.CSOGEN.16	2016 LTCP Flow Meter	1,531,681.76	1,531,681.76	-	-
CW2.WTFRKH.05	2016 RHWPCF Outfall	4,872,000.00	3,756,905.87	348,931.60	766,162.53
CW2.CSOGEN.17	Large Diameter Clean	4,914,000.00	3,123,139.42	1,766,290.73	24,569.85
CW2.SSOGEN.16	CMOM Plan Updates	100,000.00	85,515.92	-	14,484.08
CW2.MGMCWP.18	2018 CWP Admin	9,316,000.00	9,291,000.00	1,947.00	23,053.00
CW2.MGMCWP.19	2019 CWP Admin	8,291,000.00	8,291,000.00	-	-
CW2.MGMCWP.20	2020 CWP Admin	7,200,000.00	-	-	7,200,000.00
CW2.MGMPMC.18	2018 CWP PMC/CDM	4,000,000.00	3,585,973.00	372,855.35	41,171.65
CW2.MGMPMC.19	2019 CWP PMC/CDM	4,000,000.00	-	1,939,177.79	2,060,822.21
CW2.TUNSTH.04	2015 SHCST	44,200,000.00	-	-	44,200,000.00
CW2.TUNSTH.05	2015 SHCST	36,650,000.00	-	-	36,650,000.00
CW2.CSOGRA.05	2017 North Branch PR	1,355,981.64	414,994.70	387,294.62	553,692.32
		\$ 846,498,658.89	\$ 455,059,558.60	\$ 161,627,286.82	\$ 229,811,813.47
CW2.000000.00	Referendum 2 Contingency	\$ 39,939,755.12			
	Completed Projects	53,561,585.99			
	Referendum 2	\$ 940,000,000.00			

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	-	-
CW2.SSSPAR.10	2014 PRICRIGrit	40,684.88	40,684.88	-	-
CW2.WTFHAR.24	2013 231 BRNRD	10,421,490.81	10,421,490.76	-	-
CW2.MGMPMC.13	2013 CWP PMC	7,895,855.33	7,895,855.33	-	-
		\$ 53,561,586.04	\$ 53,561,585.99	\$ -	\$ -

Supplemental

2019 Capital Improvement Program

Supplemental

BOARD OF FINANCE CLOSEOUT OF WATER, SEWER AND COMBINED PROGRAMS WATER CAPITAL PROJECT PROGRAMS

To: District Board

November 7, 2018

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, cancelled, or had a change of scope. Based upon the review, District staff now recommends that the following projects be closed.

