

2017 Adopted Capital Improvement Budget



The Metropolitan District
Hartford, CT

2017 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.

HWPCF DAFT Upgrade	10,200,000
WPC Equipment & Facilities Improvements	2,700,000

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.

Res.#6 - Filtered Water Basin Rehabilitation	6,500,000
WMR Bond Street Area, Hartford	5,100,000

Combined

The primary projects are to improve various District Administrative Facilities and Information Systems.

2017 Capital Improvement Program

Summary

Five-Year Capital Improvement Program

It is anticipated that the District will continue to complete projects associated with the 2006 and 2012 Clean Water Project referendums during 2017. 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.

2017 Capital Improvement Program

Summary

Wastewater	2017	2018	2019	2020	2021
WPC Equipment & Facilities Improvements	2,700,000	2,800,000	2,900,000	3,000,000	3,500,000
WPC Plant Infrastructure Renewal and Replacement	2,000,000	3,000,000	2,250,000	2,250,000	3,000,000
HWPCF DAFT Upgrade	10,200,000	-	-	-	-
WPC SCADA Upgrades	2,000,000	-	3,500,000	-	2,500,000
Wastewater Pump Station Upgrades	400,000	-	-	-	-
General Purpose Sewer	3,000,000	3,000,000	3,000,000	3,000,000	-
Paving Program and Restoration	1,500,000	1,000,000	1,500,000	2,000,000	-
Sewer Rehabilitation Program	3,600,000	3,000,000	3,000,000	3,300,000	3,300,000
Various Sewer Pipe Replacement/Rehabilitations Program	2,000,000	3,000,000	3,000,000	3,000,000	-
Sanitary Sewer Easements Acquisitions & Improvements	1,400,000	5,000,000	500,000	500,000	3,150,000
Sewer Gate Replacement - Collection System	4,800,000	-	-	-	-
Assessable Sewer Program	400,000	50,000	100,000	100,000	-
Bond Street Area Sewer Rehabilitation	400,000	-	-	-	-
Dividend Brook Drainage Area (Phase 1)	5,600,000	-	-	-	-
Dividend Brook Drainage Area (Phase 2)	-	-	5,000,000	-	-
Dividend Brook Drainage Area (Phase 3)	-	7,500,000	-	-	-
West Hartford I/I Removal	-	-	11,000,000	-	-
Hartford WPCF Sludge Cake Receiving, Screening & Equalization	-	20,000,000	-	-	-
East Hartford WPCF Plant Infrastructure Renewal and Replacements	-	3,750,000	-	-	-
Hartford WPCF Centrifuge Replacement & Overhead Crane	-	-	-	4,000,000	-
Hartford WPCF - Air Permit Compliance Upgrades	-	-	-	-	-
Private Property Inflow Disconnect Program	-	25,000	25,000	25,000	-
Backwater Valve Program	-	100,000	-	100,000	-
Renewable Energy Projects – Sewer Facilities	-	-	3,000,000	-	-
CCTV Generated Sewer Contracts	-	7,000,000	1,500,000	10,000,000	-
Pump Station Replacement – Stonehedge - Ochialini, Newington	-	-	-	-	3,000,000
Expansion of Sewer SWMM Model	-	-	3,500,000	-	-
Mountain Farms Area Sewer Main Extension, West Hartford	-	-	-	10,500,000	-
Oakwood Avenue, West Hartford (I-84 to Flatbush Ave) Phase 2	-	-	-	4,000,000	-
Madison Avenue Sewer Replacement	-	2,150,000	-	-	-
Total Wastewater	\$ 40,000,000	\$ 61,375,000	\$ 43,775,000	\$ 45,775,000	\$ 18,450,000

2017 Capital Improvement Program

Summary

Water	2017	2018	2019	2020	2021
General Purpose Water Program	\$ 2,000,000	\$ 3,500,000	\$ 3,500,000	\$ 4,000,000	\$ 4,000,000
Paving Program and Restoration	3,500,000	3,000,000	3,000,000	3,000,000	3,000,000
Radio Frequency Automated Meter Reading Program	1,500,000	1,500,000	1,500,000	2,000,000	1,500,000
Hydrant Replacement Program	1,600,000	-	-	1,600,000	-
Res.#6 - Filtered Water Basin Rehabilitation	6,500,000	-	-	-	-
WHWTF - Pipe and Valve Replacements Bond Street Area, WMR	1,500,000	-	-	-	-
Bloomfield Transmission Main Extension	5,100,000	-	-	-	-
Water Treatment Facility Upgrades	-	7,500,000	-	-	-
WMR Madison Avenue Area, Hartford	-	2,500,000	3,000,000	3,500,000	3,500,000
WMR Buckingham Street Area, Hartford	-	6,000,000	-	-	-
Assessable Water Fund	-	6,000,000	-	-	-
Land Acquisition for Water Facilities, Supply and Treatment	-	1,500,000	-	2,000,000	-
Water Storage Tank Improvement	-	-	1,000,000	-	1,000,000
WMR Farmington Avenue 11, Hartford	-	-	2,000,000	2,000,000	2,000,000
WMR Church Street, Hartford	-	-	3,500,000	-	-
Renewable Energy Projects - Water Facilities	-	-	4,000,000	-	-
WHWTP South Storage Tank Installation	-	-	500,000	-	500,000
Reservoir #3 Dam Improvements	-	-	7,000,000	-	-
Water Main Replacement, Various Locations	-	-	4,000,000	-	-
Water Supply Improvements - Facilities	-	-	1,000,000	-	8,000,000
WMR Oakwood Avenue, West Hartford	-	-	-	3,000,000	3,000,000
Long Hill Road Connector WM	-	-	-	2,500,000	-
WHWTP Filter Bed Rehabilitation	-	-	-	2,500,000	-
Water Pump Stations Improvements	-	-	-	2,000,000	-
Various Transmission Main Design & Construction	-	-	-	2,000,000	2,000,000
WMR Webster Hill Area, West Hartford	-	-	-	-	2,100,000
Total Water	\$ 21,700,000	\$ 31,500,000	\$ 34,000,000	\$ 30,100,000	\$ 35,600,000

2017 Capital Improvement Program

Summary

Combined	2017	2018	2019	2020	2021
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	3,300,000	3,500,000	3,500,000	3,500,000	3,500,000
Technical Services	3,900,000	3,400,000	3,400,000	3,400,000	3,400,000
Administrative Facilities & Equipment Improvements	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Fleet Replacement	800,000	-	800,000	-	800,000
Computerized Management System	1,600,000	-	-	-	-
Business Transformation	5,000,000	-	-	-	-
Information Systems /IT Upgrades	-	5,000,000	5,000,000	5,000,000	5,000,000
Total Combined	\$ 23,100,000	\$ 20,400,000	\$ 21,200,000	\$ 20,400,000	\$ 21,200,000

2017 Capital Improvement Program

Appropriation

The Metropolitan District's Capital Improvement Program budget for 2017 totals \$84,800,000 as reflected in the following summary, wastewater programs total \$40,000,000; water programs total \$21,700,000; and combined programs total \$23,100,000.

Wastewater

Assessable Sewer Program	\$ 400,000
Bond Street Area Sewer Rehabilitation	400,000
Dividend Brook Drainage Area Improvements-Phase 1	5,600,000
General Purpose Sewer	3,000,000
Hartford WPCF DAFT Upgrade	10,200,000
Paving Program and Restoration	1,500,000
Sanitary Sewer Easements Acquisitions & Improvements	1,400,000
Sewer Rehabilitation Program	3,600,000
Sewer Gate Replacement - Collection System	4,800,000
Various Sewer Pipe Replacement/Rehabilitation Program	2,000,000
Wastewater Pump Station Upgrades	400,000
WPC Equipment & Facilities Improvements	2,700,000
WPC Plant Infrastructure Renewal & Replacement	2,000,000
WPC SCADA Upgrades	2,000,000
Total Wastewater	\$ 40,000,000

2017 Capital Improvement Program

Appropriation

Water

Bond Street Area Water Main Replacement	\$5,100,000
General Purpose Water Program	2,000,000
Hydrant Replacement Program	1,600,000
Paving Program and Restoration	3,500,000
Radio Frequency Automated Meter Reading Program	1,500,000
Res #6 Filtered Water Basin Rehabilitation	6,500,000
West Hartford Water Treatment Facility Pipe and Valve Replacements	<u>1,500,000</u>

Total Water **\$21,700,000**

2017 Capital Improvement Program

Appropriation

Combined

Business Transformation	\$ 5,000,000
Construction Services	3,300,000
Engineering Services	2,500,000
Administrative Facilities and Equipment Improvements	1,000,000
Fleet Replacement	800,000
Computerized Management System	1,600,000
Survey & Construction	5,000,000
Technical Services	3,900,000

