

Welcome To Tap Into BUSINESS





Tap Into Business Procurement Office

Caprecia Poole-Williams, Chief Procurement Officer

May 30, 2023

Who We Are



Core Values Largest water utility in Maryland Provides service to a 1,000 square mile area in Prince George's & Montgomery Counties Accountability 475,000 accounts with 1.9M residents Collaboration We are entrusted by our community to provide safe and Environmental Stewardship reliable water, life's most precious resource, and return clean water to our environment, all in an ethical, sustainable, and financially responsible manner. Excellence **** Innovation

Procurement Overview



Mission:

Our mission is to provide world-class procurement services to our customers in an ethical, transparent and cost-effective manner while adhering to our rallying cry: "Source, Spend, Save!"

Roles and Responsibilities:

• Overseeing the bid and award process.



 Procuring goods and services (including professional and architectural engineering services) necessary to support WSSC Water's vision, mission, and values.

Procurement Office's Output



The following data illustrates the volume of purchase orders/requests processed by the Procurement Office, and the number of P-Card transactions in Fiscal Year 2022.



The dollar values below represent thresholds at which goods or services are procured via P-Cards, small purchases and solicitations.

- "Micro Purchases"/Purchase Card: ≤ \$5K
- Small Purchases: \$5,001 \$100K
- Solicitations: > \$100K

How We Buy

Invitation for Bid (e.g., lowest price)



• Request For Proposal (e.g., most advantageous)





What We Buy



The following lists provide an example of goods and services we purchase. The lists are not exhaustive.



Goods

- Auto Parts
- Chemicals
- IT Equipment
- Office Supplies
- Pipes, Valves, and Fittings
- Vehicles

Services

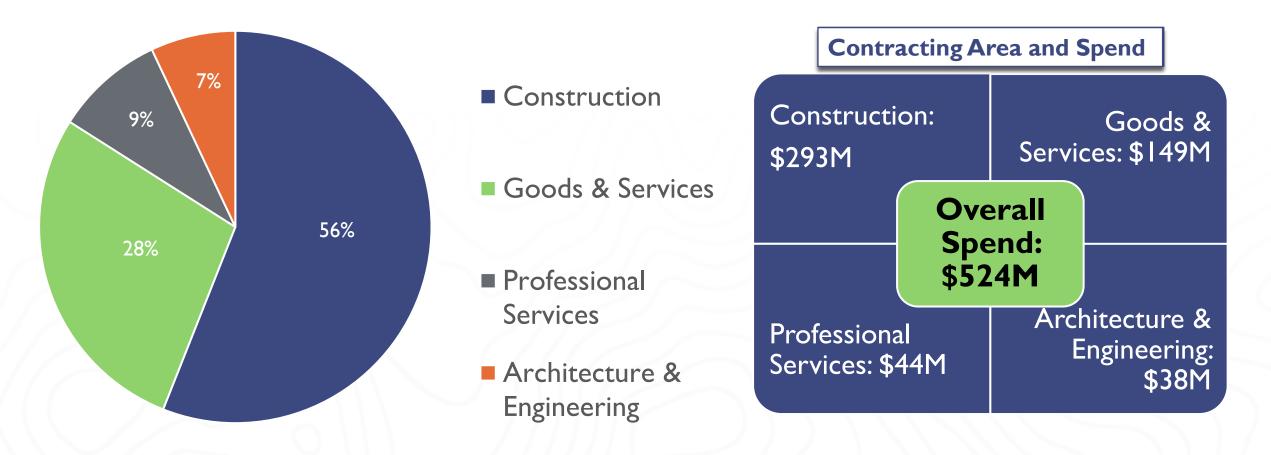
- Construction Services
- Cleaning and Restoration
- CCTV Inspection
- IT Consulting
- Maintenance Repair and

Operations

WSSC Water FY 2022 Spend



The following charts show spend by contracting area.



Small Purchase Spend



Small Purchases are informal requests for goods or services that are currently not under contract and don't exceed \$100k. These purchases fall into two categories and include efforts to solicit quotes from MBEs.

CATEGORY	PROVISIONS	Information Technology DepartmentIT equipmentSoftware licenses and subscriptions
I (\$5,00I - \$49,999)	 Quotes from at least 2 vendors Not required to be advertised on the Supplier Portal Basis of the award is the lowest quote 	 General Services Department Vehicle equipment, parts, and accessories Car wash services
2 (\$50,000 -\$100,000)	 Written quotes from at least 3 vendors Solicitation posted on the Supplier Portal for 3 days Basis of the award shall be specified in the solicitation as the lowest quote or most advantageous quote 	 Finance Department Audit services Actuarial services Production Department Freight services Preventative maintenance
¢2 (: III:	ant via 16 nurchago ardara	 Chlorinators

\$2.6 million spent via 46 purchase orders.

Doing Business with WSSC Water



Supplier Portal

- Centralized system that houses supplier information used by multiple departments at WSSC Water
- Site where vendors can update their information and contact details

What are the benefits?

- Only registered vendors are eligible to submit responses to solicitations
- Receive notifications based on company NAICS codes for newly published solicitations
- WSSC Water departments use the Supplier Portal to seek potential vendors for small purchase procurements
- Supplier Diversity Office uses Supplier Portal to match Prime vendors with potential subcontractors
- Be the first to know about upcoming WSSC Water events and networking opportunities!