Proj. Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance
WDS.PS0214.01	2014	2113	2014 Wethersfield Water Pump Station	Wethersfield	4,000,000.00	577.50	3,999,422.50
WDS.PS0514.01	2014	2113	2014 Simsbury Rd Water PS Bloomfield	Bloomfield	300,000.00	36,283.00	263,717.00
WDS.PS1214.02	2014	2113	2014 Uplands Way Water PS Glastonbury	Glastonbury	300,000.00	0.00	300,000.00
WDS.TK1214.01	2014	2113	2014 Eastbury Basin Rehabilitation	Eastbury	3,750,000.00	0.00	3,750,000.00
WDS.EQ0015.01	2015	2113	2015 Hydrant Replacement Program	Various	1,600,000.00	1,590,487.59	9,512.41
		2113 Total			9,950,000.00	1,627,348.09	8,322,651.91
WAT.CW1292.01	2011	2209	CLSD - 2011 GENERAL PURPOSE WATER	Various	1,000,000.00	337,175.14	662,824.86
WAT.CW1293.01	2011	2209	2011 GROUND WATER DEVELOPMENT	Various	5,000,000.00	305,999.51	4,694,000.49
		2209 Total			6,000,000.00	643,174.65	5,356,825.35
WAT.CW1220.01	2009	2318	Radio Frequency Automated Meter Reading	Various	5,000,000.00	4,962,878.99	37,121.01
WAT.CW1262.01	2010	2318	2010 Radio Frequency Auto Metr Reading	Various	4,846,800.00	4,295,795.92	551,004.08
WAT.CW1307.01	2011	2318	2011 RADIO FREQUENCY AUTOMATED METER REA	Various	1,500,000.00	1,484,733.94	15,266.06
		2318 Total			11,346,800.00	10,743,408.85	603,391.15
WAT.CW1247.01	2010	2320	2010Water Main Replacement - W. Hartford	West Hartford	400,000.00	126,538.88	273,461.12
WAT.CW1257.01	2010	2320	10Watr Main Replace Farmingtn Av W Hrtfd	West Hartford	1,359,400.00	1,250,709.12	108,690.88
WAT.CW1272.01	2010	2320	2010CWP Water Main Replac Hudson St Htfd	Hartford	1,057,000.00	0.00	1,057,000.00
WAT.CW1283.01	2010	2320	2010CWP Watr Main Wethersfield #3 Hrtfd	Hartford	2,692,000.00	616,387.65	2,075,612.35
WAT.CW1300.01	2011	2320	2011 WMR EAST HARTFORD	East Hartford	2,450,000.00	2,038,843.83	2,429,615.17
WAT.CW1304.01	2011	2320	2011 DESIGN OF WMR OUTSIDE OF CWP	Various	1,000,000.00	370,612.68	629,387.32
WAT.CW1331.01	2012	2320	2012 Water Storage Tank Safety Upgrade	Various	839,000.00	5,000.00	834,000.00
		2320 Total			9,797,400.00	2,389,633.16	7,407,766.84
WAT.CW1294.01	2011	2324	2011 Design Nepaug 3 Pipeline	Barkhamsted	2,200,000.00	0.00	2,200,000.00
		2324 Total			2,200,000.00	0.00	2,200,000.00
WAT.CW1218.01	2009	2331	NON-CSO RELATED ASSETS 2009 Adopted Appr	Various	5,000,000.00	1,401,876.68	3,598,123.32
WAT.CW1241.01	2009	2331	Whiting Lane W.H. Water Main Replacement	West Hartford	700,000.00	532,669.45	167,330.55
		2331 Total			5,700,000.00	1,934,546.13	3,765,453.87
WAT.CW1213.01	2008	2334	2008 Transmission Valve Replacement	Various	2,000,000.00	312,511.84	1,687,488.16
WAT.CW1219.01	2009	2334	TRANSMISSION VALVE REPLACEMENTS 2009	Barkhamsted	3,500,000.00	487,327.56	3,012,672.44
		2334 Total			5,500,000.00	799,839.40	4,700,160.60
WAT.CW1224.01	2009	2338	Mansfield Street Hartford Water Main Rep	Hartford	1,495,000.00	25,540.36	1,469,459.64
WAT.CW1225.01	2009	2338	FARMINGTON WATER MAIN INSTALLATION W.H.	West Hartford	1,380,000.00	1,214,682.52	165,317.48
		2338 Total			2,875,000.00	1,240,222.88	1,634,777.12
WAT.CW1311.01	2011	2340	2011 DAM SAFETY IMPROVEMENTS-RES #5	West Hartford	1,330,000.00	0.00	1,330,000.00
WAT.CW1341.01	2012	2340	2012 Structure Abandonment	Various	603,000.00	12,575.00	590,425.00
WAT.CW1355.01	2012	2340	2012 Raw Water Pipeline Improvements	Various	5,000,000.00	0.00	5,000,000.00
WAT.CW1375.01	2013	2340	2013 Water Rehabilitation Program	Various	1,000,000.00	491,228.86	508,771.14
WDS.DM0014.03	2014	2340	2014 Water Rehabilitation Program	Various	1,000,000.00	458,774.55	541,225.45
WDS.DM0015.03	2015	2340	2015 Water Rehabilitation Program	Various	1,000,000.00	502,749.21	497,250.79
		2340 Total			9,933,000.00	1,465,327.62	8,467,672.38
		Grand Total			63,302,200.00	20,843,500.78	42,458,699.22

After reviewing the information contained herein

At a meeting of the Board of Finance held on November 7, 2018, 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.