Total Combined \$ **23,100,000**

Wastewater, Water, Combined Total \$ **84,800,000**

2017 Capital Improvement Program

Wastewater

The following is a list of the recommended wastewater system programs and projects to be funded through the MDC's 2017 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

Assessable Sewer Program	\$ 400,000
Bond Street Area Sewer Rehabilitation	400,000
Dividend Brook Drainage Area Improvements-Phase 1	5,600,000
General Purpose Sewer	3,000,000
Hartford WPCF DAFT Upgrade	10,200,000
Paving Program and Restoration	1,500,000
Sanitary Sewer Easements Acquisitions & Improvements	1,400,000
Sewer Rehabilitation Program	3,600,000
Sewer Gate Replacement - Collection System	4,800,000
Various Sewer Pipe Replacement/Rehabilitation Program	2,000,000
Wastewater Pump Station Upgrades	400,000
WPC Equipment & Facilities Improvements	2,700,000
WPC Plant Infrastructure Renewal & Replacement	2,000,000
WPC SCADA Upgrades	2,000,000
Total Wastewater	\$ 40,000,000

2017 Capital Improvement Program

Wastewater

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
Pipe Joiner	1
Sewer Maintainer 1	3
Sewer Maintenance Crew Leader	2
System Repair Supervisor	1
Truck Driver 2	3
Utility Maintainer 1	1
Utility Maintainer 2	1
Utility Systems Monitoring Tech 1	<u>2</u>
Total	15

2017 Capital Improvement Program

Wastewater

Program – Assessable Sewer Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$400,000	SCS.SR0017.01	5113

Description

Extension of existing sanitary sewers resulting from property owner petitions for public sewer service within the District's sewer service area. This project includes design, construction and project administration. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To provide sanitary sewer service to property owners within the District's service area by extending local sewer mains. Property owners to be served have either a specific health concern or a desire for public sanitary sewer service.

Future Appropriations

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

Bond Language

The sum of \$400,000 is hereby appropriated for the extension of existing sanitary sewers resulting from property owner petitions for public sewer service within the District's sewer service area, including 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.

2017 Capital Improvement Program

Wastewater

Program – Bond Street Area Sewer Rehabilitation

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$400,000	SCS.SR0117.01	5113

Description

Construction of sewer lines and lateral replacements in the Bond Street area in Hartford. Streets include, but are not limited to Redding Street, Preston Street, Wayland Street, and Olds Place. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging pipelines and structures.

Future Appropriations

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

Bond Language

The sum of \$400,000 is hereby appropriated for the construction of sewer lines and lateral replacements in the Bond Street area in Hartford, including Redding Street, Preston Street, Wayland Street and Olds Place, including 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.

2017 Capital Improvement Program

Wastewater

Program – Dividend Brook Drainage Area Improvements-Phase 1

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,600,000	SCS.SR0017.02	5113

Description

Design and construction of Dividend Brook Drainage Area Improvements - Phase 1. Completion of this project, and subsequent Phase 2, will eliminate the Farms Village and Brook Street Pump Stations by connecting the West Dividend Brook Trunk Sewer and East Dividend Brook Trunk Sewer via a new Trunk Sewer (Rocky Hill). Project may include legal and easement costs. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging pipelines and structures.

Future Appropriations

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

Bond Language

The sum of \$5,600,000 is hereby appropriated for the design and construction of Dividend Brook Drainage Area Improvements – Phase 1, including design, construction, project administration, easement, 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.

2017 Capital Improvement Program

Wastewater

Program – General Purpose Sewer

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,000,000	SCS.SR0017.03	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 \$3,000,000 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.

2017 Capital Improvement Program

Wastewater

Program – Hartford WPCF DAFT Upgrade

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$10,200,000	WPC.FA0117.01	5113

Description

This project will construct a complete upgrade of the dissolved air flotation thickening (DAFT) process at the Hartford WPCF. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

This project is for the construction of facilities to allow the Hartford WPCF to have better solids processing capabilities and greater capacity.

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$10,200,000 is hereby appropriated for the design and construction of a complete upgrade to the dissolved air flotation thickening process at the Hartford Water Pollution Control Facility, 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.

2017 Capital Improvement Program

Wastewater

Program – Paving Program and Restoration

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,500,000	SCS.SR0017.04	5113

Description

To perform final pavement restoration of roads, sidewalks, driveways, parking lots and other areas as well as unpaved areas. 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 \$1,500,000 is hereby appropriated for pavement restoration of roads, sidewalks, driveways, parking lots and other areas as well as unpaved areas including material disposal and 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.

2017 Capital Improvement Program

Wastewater

Program – Sanitary Sewer Easement Acquisitions & Improvements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,400,000	SCS.SR0017.05	5113

Description

Design and construction of the improvement and/or acquisition of existing sewer main easements in order to facilitate sanitary sewer replacement and/or rehabilitation. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

Design and construction of the improvement and/or acquisition of existing sewer main easements at various locations in order to facilitate sanitary sewer replacement and/or rehabilitation.

Future Appropriations

No additional appropriation requests are anticipated.

Bond Language

The sum of \$1,400,000 is hereby appropriated for the design and construction of, improvement to, and/or acquisition of, sewer main easements to facilitate sanitary sewer replacement or rehabilitation 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.

2017 Capital Improvement Program

Wastewater

Program – Sewer Rehabilitation Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,600,000	SCS.SR0017.06	5803

Description

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

Purpose

The project is being done 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 \$3,600,000 is hereby appropriated for the conduct of sewer system investigations to support the design and construction of rehabilitation and replacement of deteriorating segments of the District's sewer 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.

Authorized Positions

<u>Title</u>	<u>Number</u>	<u>Cost Center</u>
Equipment Operator 1	1	7930001
Pipe Joiner	1	
Sewer Maintainer 1	3	
Sewer Maintenance Crew Leader	2	
System Repair Supervisor	1	
Truck Driver 2	3	
Utility Maintainer 1	1	
Utility Maintainer 2	1	
Utility Systems Monitoring Tech 1	2	
Total	15	

2017 Capital Improvement Program

Wastewater

Program – Sewer Gate Replacement-Collection System

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$4,800,000	SCS.GT0017.01	5113

Description

Construction of replacement collection system gates which have reached their useful service life at various locations based upon inspections. Either Consultant, Contractor, or District forces may be utilized. The District costs may include salary, benefits and overhead.

Purpose

The project is being done to replace aging infrastructure.

Future Appropriations

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

Bond Language

The sum of \$4,800,000 is hereby appropriated for the construction of replacement collection system gates which replace those which have reached their useful service life at various locations, 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.

2017 Capital Improvement Program

Wastewater

Program – Various Sewer Pipe Replacement/Rehabilitation Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	SCS.SR0017.07	5113

Description

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 and closed caption TV inspection. The replacement, rehabilitation and or upgrade of District infrastructure. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To rehabilitate or replace the sanitary sewer pipelines. The replacement includes 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 \$2,000,000 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 caption 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.

2017 Capital Improvement Program

Wastewater

Program – Wastewater Pump Station Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$400,000	SCS.PS0017.01	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.

2017 Capital Improvement Program

Wastewater

Program – WPC Equipment & Facilities Improvements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,700,000	WPC.FA0017.02	5113

Description

This project will rehabilitate multiple Water Pollution Control assets to improve operational readiness/reliability, safety posture, increase wastewater processing capabilities and add asset life. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To refurbish and rebuild various equipment.

Future Appropriations

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

Bond Language

The sum of \$2,700,000 is hereby appropriated for the rehabilitation of multiple water pollution control assets to improve operational readiness, reliability and safety, to increase wastewater processing capabilities and to add asset 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.

2017 Capital Improvement Program

Wastewater

Program - WPC Plant Infrastructure Renewal and Replacement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	WPC.FA0017.03	5113

Description

This project will design and construct a variety of renewal and replacements at the four water pollution control facilities to modernize existing systems. 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 \$2,000,000 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.

2017 Capital Improvement Program

Wastewater

Program – WPC SCADA Upgrades

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	WPC.FA0017.04	5113

Description

This project will design and construct a variety of supervisory control and data acquisition (SCADA) enhancements & upgrades at the four water pollution control facilities to modernize existing systems. District support labor provided by, but not limited to, electricians, technicians, mechanics, operating and engineering staffs. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

Ongoing work at all four water pollution control facilities to address supervisory control and data acquisition (SCADA) systems. SCADA is the overall system that allows for automated operations of equipment, computerized controls, instrumentation and data gathering on equipment. Continuous improvements and upgrades to the systems are needed to maintain proper control and assist in optimizing all facilities' performance.

Future Appropriations

No additional appropriation requests are anticipated.

Bond Language

The sum of \$2,000,000 is hereby appropriated for the design and construction of a variety of supervisory control and data acquisition (SCADA) enhancements and upgrades 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.

2017 Capital Improvement Program

Water

The following is a list of the recommended water system programs and projects to be funded through the MDC's 2017 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

Bond Street Area Water Main Replacement	\$5,100,000
General Purpose Water Program	2,000,000
Hydrant Replacement Program	1,600,000
Paving Program and Restoration	3,500,000
Radio Frequency Automated Meter Reading Program	1,500,000
Res #6 Filtered Water Basin Rehabilitation	6,500,000
West Hartford Water Treatment Facility Pipe and Valve Replacements	<u>1,500,000</u>
Total Water	\$21,700,000

2017 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. The following positions are included in the water program:

Authorized Positions

<u>Title</u>	<u>Number</u>
Customer Service Maintainer 1	3
Meter Maintenance Crew Leader	1
Senior Clerk	1
Total	5

2017 Capital Improvement Program

Water

Program – Bond Street Area Water Main Replacement

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,100,000	WDS.DM0117.01	2113

Description

Construction of water main and service replacements in the Bond Street Area in Hartford. Streets include, but are not limited to Redding Street, Preston Street, Wayland Street, and Olds Place. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To replace aging pipelines and structures.

Future Appropriations

No additional appropriation requests are anticipated next year.

Bond Language

The sum of \$5,100,000 is hereby appropriated for the design, construction, inspection and associated work to replace water mains in the Bond Street area of Hartford, including those in Redding Street, Preston Street, Wayland Street and Olds Place, 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.

2017 Capital Improvement Program

Water

Program – General Purpose Water Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,000,000	WDS.DM0017.01	2113

Description

Design and construction of water mains and related system-wide equipment/infrastructure improvements, excluding vehicles. 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

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 \$2,000,000 is hereby appropriated for the design and construction of replacement of existing water mains, system-wide equipment/infrastructure improvements (excluding vehicles), electrical, mechanical and renewable energy upgrades at District facilities, 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.

2017 Capital Improvement Program

Water

Program – Hydrant Replacement Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,600,000	WDS.EQ0017.01	2113

Description

Replacement of hydrants throughout the distribution system which have reached the end of their useful life and/or no longer function adequately. District costs may include labor, equipment, materials, police services, final restoration and all pertinent work on the water main required to replace the hydrant. Hydrant replacements are anticipated throughout the District's water service area.

Purpose

Hydrants included in this program have reached the end of their useful life and/or no longer function adequately.

Future Appropriations

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

Bond Language

The sum of \$1,600,000 is hereby appropriated for the replacement of hydrants throughout the distribution system which have reached the end of their useful life or no longer function adequately, including labor, equipment, materials, police services 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.

2017 Capital Improvement Program

Water

Program – Paving Program and Restoration

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,500,000	WDS.DM0017.02	2113

Description

To perform final pavement restoration of roads, sidewalks, driveways, parking lots and other areas as well as unpaved areas. 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 \$3,500,000 is hereby appropriated for pavement restoration of paved and unpaved areas including sidewalks, spoil material disposal and 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.

2017 Capital Improvement Program

Water

Program – Radio Frequency Automated Meter Reading Program

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,500,000	WDS.MT0017.01	2318

Description

The Radio Frequency Automated Meter Reading Program standardizes and replaces water meters and meter reading devices District-wide. The District costs may include salary, benefits and overhead. Project includes staffing.

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 for the radio frequency meter program, standardizing and replacing radio frequency meters and meter reading devices, 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>
Customer Service Maintainer 1	3	7930002
Meter Maintenance Crew Leader	1	
Senior Clerk	1	
Total	5	

2017 Capital Improvement Program

Water

Program – Reservoir #6 - Filtered Water Basin Rehabilitation

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$6,500,000	WTF.BN0517.01	2113

Description

Funds are requested for rehabilitation of the filtered water basins at the Reservoir #6 Water Treatment Facility. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To upgrade and/or replace water storage structures and equipment as needed.

Future Appropriations

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

Bond Language

The sum of \$6,500,000 is hereby appropriated for the rehabilitation of the filtered water basins at the Reservoir #6 Water Treatment Facility 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.

2017 Capital Improvement Program

Water

Program – West Hartford Water Treatment Facility – Pipe and Valve Replacements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,500,000	WTF.TP1017.01	2113

Description

This project will provide replacements and upgrades to include but not limited to the following: piping, valves, and supporting structures. Installation of conduits and/or duct banks for controls and various other instrumentation may be included. District forces may be utilized for this program. The District costs may include salary, benefits and overhead.

Purpose

To improve the pipes, valves, and supporting structures at West Hartford Water Treatment Facility.

Future Appropriations

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

Bond Language

The sum of \$1,500,000 is hereby appropriated for replacements and upgrades to piping, valves and supporting structures, the installation of conduits and duct banks for controls, various instrumentation, 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.

2017 Capital Improvement Program

Combined

The following is a list of the recommended combined capital programs and projects to be funded through the MDC's 2017 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

Business Transformation	\$ 5,000,000
Construction Services	3,300,000
Engineering Services	2,500,000
Administrative Facilities and Equipment Improvements	1,000,000
Fleet Replacement	800,000
Computerized Management System	1,600,000
Survey & Construction	5,000,000
Technical Services	<u>3,900,000</u>
Total Combined	\$ 23,100,000

2017 Capital Improvement Program

Combined

The following positions are included in the combined capital program:

Authorized Positions

<u>Title</u>	<u>Number</u>
Accounting Administrator-SAP	1
Business Systems Analyst	1
Construction Engineer Support	1
Construction Manager	8
Construction Services Supervisor	5
Design Manager	1
Durational Project Manager	1
Durational Project Engineer	1
Engineering Technician 2	3
Engineering Technician 3	10
Manager of Constr. & Engineering Services	1
Manager of Construction Services	1
Manager of Technical Services	1
Principal Engineer	2
Principal Constr. Engineer Tech 1	1
Project Engineer 1	5
Project Engineer 2	6
Project Managers	12
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	67

2017 Capital Improvement Program

Combined

Program - Business Transformation

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,000,000	COM.EQ0017.01	5613

Description

The project includes but is not limited to the purchase, upgrade and/or replacement of computer related infrastructure and/or software. The District costs may include salary, benefits and overhead. Project may include durational employees.

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 \$5,000,000 is hereby appropriated for the purchase, upgrade and replacement of computer related infrastructure and 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.

Funding Allocation

Sewer 49%
Water 51%

<u>Title</u>	<u>Number</u>	<u>Cost Center</u>
Accounting Administrator - SAP	1	7930009
Business Systems Analyst	1	
Durational Project Manager	1	
Total	3	

2017 Capital Improvement Program

Combined

Program - Construction Services

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,300,000	COM.OT0017.01	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 4 years.

Bond Language

The sum of \$3,300,000 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>
Manager of Constr. & Eng. Services	1	7930007
Manager of Construction Services	1	
Construction Manager	5	
Project Engineer 1	4	
Project Engineer 2	2	
Total	13	

Funding Allocation

Sewer 49%
Water 51%

2017 Capital Improvement Program

Combined

Program - Engineering Services

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$2,500,000	COM.OT0017.02	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 4 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	
Principal Engineer	1	
Project Managers	6	
Project Engineer 2	2	
Total	11	

Funding Allocation

Sewer 49%
Water 51%

2017 Capital Improvement Program

Combined

Program – Administrative Facilities and Equipment Improvements

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,000,000	COM.BL0017.01	5613

Description

This program consists of the replacement and/or upgrade to the District's deteriorating Administration facilities which include building improvements, site improvements and equipment improvements. The District costs may include salary, benefits and overhead. Project includes staffing.

Purpose

To replace and/or upgrade aging equipment and structures.

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 and/or upgrade to the District's deteriorating Administration facilities which include building improvements, site improvements, equipment 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.

Funding Allocation

Sewer 49%
Water 51%

2017 Capital Improvement Program

Combined

Program – Fleet Replacement

Amount
\$800,000

Project #
COM.VE0017.01

Fund
5613

Description

This program consists of the replacement of transportation and power operated equipment, the purchase of stationary generators, engines and emergency response equipment, and the installation of global positioning systems. Consultants maybe utilized.

Purpose

To maintain the District's fleet.

Future Appropriations

Additional appropriation requests are anticipated over the next four years.

Bond Language

The sum of \$800,000 is hereby appropriated for the replacement of transportation and power operated equipment, the purchase of stationary generators, engines and emergency response equipment, and the installation of global positioning systems 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.

Funding Allocation

Sewer 49%
Water 51%

2017 Capital Improvement Program

Combined

Program – Computerized Management System

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$1,600,000	COM.EQ0017.02	5613

Description

The project provides for but not limited to the necessary program to be configured, organized and input of completed construction projects, equipment and facilities for all wastewater and water assets. The District costs may include salary, benefits and overhead. Project may include durational employees.