2019 Capital Improvement Program

Supplemental

Respectfully Submitted,

John S. Mirtle, Esq. District Clerk

SEWER CAPITAL PROJECT PROGRAMS

To: District Board

November 7, 2018

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, cancelled, or had a change of scope. Based upon the review, District staff now recommends that the following projects be closed.

Proj. Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance
WWA.CS1158.01	2010	5109	2010 GPS New Park Ave	Hartford	1,900,000.00	1,790,960.15	109,039.85
		5109 Total			1,900,000.00	1,790,960.15	109,039.85
WWA.CS1192.01	2013	5113	2013 Rocky Hill Interceptor	Rocky Hill	770,000.00	770,000.00	0.00
SCS.EQ0014.02	2014	5113	2014 Private Property Inflow Disconnect	Various	150,000.00	0.00	150,000.00
SCS.PS0614.01	2014	5113	2014 Pump Station Upgrades-Island Rd Win	Windsor	500,000.00	0.00	500,000.00
WPC.EQ0314.01	2014	5113	2014 RH WPCF Upgrd-Aeration & Disinfecti	Rocky Hill	3,000,000.00	0.00	3,000,000.00
WPC.EQ0314.02	2014	5113	2014 Rocky Hill WPCF Upgrade-Electrical	Rocky Hill	4,000,000.00	0.00	4,000,000.00
WPC.FA0114.02	2014	5113	2014 Hartford WPCF Final Settling Tank 1	Hartford	3,000,000.00	0.00	3,000,000.00
WPC.FA0114.04	2014	5113	2014 Hartford WPCF West Primary Settling	Hartford	3,100,000.00	2,962,738.27	137,261.73
WPC.FA0615.01	2015	5113	2015 Poquonock WPCF Pmry & Scndry Tanks	Poquonock	3,300,000.00	2,893,615.66	406,384.34
		5113 Total			17,820,000.00	6,626,353.93	10,787,261.73
WWA.CSA449.01	2011	5630	2011 Assessable Sewer	Various	1,600,000.00	0.00	1,600,000.00
WWA.CSA451.01	2012	5630	CLSD-2012 Assessable Sewer Prgrm (2003)	Various	220,000.00	687.50	219,312.50
		5630 Total			1,820,000.00	687.50	1,819,312.50
WWA.CS1156.01	2010	5680	2010 WPC EHWPCF Screen& Grit Replacement	East Hartford	3,823,000.00	2,481,694.39	1,341,305.61
		5680 Total			3,823,000.00	2,481,694.39	1,341,305.61
WWA.CS1125.00	2008	5735	2008 CMOM Equipment & Staffing	MDC	5,000,000.00	3,682,274.29	1,317,725.71
WWA.CS1132.01	2009	5735	2009 CMOM Compliance - Equip & Staffing	MDC	5,000,000.00	3,042,923.95	1,957,076.05
WWA.CS1161.01	2011	5735	CLSD-2011 CMOM Compliance	MDC	2,000,000.00	1,406,452.15	593,547.85
		5735 Total			12,000,000.00	8,131,650.39	3,868,349.61
WWA.CS1139.01	2008	5741	CLSD-CMOM Compliance	Various	5,000,000.00	2,628,057.18	2,371,942.82
		5741 Total			5,000,000.00	2,628,057.18	2,371,942.82
WWA.CS1173.02	2013	5803	2013 Ridge Street WWPS - Windsor	Windsor	630,000.00	441,462.35	188,537.65
		5803 Total			630,000.00	441,462.35	188,537.65
		Grand Total			42,993,000.00	22,100,865.89	20,892,134.11

After reviewing the information contained herein

At a meeting of the Board of Finance held on November 7, 2018, 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

2019 Capital Improvement Program

Supplemental

COMBINED CAPITAL PROJECT PROGRAMS

To: District Board

November 7, 2018

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, cancelled, or had a change of scope. Based upon the review, District staff now recommends that the following projects be closed.