Purpose

Configure, organize, and input critical information for completed construction projects, equipment, facilities for the purpose of maintaining Wastewater, Water Assets in accordance with manufactures recommendation. In addition provide the necessary Computerized Management System program to maintain the equipment to prevent risk of failure that may result in violation of applicable laws, prevent damage to equipment and injury to personnel. The District costs may include salary, benefits and overhead.

Future Appropriations

No appropriation requests are anticipated over the next 4 years.

Bond Language

The sum of \$1,600,000 is hereby appropriated for the program required for the configuration, organization and input of completed construction projects, equipment and facilities for all water and wastewater assets, 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.

2017 Capital Improvement Program

Combined

Program - Survey & Construction

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$5,000,000	COM.OT0017.03	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 4 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>
Engineering Technician 2	3	7930005
Engineering Technician 3	10	
Construction Engineer Support	1	
Senior Engineer Technician	1	
Survey Chief of Operation	1	
Construction Services Supervisor	5	
Principal Constr. Engineer Tech 1	1	
Survey Chief of Party	<u>2</u>	
Total	24	

Funding Allocation

Sewer 49%
Water 51%

2017 Capital Improvement Program

Combined

Program - Technical Services

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$3,900,000	COM.OT0017.04	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 4 years.

Bond Language

The sum of \$3,900,000 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	2	
Project Engineer 1	1	
Project Manager	6	
Utility Systems Monitoring Tech1	1	
Real Estate Administrator	<u>1</u>	
Total	16	

Funding Allocation

Sewer 49%
Water 51%

2017 Capital Improvement Program

Debt Management

Effective debt management ensures the District will meet its capital infrastructure and facility needs. It requires a series of decisions about the amount, timing, purposes and structure of debt issuance. The issuance of bonds and notes is authorized by the District Board upon recommendation of the Board of Finance within limitations established by the District Charter and the General Statutes of Connecticut. Annual budgets and bonding resolutions must be approved by the Board of Finance and the District Board.

The Treasury Department manages all District borrowings, paying particular attention to debt affordability and the timing of borrowings, to take advantage of favorable market conditions. The goal is to repay debt rapidly, maintain a conservative level of outstanding debt, and ensure the District's continued positive financial standing within the bond market. The MDC's bond rating is currently AA by Standard and Poor's and Aa2 by Moody's.

The District Charter directs that capital expenditures require approval by a two-thirds vote of the entire District Board and a majority vote of electors of the entire District. However, under the Charter the following capital expenditures do not require approval of the electors:

- Capital expenditures not exceeding \$20,000,000 for any one undertaking.
- Expenditures for any undertaking involving not more than \$10,000,000 in any one year for the purpose of meeting a public emergency threatening the lives, health or property of citizens of the District.
- Construction or leasing of headquarters facilities
- Operations or projects allowable by District Charter undertaken by interlocal agreement with another municipality.
- Assessable sewer construction fund project

As of December 31, 2016, the borrowing capacity for general fund financed projects is \$1,212,276,681. The total net direct indebtedness is \$907,160,016 and the remaining ability to borrow is \$305,116,665.

The total principal amount of bonds authorized and unissued at December 31, 2016, including the bonds authorized for the 2016 Capital Improvement Program, is \$1,269,136,742 for sewer and water projects. Bonds authorized for the supply of water and revenue bonds issued for the Clean Water Project are excluded from the debt limitation. The amount of non-water bonds excluding revenue bonds authorized and unissued for general fund financed projects, as of December 31, 2016, and subject to the debt limitation, is \$842,482,871. This amount is \$369,793,809 less than the amount available under the debt limitation of \$1,212,276,681.

To avoid exceeding the debt limitation, the District will take certain steps to exclude a certain principal amount of non-water bonds for general fund financed projects from the debt limitation. These steps include the issuance of a portion of the bonds for the Clean Water Project as revenue bonds to be secured and paid from the Clean Water Project Charge which has been levied beginning in 2008.

In accordance with the District Charter, sewer services are funded through taxation on member municipalities and a sewer user charge for tax exempt and high flow users. Water services and related operations are funded principally through a direct water charge to customers.

The MDC uses two primary sources of funds to finance its capital program:

- Proceeds from the sale of bonds and/or short-term notes.

2017 Capital Improvement Program

Debt Management

- State of Connecticut grant and/or loan programs:

Wastewater Program/Projects - Under the Clean Water Fund, eligible District projects may be awarded an 80% loan (at 2% interest) and a 20% grant. Combined sewer overflow projects may be funded through a 50% loan (at 2% interest) and a 50% grant. Nitrogen reduction projects may be funded through a 70% loan (at 2% interest) and a 30% grant. Some sanitary sewer overflow projects will be funded through a 50% loan (at 2% interest) and a 50% grant, but most will be funded with 100% loan (at 2% interest).

Water Programs/Projects – Under the Drinking Water State Revolving Fund, a project may receive a 100% loan at a rate which is currently at 2%. Depending on the subsidization monies available at the Federal EPA level in conjunction with merits of the project, the DPH may also award subsidized funding.

Upon award of a State Loan, the District issues a Project Loan Obligation (PLO) to evidence the permanent financing of the project loan over 20 years.

Clean Water Project Charge

The Metropolitan District enacted a Clean Water Project Charge under Section S12X of the General Sewer Ordinances to be used for the payment of principal and interest on certain bonds and loans which proceeds are used to finance the costs associated with the Clean Water Project.

This Clean Water Project Charge shall apply to the customers of the Metropolitan District who utilize both the District sewer system and are furnished water directly by the MDC.

The Clean Water Project Charge effective January 1, 2017 is \$3.50 per CCF of water consumed by District customers who utilize both the District water and sewer systems

2017 Capital Improvement Program

Funding

The 2017 plan for financing new and previously authorized Capital Improvement Programs is consistent with maintaining level debt service proportionate to the overall water and sewer expenditure budget.

Funding of the District's Capital Improvement Program for water and sewer projects (excluding projects related to the Clean Water Referendum) will consist of the issuance of long-term debt (general obligation bonds), short-term debt (notes), contributions for assessable sewer projects or State Clean Water Fund and Drinking Water State Revolving Fund Project Loan Obligations.

2017 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

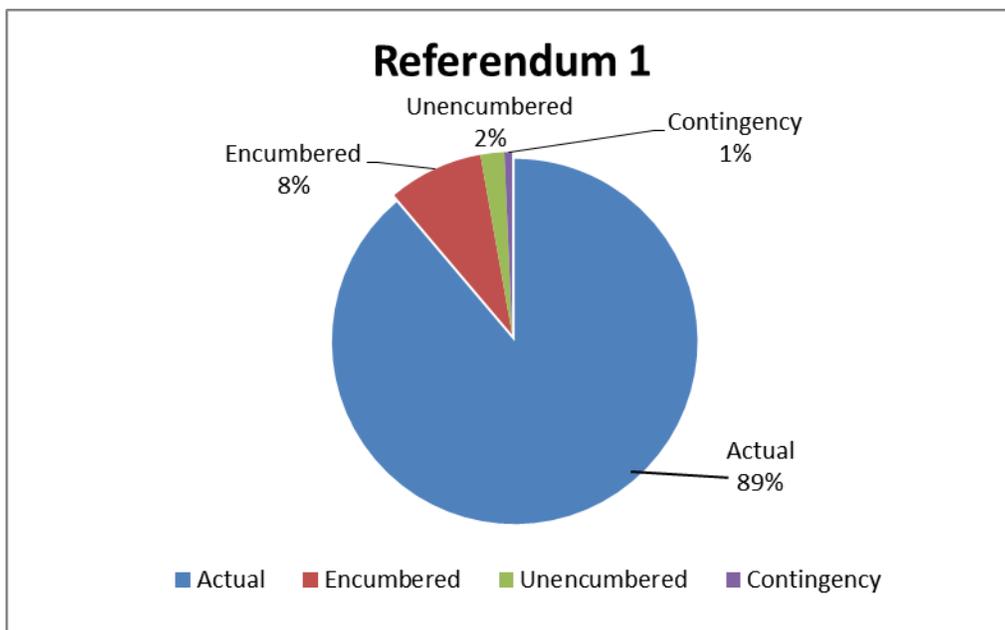
The 2006 Clean Water Project Referendum Fund accounts for financial resources to be used for the first phase of the Clean Water Project, which was authorized on November 6, 2006.

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	\$ 710,543,902.41
Encumbered	67,098,431.92
Unencumbered	16,883,162.64
Contingency	5,474,503.03
	<u><u>\$ 800,000,000.00</u></u>



2017 Capital Improvement Program

Referendum 1

Completed Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW1.CONHOM.00	2007 CWP Homestead	\$ 31,044,294.79	\$ 31,044,294.79	\$ -	\$ -
CW1.CONSBR.00	South Branch CSO Con	450,579.73	450,579.73	-	-
CW1.FSSFAR.04	Farmington Proj #4	658,004.15	658,004.15	-	-
CW1.FSSFAR.06	Farmington Proj #6	8,191,515.15	8,191,515.15	-	-
CW1.FSSFAR.1A	Farm Ave 1A Sew Sep	146,013.41	146,013.41	-	-
CW1.FSSFAR.71	Farmington Proj #7.1	2,561,258.59	2,561,258.59	-	-
CW1.FSSFAR.72	Farmington Proj #7.2	3,411,661.60	3,411,661.60	-	-
CW1.FSSFAR.PD	Farmington Ave PD	640,900.68	640,900.68	-	-
CW1.MGMPMC.07	Clisd2007 CWP PMC	788,016.54	788,016.54	-	-
CW1.MGMPMC.08	Clisd08 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.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 Outfall 1	350,653.54	350,653.54	-	-
CW1.NSSGRA.03	Granby Project #3 NE	759,152.57	759,152.57	-	-
CW1.NSSSTOW.01	2007 CWP Tower Ave	7,863,944.77	7,863,944.77	-	-
CW1.NSSSTOW.1A	2011 Tower Ave Bldg	4,427,275.10	4,427,275.10	-	-
CW1.NSSSTOW.FD	Tower Ave Area #1Des	157,819.00	157,819.00	-	-
CW1.NSSSTOW.PD	Tower Ave Sep PD	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 Proj #3	777,979.08	777,979.08	-	-
CW1.NSSUAL.07	Route 44 Storm Drain	898,400.75	898,400.75	-	-
CW1.NSSUAL.08	Garden Street Htfd	6,893,628.16	6,893,628.16	-	-
CW1.NSSUAL.E3	Burton St. Sew Sep	8,605,787.57	8,605,787.57	-	-
CW1.NSSUAL.ES	Upp Albany Edgewood	3,494,428.99	3,494,428.99	-	-
CW1.NSSUAL.PD	Upper Albany Sep PD	680,471.26	680,471.26	-	-
CW1.SSOGEN.07	2007 CW SSO Gen Rep	13,583,866.10	13,583,866.10	-	-
CW1.SSOGEN.08	2008 Clean Water SSO	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-Newington	3,409,832.12	3,409,832.12	-	-
CW1.SSONWT.02	2012 Newinton Lining	6,087,908.08	6,087,908.08	-	-
CW1.SSONWT.06	2012 Newinton Church	4,226,592.60	4,226,592.60	-	-
CW1.SSOWHA.01	2012 W. Hartford PR	1,577,096.29	1,577,096.29	-	-
CW1.SSOWHA.02	2012 SSO Pilot E- WH	2,047,087.39	2,047,087.39	-	-
CW1.SSOWHA.04	2012 Four Mile Rd	2,689,904.58	2,689,904.58	-	-
CW1.SSOWHA.06	2014 Greenhurst Proj	131,925.19	131,925.19	-	-
CW1.SSOWND.01	2012 SSO-Windsor	2,669,498.47	2,669,498.47	-	-
CW1.SSOWTH.03	2012 SSO Pilot D-Wet	2,286,152.78	2,286,152.78	-	-
CW1.SSOWTH.07	2012 SSO Exe Sq PS	125,813.20	125,813.20	-	-
CW1.SSOWTH.08	2012 FOLLY BROOK	1,282,440.20	1,282,440.20	-	-
CW1.SSSFRA.01	Franklin Proj #1- B	1,496,150.82	1,496,150.82	-	-
CW1.SSSFRA.02	FranklinAve #7-Pkg A	75,512.19	75,512.19	-	-
CW1.SSSFRA.04	Franklin Proj #4 - D	2,134,263.04	2,134,263.04	-	-
CW1.SSSFRA.11	FranklinAve #11-Pk A	319,978.07	319,978.07	-	-
CW1.SSSFRA.12	Franklin Proj #12 -D	1,556,006.57	1,556,006.57	-	-

2017 Capital Improvement Program

Referendum 1

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW1.SSSFRA.16	2012 Building Dis 1	\$ 543,137.15	\$ 543,137.15	\$ -	\$ -
CW1.SSSFRA.17	2012 Building Dis 2	400,481.70	400,481.70	-	-
CW1.SSSFRA.18	2012 Building Dis 3	316,932.80	316,932.80	-	-
CW1.SSSFRA.1A	Franklin Ave-House D	804,840.39	804,840.39	-	-
CW1.SSSFRA.PD	Franklin Ave Area PD	2,032,185.44	2,032,185.44	-	-
CW1.SSSPAR.01	Park River Proj #1	580,483.36	580,483.36	-	-
CW1.SSSPAR.03	Park River #3	904,041.42	904,041.42	-	-
CW1.SSSPAR.06	Green Capital Project	983,689.36	983,689.36	-	-
CW1.SSSPAR.07	Retreat Avenue	9,331,401.93	9,331,401.93	-	-
CW1.SSSPAR.11	2013 Green Infrastru	144,429.65	144,429.65	-	-
CW1.SSSPAR.PD	Park River Sep PD	683,914.79	683,914.79	-	-
CW1.WTFHAR.01	HWPCF Master Plan	9,736,407.51	9,736,407.51	-	-
CW1.WTFHAR.08	Incinerator #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 Proj	19,105,159.61	19,105,159.61	-	-
CW1.WTFHAR.12	Demo Compost Bldg	1,112,844.65	1,112,844.65	-	-
CW1.WTFHAR.13	Aeration Settle Tank	39,458,279.26	39,458,279.26	-	-
CW1.WTFHAR.16	BNR Phase II Upgrade	35,419,750.97	35,419,750.97	-	-
CW1.WTFHAR.17	2011 Solids Handling	779,406.04	779,406.04	-	-
CW1.WTFHAR.E1	Clsd07 CWP HWPCF PHI	5,200,006.71	5,200,006.71	-	-
CW1.WTFRKH.03	Rocky Hill Master PI	261,359.38	261,359.38	-	-
		\$ 390,364,651.06	\$ 390,364,651.06	\$ -	\$ -

2017 Capital Improvement Program

Referendum 2

Program – Clean Water Project – Referendum 2

<u>Amount</u>	<u>Project #</u>	<u>Fund</u>
\$800,000,000	CW2.000000.00	5400

Description

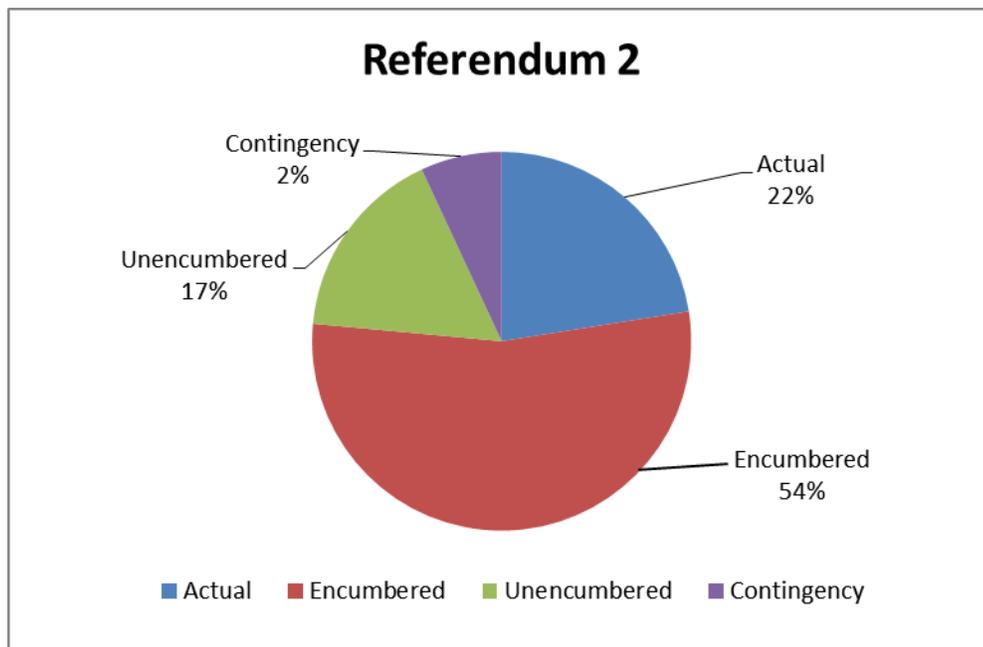
The 2012 Clean Water Project Referendum Fund accounts for financial resources to be used for the first phase of the Clean Water Project, which was authorized on November 6, 2012.