Proj. Definition	Year	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance
COM.OT0015.03	2015	5613	2015 Member Towns New GIS Base Map Dtbse	MDC	1,600,000.00	488,720.07	1,111,279.93
		5613 Total			1,600,000.00	488,720.07	1,111,279.93
COM.CFP143.01	2009	5650	CLSD-Facility & Bldg. Imps. – Hdqrs –	MDC	1,000,000.00	970,015.42	29,984.58
		5650 Total			1,000,000.00	970,015.42	29,984.58
COM.CFP135.01	2008	5651	CLSD-2008 Security System Upgrades	MDC	800,000.00	508,778.29	291,221.71
COM.CFP149.01	2008	5651	CLSD-Pump Station Radio/Antenna Upg	MDC	800,000.00	793,003.42	6,996.58
COM.CFP150.01	2010	5651	CLSD-2010 Facility & Equipment Impr	MDC	444,000.00	441,318.66	2,681.34
COM.CFP158.01	2010	5651	2010 Headquarters Renovation(3rd Floor)	MDC	1,300,000.00	1,255,617.28	44,382.72
COM.CFP166.01	2011	5651	2011 Headquarters Renovation	MDC	1,500,000.00	1,443,979.58	56,020.42
		5651 Total			4,844,000.00	4,442,697.23	401,302.77
COM.CFP151.01	2010	5677	2010 Information System Improvements	MDC	3,600,000.00	3,426,452.66	173,547.34
COM.CFP152.01	2010	5677	2010 Information System Improvements #2	MDC	2,000,000.00	1,644,675.91	355,324.09
COM.CFP154.01	2010	5677	2010 GIS Enterprise System Development	MDC	1,136,000.00	0.00	1,136,000.00
COM.CFP160.01	2011	5677	CLSD-2011 Information System Impr.	MDC	700,000.00	665,457.45	34,542.55
COM.CFP162.01	2011	5677	2011 GIS Enterprise System Development	MDC	450,000.00	300,709.00	149,291.00
		5677 Total			7,886,000.00	6,037,295.02	1,848,704.98
COM.CFP140.01	2009	5728	Risk Management Initiatives	MDC	1,725,000.00	674,065.91	1,050,934.09
		5728 Total			1,725,000.00	674,065.91	1,050,934.09
COM.CFP163.01	2011	5729	2011 Pump Station Generators	MDC	4,800,000.00	3,713,595.14	1,086,404.86
		5729 Total			4,800,000.00	3,713,595.14	1,086,404.86
COM.OT0014.01	2014	5802	CLSD-2014 Survey & Construction	MDC	5,000,000.00	3,923,327.04	1,076,672.96
COM.OT0014.02	2014	5802	CLSD-2014 Engineering Services	MDC	3,300,000.00	2,387,108.72	912,891.28
COM.OT0014.03	2014	5802	CLSD-2014 Construction Services	MDC	3,500,000.00	2,526,369.98	973,630.02
COM.OT0014.04	2014	5802	CLSD-2014 Technical Services	MDC	2,600,000.00	1,998,054.24	601,945.76
COM.OT0015.01	2015	5802	CLSD-2015 Construction Services	MDC	3,500,000.00	2,584,975.73	915,024.27
COM.OT0015.02	2015	5802	CLSD-2015 Engineering Services	MDC	2,500,000.00	1,817,309.28	682,690.72
COM.OT0015.04	2015	5802	CLSD-2015 Survey & Construction	MDC	5,000,000.00	4,464,585.57	535,414.43
COM.OT0015.05	2015	5802	CLSD-2015 Technical Services	MDC	4,000,000.00	3,009,405.64	990,594.36
COM.OT0016.01	2016	5802	CLSD-2016 Construction Services	MDC	3,500,000.00	2,976,769.89	523,230.11
COM.OT0016.02	2016	5802	CLSD-2016 Engineering Services	MDC	2,500,000.00	1,789,374.60	710,625.40
COM.OT0016.03	2016	5802	CLSD-2016 Survey & Construction	MDC	5,000,000.00	4,266,476.36	733,523.64
COM.OT0016.04	2016	5802	CLSD-2016 Technical Services	MDC	3,400,000.00	2,699,784.61	700,215.39
COM.OT0017.01	2017	5802	2017 Construction Services	MDC	3,300,000.00	2,298,674.07	1,001,325.93
COM.OT0017.02	2017	5802	2017 Engineering Services	MDC	2,500,000.00	1,915,365.87	584,634.13
COM.OT0017.03	2017	5802	2017 Survey & Construction	MDC	5,000,000.00	3,410,826.97	1,589,173.03
COM.OT0017.04	2017	5802	2017 Technical Services	MDC	3,900,000.00	2,839,274.56	1,060,725.44
		5802 Total			58,500,000.00	44,907,683.13	13,592,316.87
		Grand Total			80,355,000.00	61,234,071.92	19,120,928.08