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	\$ 179,801,850.49
Encumbered	432,039,357.57
Unencumbered	132,742,997.92
Contingency	55,415,794.02
	<u>\$ 800,000,000.00</u>



2017 Capital Improvement Program

Referendum 2

Ongoing Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW2.NSSUAL.09	2014 Gully Brook Con	\$ 465,000.00	\$ 425,239.63	\$ 4,427.86	\$ 35,332.51
CW2.MGMCWP.15	2015 CWP Admin.	11,283,538.60	11,174,077.85	8,219.00	101,241.75
CW2.MGMCWP.16	2016 CWP Admin	10,472,000.00	10,459,183.85	12,500.00	316.15
CW2.SSOGEN.16	CMOM Plan Updates	100,000.00	-	85,519.30	14,480.70
CW2.CSOGEN.17	Large Diameter Clean	2,500,000.00	-	211,987.00	2,288,013.00
CW2.WTFHAR.25	2016 Ash Lagoon Cl.	5,000,000.00	3,390.73	219,955.27	4,776,654.00
CW2.MGMPMC.14	2014 CWP PMC / CDM	7,200,000.00	6,889,606.47	310,247.12	146.41
CW2.CSOGEN.16	2016 LTCP Flow Meter	1,531,681.76	1,220,392.66	311,289.10	-
CW2.TUNSTH.01	2015 SHCST Util Relo	3,970,000.00	2,504,364.13	408,879.72	1,056,756.15
CW2.NSSGRA.04	2016 Bloomfield SSES	1,200,000.00	126,513.94	798,036.83	275,449.23
CW2.CONFAR.02	2015 NNBI Rel./Oxfor	2,500,000.00	524,937.00	1,675,310.02	299,752.98
CW2.TUNSTH.03	2015 SHCST Pump Stat	78,500,000.00	8,202.80	1,916,797.20	76,575,000.00
CW2.MGMPMC.16	2016 CWP PMC/CDM	5,468,318.24	3,148,765.81	1,989,959.20	329,593.23
CW2.SSOWHA.06	2015 Greenhurst Road	6,203,950.00	3,101,208.95	2,520,811.02	581,930.03
CW2.WTFRKH.05	2016 RHWPCF Outfall	4,872,000.00	1,252.30	4,090,312.00	780,435.70
CW2.WTFRKH.04	2013 RHWPCF Cap & Up	58,372,820.00	34,284,131.80	21,756,920.82	2,331,767.38
CW2.WTFHAR.21	2014 WWEP #2012-21	178,630,980.00	53,906,490.65	116,918,280.12	7,806,209.23
CW2.TUNSTH.02	2015 SHCST Construct	336,495,845.00	22,206,019.54	278,799,905.99	35,489,919.47
		\$ 714,766,133.60	\$ 149,983,778.11	\$ 432,039,357.57	\$ 132,742,997.92
CW2.000000.00	Referendum 2 Contingency	\$ 55,415,794.02			
	Completed Projects	<u>29,818,072.38</u>			
	Referendum 2	<u>\$ 800,000,000.00</u>			

2017 Capital Improvement Program

Referendum 2

Completed Projects

Project ID	Project Name	Current Budget	Actual	Encumbered	Remaining Budget
CW2.SSSPAR.10	2014 PRI CRI Grit Ch	\$ 40,684.88	\$ 40,684.88	\$ -	\$ -
CW2.MGMCWP.13	2013 CWP Admin	505,030.18	505,030.18	-	-
CW2.MGMPMC.13	2013 CWP PMC	7,895,855.33	7,895,855.33	-	-
CW2.WTFHAR.24	2013 231 BRAINARD RD	10,421,490.76	10,421,490.76	-	-
CW2.MGMCWP.14	2014 CWP Admin.	10,955,011.23	10,955,011.23	-	-
		\$ 29,818,072.38	\$ 29,818,072.38	\$ -	\$ -

2017 Capital Improvement Program

Supplemental

Project Number	Project Name	Page Number
COM.BL0017.01	Administration Facilities and Equipment Improvements	39
SCS.SR0017.01	Assessable Sewer Program	11
SCS.SR0117.01	Bond Street Area Sewer Rehabilitation	12
WDS.DM0117.01	Bond Street Area Water Main Replacement	27
COM.EQ0017.01	Business Transformation	36
COM.EQ0017.02	Computerized Management System	41
COM.OT0017.01	Construction Services	37
SCS.SR0017.02	Dividend Brook Drainage Area Improvements-Phase 1	13
COM.OT0017.02	Engineering Services	38
COM.VE0017.01	Fleet Equipment Replacement	40
SCS.SR0017.03	General Purpose Sewer	14
WDS.DM0017.01	General Purpose Water Program	28
WPC.FA0117.01	Hartford WPCF DAFT	15
WDS.EQ0017.01	Hydrant Replacement Program	29
SCS.SR0017.04	Paving Program and Restoration	16
WDS.DM0017.02	Paving Program and Restoration	30
WDS.MT0017.01	Radio Frequency Automated Meter Reading Program	31
WTF.BN0517.01	Res #6 Filtered Water Basin Rehabilitation	32
SCS.SR0017.05	Sanitary Sewer Easements Acquisitions & Improvements	17
SCS.SR0017.06	Sanitary Sewer Rehabilitation Program	18
SCS.GT0017.01	Sewer System Gate Replacement - Collection System	19
COM.OT0017.03	Survey & Construction	42
COM.OT0017.04	Technical Services	43
SCS.SR0017.07	Various Sewer Segment Replacement/Rehabilitation Program	20
SCS.PS0017.01	Wastewater Pump Station Upgrades	21
WTF.TP1017.01	West Hartford Water Treatment Facility Pipe and Valve Replacements	33
WPC.FA0017.02	WPC Equipment & Facilities Improvements	22
WPC.FA0017.03	WPC Plant Infrastructure Renewal & Replacement	23
WPC.FA0017.04	WPC SCADA Upgrades	24

2017 Capital Improvement Program

Supplemental

Project Numbering Scheme

Element	Asset Class	.	Asset Type	To wn	Year	.	Sequence	Complete String	Explanation
# of Characters	3	1	2	2	2	1	2	13	
Samples	WTF	.	FA	05	14	.	01	WTF. FA0514. 01	Bloomfield Res. #6 Upgrade
	SCS	.	SR	01	14	.	89	SCS. SR0114. 89	Sewer Project in Hartford, started 2014, 89 Project Overall
	WDS	.	PV	00	14	.	07	WDS. PV0014. 07	Water Distribution - Pressure Relief Valves, Multi-Town, 2014, 7th project overall

Asset Class	
WSH	Water Supply/Hydro
WTF	Water Treatment Facilities
WDS	Water Distribution System
SCS	Sewer Collection and Storm
WPC	Water Pollution Control
COM	Combined

Asset Type	
BL	Buildings
BN	Finished water basins
CN	Conduits
DA	Dams
DM	Distribution Mains
EQ	Equipment
FA	Facilities
GT	Gates
HY	Hydroelectrical
IN	Interceptors
LA	Land
MP	Meter Pits
MT	Meters
OT	Other
OV	Overflows
PS	Pump Stations
PV	Pressure Relief Valves
RC	Recreation
RV	Reservoirs
RW	Raw Water Pipelines
SD	Storm Drains
SR	Sewers
TK	Storage Tanks
TM	Transmission Mains
TN	Tunnels
TP	Treatment Plant
VE	Vehicles
WL	Wells
XM	Interconnection Meters

Towns	
00	Raw Water and Multi-Town
01	Hartford
02	Wethersfield
03	Rocky Hill
04	Newington
05	Bloomfield
06	Windsor
07	East Hartford
08	Not Used
09	Not Used
10	West Hartford
11	Manchester
12	Glastonbury
13	Farmington
14	South Windsor
15	Unionville
16	Cromwell
17	Berlin
18	New Hartford
19	Avon
20	Windsor Locks
21	East Granby
22	Not Used
23	Not Used
24	Not Used
25	Burlington
26	Canton
27	Colebrook
28	Barkhamsted
29	Hartland
30	Essex
31	Collinsville
32	Goodwin HD
33	Ellington
34	Torrington
35	Watertown
36	Portland
37	West Hartland
38	Simsbury

2017 Capital Improvement Program

Supplemental

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

To: District Board

October 5, 2016

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. def.	YEAR	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance
WAT.CW1381.01	2013	2113	2013 Battles St Wtr Main Replace, Hrtfrd	Hartford	130,000.00	-	130,000.00
WAT.CW1383.01	2013	2113	2013 CWP - WM Replace Park St Htfrd	Hartford	4,450,000.00	1,122.00	4,448,878.00
WAT.CW1380.01	2013	2113	2013 CWP-Buckingham St WM Replace, Hart.	Hartford	450,000.00	-	450,000.00
WAT.CW1384.01	2013	2113	2013 CWP-WM Rplc Portion of Park St-PH 1	Hartford	1,800,000.00	-	1,800,000.00
WAT.CW1377.01	2013	2113	2013 Ely St Water Main Replace, Hartford	Hartford	100,000.00	-	100,000.00
WAT.CW1378.01	2013	2113	2013 Fairmount Wtr Main Replace, Hrtfrd	Hartford	70,000.00	-	70,000.00
WAT.CW1382.01	2013	2113	2013 Highland St Wtr Main Replace, EH	East Hartford	90,000.00	-	90,000.00
WAT.CW1367.01	2013	2113	2013 Main Street Water Main Replace, EH	East Hartford	880,000.00	-	880,000.00
WAT.CW1373.01	2013	2113	2013 Wtr Main Replace in Carroll Rd, EH	East Hartford	210,000.00	-	210,000.00
		2113 Total			8,180,000.00	1,122.00	8,178,878.00
WAT.CW1275.01	2010	2320	2010CWP Water Main Replac Broad St Htfd	Hartford	500,000.00	38,782.03	461,217.97
WAT.CW1259.01	2010	2320	2010Watr Main Replace Norwood Rd W. Htfd	West Hartford	125,000.00	3,824.24	121,175.76
WAT.CW1339.01	2012	2320	2012 Asset Mngmnt Computer Model Enhance	Various	396,000.00	-	396,000.00
WAT.CW1353.01	2012	2320	2012 CWP Park River Area Construction	Hartford	2,513,000.00	-	2,513,000.00
WAT.CW1280.02	2012	2320	2012 CWP W/M Replacement-Bond St.	Hartford	3,904,000.00	-	3,904,000.00
WAT.CW1316.02	2012	2320	2012 CWP W/M Replacement-Enfield St.	Hartford	120,000.00	-	120,000.00
WAT.CW1317.02	2012	2320	2012 CWP W/M Replacement-Greenfield St.	Hartford	444,000.00	-	444,000.00
WAT.CW1318.02	2012	2320	2012 CWP W/M Replacement-Magnolia St.	Hartford	27,000.00	-	27,000.00
WAT.CW1338.01	2012	2320	2012 CWP W/M Rplc-W Prestn/Broad St East	Hartford	3,300,000.00	-	3,300,000.00
WAT.CW1337.01	2012	2320	2012 CWP W/M Rplc-W Prestn/Broad St West	Hartford	4,400,000.00	-	4,400,000.00
WAT.CW1330.01	2012	2320	2012 CWP Water Main Replace-DistrictWide	Various	5,000,000.00	-	5,000,000.00
WAT.CW1270.02	2012	2320	2012 Water Facilities Security & Improv.	Various	480,000.00	-	480,000.00
WAT.CW1346.01	2012	2320	2012 Wtr Svc Replacements-District Wide	Various	480,000.00	-	480,000.00
WAT.CW1303.02	2014	2320	2012 T/M Replacement-Hamilton&Park PH 2	Hartford	1,500,000.00	-	1,500,000.00
		2320 Total			23,189,000.00	42,606.27	23,146,393.73
WAT.CW1200.01	2008	2326	2008 Capital Equipment Replacement	MDC	1,800,000.00	1,795,027.79	4,972.21
		2326 Total			1,800,000.00	1,795,027.79	4,972.21
WAT.CW1267.02	2010	2340	2010-Inc.Dam Safety Improvements-Res #2	Barkhamsted	1,640,000.00	-	1,640,000.00
		2340 Total			1,640,000.00	-	1,640,000.00
WAT.CW1351.01	2012	2341	2012 Land Aquisition	VARIOUS	600,000.00	-	600,000.00
		2341 Total			600,000.00	-	600,000.00
WAT.CWA348.01	2010	2709	Burnham Acres Water Project South Windso	South Windsor	778,500.00	365,277.98	413,222.02
		2709 Total			778,500.00	365,277.98	413,222.02
		Grand Total			36,187,500.00	2,204,034.04	33,983,465.96

After reviewing the information contained herein, at a meeting of the Board of Finance held on October 5, 2016, it was:

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

2017 Capital Improvement Program

Supplemental

Resolved: That the District Board approves appropriation close-outs for the projects listed above.

Respectfully submitted,

John S. Mirtle, Esq.
District Clerk

SEWER CAPITAL PROJECT PROGRAMS

To: District Board

October 5, 2016

From: Board of Finance

Proj. def.	YEAR	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance
WWA.CS1210.01	2013	5113	2013 Backwater Valve Program	MDC	750,000.00	-	750,000.00
WWA.CS1205.01	2013	5113	2013 Maple Mews WWPS - Hartford	Hartford	1,120,000.00	-	1,120,000.00
WWA.CS1199.01	2013	5113	2013 Park St Sanitary Swr Imprv - Cont 1	Hartford	2,140,000.00	-	2,140,000.00
WWA.CS1200.01	2013	5113	2013 Park St Sanitary Swr Imprv -Cont 11	Hartford	4,460,000.00	-	4,460,000.00
WWA.CS1201.01	2013	5113	2013 Park St Storm Swr Imprvmts Hrtfrd	Hartford	4,460,000.00	-	4,460,000.00
WWA.CS1209.01	2013	5113	2013 Private Property Inflow Disconnect	MDC	100,000.00	-	100,000.00
WWA.CS1193.01	2013	5113	2013 RHWPCF Sewershed I/I Removal-Cont 1	Rocky Hill	4,550,000.00	-	4,550,000.00
WWA.CS1194.01	2013	5113	2013 RHWPCF Sewershed I/I Removal-Cont 2	Rocky Hill	4,550,000.00	-	4,550,000.00
WWA.CS1195.01	2013	5113	2013 RHWPCF Sewershed I/I Removal-Cont 3	Rocky Hill	4,690,000.00	-	4,690,000.00
WWA.CS1203.01	2013	5113	2013 Sewer Gate Replace-Collection Syste	VARIOUS	4,310,000.00	-	4,310,000.00
WWA.CS1196.01	2013	5113	2013 W Hartford I/I Removal - Contract 1	West Hartford	4,800,000.00	-	4,800,000.00
WWA.CS1197.01	2013	5113	2013 W Hartford I/I Removal - Contract 2	West Hartford	4,940,000.00	-	4,940,000.00
WWA.CS1191.01	2013	5113	2013 Windsor Interceptor/NM-1	Windsor	1,890,000.00	-	1,890,000.00
		5113 Total			42,760,000.00	-	42,760,000.00
LTC0000004	2006	5200	Wethersfield Cove Area	Wethersfield	5,000,000.00	4,741,181.44	258,818.56
		5200 Total			5,000,000.00	4,741,181.44	258,818.56
WWA.CSA450.01	2012	5630	2012 Assessable Sewer Program	Various	344,000.00	-	344,000.00
WWA.CSA452.01	2013	5630	2013 Assessable Sewer Program	Various	500,000.00	-	500,000.00
		5630 Total			844,000.00	-	844,000.00
SSO0000002	2006	5800	2006 SSO Program-Newington	Newington	5,000,000.00	4,893,537.92	106,462.08
SSO0000003	2006	5800	2006 SSO Program-West Hartford	West Hartford	5,000,000.00	4,935,849.01	64,150.99
		5800 Total			10,000,000.00	9,829,386.93	170,613.07
WWA.CS1182.01	2012	5803	2012 Private Property Inflow Disconnect	Various	396,000.00	-	396,000.00
WWA.CS1180.01	2012	5803	2012 Sewer Storm Drain Prj Route 44 HA	Hartford	960,000.00	-	960,000.00
		5803 Total			1,356,000.00	-	1,356,000.00
		Grand Total			59,960,000.00	14,570,568.37	45,389,431.63

After reviewing the information contained herein, at a meeting of the Board of Finance held on October 5, 2016, it was:

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

2017 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

COMBINED CAPITAL PROJECT PROGRAMS

To: District Board

October 5, 2016

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. def.	YEAR	BA	Project Description	Town	Budget	Expended Amount	Remaining Balance
COM.CFP177.01	2013	5613	2013 231 BRAINARD RD BLDG RENOVATIONS	Hartford	5,000,000.00	-	5,000,000.00
		5613 Total			5,000,000.00		5,000,000.00
COM.CFP167.01	2012	5651	2012 Brainard Rd Building Renovations	Hartford	3,206,000.00	-	3,206,000.00
		5651 Total			3,206,000.00	-	3,206,000.00
COM.CFP155.01	2010	5652	2010 Vehicle & Equipment Replacement	MDC	1,931,000.00	1,931,000.00	-
		5652 Total			1,931,000.00	1,931,000.00	-
COM.CFP139.01	2009	5728	Long-Term Strategic Initiatives –	MDC	1,931,000.00	657,315.49	1,273,684.51
		5728 Total			1,931,000.00	657,315.49	1,273,684.51
		Grand Total			12,068,000.00	2,588,315.49	9,479,684.51

After reviewing the information contained herein, at a meeting of the Board of Finance held on October 5, 2016, 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

On motion made by Commissioner Marotta and duly seconded, the reports for resolutions 9C "GO Bonds Issuance" and 9D "Capital Project Closeouts" were received and the resolutions adopted by unanimous vote of those present.