After reviewing the information contained herein

At a meeting of the Board of Finance held on November 7, 2018, it was:

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

2019 Capital Improvement Program

Supplemental

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

Respectfully Submitted,

John S. Mirtle, Esq.
District Clerk

CLOSEOUT OF CLEAN WATER PROGRAMS **CLEAN WATER FUND PROJECT PROGRAMS**

To: District Board

November 7, 2018

From: Board of Finance

The District has undertaken the task of updating its Clean Water Fund Program records. The task includes the identification of projects which have been completed, cancelled, or had a change of scope. Based upon the review, District staff now recommends that the following projects be closed.

Proj. Definition	Year	BA	Project Description	Budget	Expended Amount	Remaining Balance
CW1.MGMGEO.30	2007	5300	Geotechnical Services - Consulting	\$ 2,066,949.91	\$ 2,066,949.91	\$ -
CW1.MGMPMC.13	2007	5300	2013 CWP PMC	-	-	\$ -
CW1.NSSGRA.02	2007	5300	Granby 2&5 (Cornwall Street Area) Design	32,548,599.93	32,548,599.93	\$ -
CW1.NSSTOW.02	2007	5300	Tower Avenue Area South	12,649,780.63	12,649,780.63	\$ -
CW1.SSOWND.02	2007	5300	2012 CWP WINDSOR SSES COMPLETION	-	-	\$ -
CW1.SSOWTH.04	2007	5300	2012 Folly Brook I/I Rehab	-	-	\$ -
		5300 Total		47,265,330.47	47,265,330.47	\$ -
CW2.MGMCWP.13	2013	5400	CLSD-2013 CWP Administration	505,030.18	505,030.18	\$ -
CW2.MGMPMC.13	2013	5400	2013 CWP PMC	7,895,855.33	7,895,855.33	\$ -
CW2.SSOWTH.10	2014	5400	2014 SSES Rocky Hill - II	-	-	\$ -
CW2.CONFRA.01	2015	5400	2015 Franklin & Maple Conduits	-	-	\$ -
CW2.CONGBR.02	2015	5400	2015 Walnut to Church Dsn	-	-	\$ -
CW2.CONNMD.01	2015	5400	2015 Main Street Dsn	-	-	\$ -
CW2.CONNMD.02	2015	5400	2015 Sanford Street Design	-	-	\$ -
CW2.CONSTR.01	2015	5400	2015 New Britain & Arlington	-	-	\$ -
CW2.SSOWHA.07	2015	5400	2015 WH SSES I (2012-59)	-	-	\$ -
CW2.SSOWHA.08	2015	5400	2015 W.H. SSES Rehab II	-	-	\$ -
CW2.SSSPAR.08	2015	5400	2015 Park Street Dsn	-	-	\$ -
CW2.MGMCWP.16	2016	5400	2016 CWP Admin	10,471,683.85	10,471,683.85	\$ -
CW2.MGMPMC.16	2016	5400	2016 CWP PMC/CDM	3,830,829.76	3,830,829.76	\$ -
CW2.MGMCWP.17	2017	5400	2017 CWP Admin	9,441,000.00	9,441,000.00	\$ -
		5400 Total		32,144,399.12	32,144,399.12	\$ -
		Grand Total		79,409,729.59	79,409,729.59	\$ -

After reviewing the information contained herein

At a meeting of the Board of Finance held on November 7, 2018, 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.

2019 Capital Improvement Program

Supplemental

Respectfully Submitted,

John S. Mirtle, Esq. District
Clerk

On a motion made by Commissioner Sweezy and duly seconded, the report was received and the resolution adopted by unanimous vote of those present.

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