2017 Capital Improvement Program

Supplemental

CLOSEOUT OF CLEAN WATER PROGRAMS CLEAN WATER FUND PROJECT PROGRAMS

To: District Board

November 2, 2016

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,

Proj. def.	YEAR	BA	Project Description	Budget	Expended Amount	Remaining
CW1.CONHOM.00	2007	5300	2007 CWP Homestead	31,044,294.79	31,044,294.79	-
CW1.CONSTR.00	2007	5300	South Branch CSO Con	450,579.73	450,579.73	-
CW1.FSSFAR.04	2007	5300	Farmington Proj #4	658,004.15	658,004.15	-
CW1.FSSFAR.1A	2007	5300	Farm Ave 1A Sew Sep	146,013.41	146,013.41	-
CW1.FSSFAR.71	2007	5300	Farmington Proj #7.1	2,561,258.59	2,561,258.59	-
CW1.FSSFAR.72	2007	5300	Farmington Proj #7.2	3,411,661.60	3,411,661.60	-
CW1.FSSFAR.PD	2007	5300	Farmington Ave PD	640,900.68	640,900.68	-
CW1.MGMPMC.07	2007	5300	Clsd2007 CWP PMC	788,016.54	788,016.54	-
CW1.MGMPMC.08	2007	5300	Clsd08 CWP PMC	3,981,562.16	3,981,562.16	-
CW1.MGMPMC.09	2007	5300	2009 CWP PMC	4,539,195.90	4,539,195.90	-
CW1.MGMPMC.10	2007	5300	2010 CWP PMC	5,414,789.79	5,414,789.79	-
CW1.MGMPMC.11	2007	5300	2011 CWP PMC	8,157,922.51	8,157,922.51	-
CW1.MGMPMC.12	2007	5300	2012 CWP PMC	6,719,698.60	6,719,698.60	-
CW1.MGMPMU.07	2007	5300	2007 CWP PMU	3,255,730.36	3,255,730.36	-
CW1.MGMPMU.08	2007	5300	2008 CWP PMU	3,403,759.44	3,403,759.44	-
CW1.MGMPMU.09	2007	5300	2009 CWP PMU	5,874,757.78	5,874,757.78	-
CW1.MGMPMU.10	2007	5300	2010 CWP PMU	10,922,243.51	10,922,243.51	-
CW1.MGMPMU.11	2007	5300	2011 CWP PMU	11,589,004.93	11,589,004.93	-
CW1.MGMPMU.12	2007	5300	2012 CWP PMU	6,894,906.59	6,894,906.59	-
CW1.MGMPMU.13	2007	5300	2013 CWP PMU	6,838,160.08	6,838,160.08	-
CW1.MGMPMU.14	2007	5300	2014 CWP PMU	242,347.52	242,347.52	-
CW1.NSSGRA.01	2007	5300	Granby Str Outfall 1	350,653.54	350,653.54	-
CW1.NSSGRA.03	2007	5300	Granby Project #3 NE	759,152.57	759,152.57	-
CW1.NSSTOW.01	2007	5300	2007 CWP Tower Ave	7,863,944.77	7,863,944.77	-
CW1.NSSTOW.1A	2007	5300	2011 Tower Ave Bldg	4,427,275.10	4,427,275.10	-
CW1.NSSTOW.FD	2007	5300	Tower Ave Area #1Des	157,819.00	157,819.00	-
CW1.NSSTOW.PD	2007	5300	Tower Ave Sep PD	106,658.86	106,658.86	-
CW1.NSSUAL.02	2007	5300	Upper Albany #2	1,189,367.10	1,189,367.10	-
CW1.NSSUAL.03	2007	5300	Upper Albany Proj #3	777,979.08	777,979.08	-
CW1.NSSUAL.07	2007	5300	Route 44 Storm Drain	898,400.75	898,400.75	-
CW1.NSSUAL.08	2007	5300	Garden Street Htfd	6,893,628.16	6,893,628.16	-
CW1.NSSUALE3	2007	5300	Burton St. Sew Sep	8,605,787.57	8,605,787.57	-
CW1.NSSUALE5	2007	5300	Upp Albany Edgewood	3,494,428.99	3,494,428.99	-
CW1.NSSUAL.PD	2007	5300	Upper Albany Sep PD	680,471.26	680,471.26	-
CW1.SSOGEN.07	2007	5300	2007 CW SSO Gen Rep	13,583,866.10	13,583,866.10	-
CW1.SSOGEN.08	2007	5300	2008 Clean Water SSO	7,690,639.29	7,690,639.29	-
CW1.SSONWT.06	2007	5300	2012 Newinton Church	4,226,592.60	4,226,592.60	-
CW1.SSOWHA.06	2007	5300	2014 Greenhurst Proj	131,925.19	131,925.19	-
CW1.SSOWTH.07	2007	5300	2012 SSO Exe Sq PS	125,813.20	125,813.20	-
CW1.SSOWTH.08	2007	5300	2012 FOLLY BROOK	1,282,440.20	1,282,440.20	-
CW1.SSSFRA.01	2007	5300	Franklin Proj #1- B	1,496,150.82	1,496,150.82	-
CW1.SSSFRA.02	2007	5300	FranklinAve #7-Pkg A	75,512.19	75,512.19	-
CW1.SSSFRA.04	2007	5300	Franklin Proj #4 - D	2,134,263.04	2,134,263.04	-
CW1.SSSFRA.11	2007	5300	FranklinAve #11-Pk A	319,978.07	319,978.07	-
CW1.SSSFRA.12	2007	5300	Franklin Proj #12 -D	1,556,006.57	1,556,006.57	-
CW1.SSSFRA.16	2007	5300	2012 Building Dis 1	543,137.15	543,137.15	-
CW1.SSSFRA.17	2007	5300	2012 Building Dis 2	400,481.70	400,481.70	-
CW1.SSSFRA.18	2007	5300	2012 Building Dis 3	316,932.80	316,932.80	-

2017 Capital Improvement Program

Supplemental

CW1.SSSFRA.1A	2007	5300	Franklin Ave-House D	804,840.39	804,840.39	-
CW1.SSSFRA.PD	2007	5300	Franklin Ave Area PD	2,032,185.44	2,032,185.44	-
CW1.SSSPAR.01	2007	5300	Park River Proj #1	580,483.36	580,483.36	-

District staff now recommends that the following projects be closed.

Proj. def.	YEAR	BA	Project Description	Budget	Expended Amount	Remaining
CW1.SSSPAR.03	2007	5300	Park River #3	904,041.42	904,041.42	-
CW1.SSSPAR.06	2007	5300	Green Capital Project	983,689.36	983,689.36	-
CW1.SSSPAR.11	2007	5300	2013 Green Infrastru	144,429.65	144,429.65	-
CW1.SSSPAR.PD	2007	5300	Park River Sep PD	683,914.79	683,914.79	-
CW1.WTFHAR.01	2007	5300	HWPCF Master Plan	9,736,407.51	9,736,407.51	-
CW1.WTFHAR.08	2007	5300	Incinerator #3 Rehab	43,055,158.32	43,055,158.32	-
CW1.WTFHAR.10	2007	5300	HWPCF SCADA	854,591.82	854,591.82	-
CW1.WTFHAR.11	2007	5300	UV Disinfection Proj	19,105,159.61	19,105,159.61	-
CW1.WTFHAR.12	2007	5300	Demo Compost Bldg	1,112,844.65	1,112,844.65	-
CW1.WTFHAR.13	2007	5300	Aeration Settle Tank	39,458,279.26	39,458,279.26	-
CW1.WTFHAR.E1	2007	5300	Clsd07 CWP HWPCF PHI	5,200,006.71	5,200,006.71	-
CW1.WTFRKH.03	2007	5300	Rocky Hill Master Pl	261,359.38	261,359.38	-
		5300 Total		312,541,506.00	312,541,506.00	-
CW2.MGMCWP.13	2009	5400	2013 CWP Admin	505,030.18	505,030.18	-
CW2.WTFHAR.24	2009	5400	2013 231 BRAINARD RD	10,421,490.76	10,421,490.76	-
CW2.MGMCWP.14	2009	5400	2014 CWP Admin.	10,955,011.23	10,955,011.23	-
CW2.SSSPAR.10	2009	5400	2014 PRI CRI Grit Ch	40,684.88	40,684.88	-
		5400 Total		21,922,217.05	21,922,217.05	-

After reviewing the information contained herein

At a meeting of the Board of Finance held on November 2, 2016, 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

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