WSSC Water's Bidding Process



The following is an overview of the process to submit bids/proposals for solicitations.



Tips for Business Success



- WSSC Water Regulations • WSSC Water bidding process and requirements Understand Read Кеер Compete Trying Be patient – Success takes time Learn from previous attempts Keep submitting responses
- Carefully read full solicitation
- Ask questions
- Submit responses in timely manner



- Add value through innovation and savings
- Give your very best response based on the information

Actions to Avoid

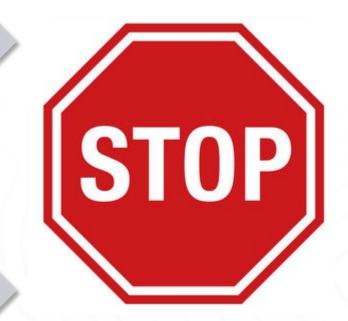


Making . Assumptions

- Assuming things about the solicitation
- Leading with politics over substance
- Thinking you'll win because you know someone at WSSC Water

Not Following Guidelines

- Being late with submissions
- Submitting incomplete/out of order responses
- Quitting



Upcoming Solicitations

F



Solicitation Description	Department	Estimated Contract Range	Solicitation Description	Department	Estimated Contract Range
Pipe Armoring Construction Services	Utility Services	\$10 - \$15 Million	Cisco Smartnet Maintenance	Information Technology	\$500,000 - \$1 Million
Anacostia II Wastewater Pumping Station Electrical Upgrade	Engineering & Construction	\$15 - \$20 Million	Montgomery Knolls Water Main Replacement	Engineering & Construction	\$10 - \$15 Million
Conversion RGH Building and Pkwy Water Resource Recovery Facility (WRRF)	Architectural & Engineering	\$500,000 - \$1 Million	Foreign Language Interpretation and Translation Services	Customer Services	\$500,000 - \$1 Million
General Construction Services	Production	\$5 - \$10 Million	Oracle Exadata On Premises Cloud Servies	Information Technology	\$3 - \$5 Million
West Cedar Lane Water Transmission Main Replacement	Engineering & Construction	\$5 - \$10 Million	Building Maintenance	Production	\$3 - \$5 Million
Rosaryville Rd Water Main Replacement	Engineering & Construction	\$2 - \$3 Million	Industrial Vacuum Services	Production/Utility Services	s\$500,000 - \$1 Million
New Hampshire Ave Water Main Replacement	Engineering & Construction	\$10 - \$15 Million	Cantrell Road Water Main Replacement	Engineering & Construction	\$4 - \$6 Million
Cleaning & Closed-Circuit Television (CCTV) Services	Utility Services	\$5 - \$10 Million	Sligo Creek 24" CIPP Lining	Engineering & Construction	\$5 - \$6 Million
Pump Maintenance Repair & Installation Services	Production	\$500,000 - \$1 Million	Queen Elizabeth Water Main Replacement	Engineering & Construction	\$5 - \$10 Million

Upcoming Solicitations



The following list provides an example of goods and services we are planning to award in Fiscal Year 2024. The list is not exhaustive.

Description	Department
Uniforms	General Services
Water and Sewer Services BOA	Pipeline Design
DC Water Blue Plains Wastewater Treatment Plant Biosolids Hauling, Management, and Utilization	Production
Lead Services Replacement	Production
Cleaning and CCTV Inspection Services	Utility Services

Presentations in the breakout rooms will provide more information about upcoming solicitations specific to Engineering & Construction and Goods & Services categories.













Tap Into Business

Capital Improvement Program

Mike Harmer, Chief Engineer

May 30, 2023



Agenda

- Capital Improvement Program Summary
- FY 2024 CIP Overview and Highlights
- Upcoming Solicitations
- Upcoming Key Projects
- Questions



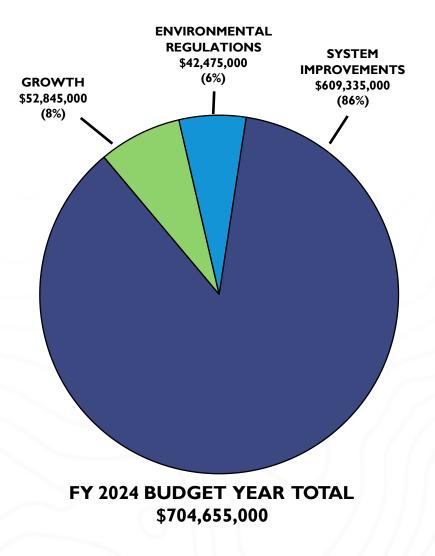
Capital Improvement Program Summary

Capital Improvement Program Summary



- Section 23-301 of the Public Utilities Article defines major projects for inclusion in the Capital Improvement Program (CIP) as follows:
 - An extension, project, or program of water and sewer facilities
 - Includes sewer mains at least 15" in diameter, water mains at least 16" in diameter, sewage or water pumping stations, force mains, and storage or other major facilities
 - Does not include mains that provide only local service, are 2,000 feet or less, and are built to avoid unnecessary and uneconomical duplication when a major project is constructed
- Other "Information Only" projects are included in the CIP document for financial planning purposes, improved public understanding of our full capital program, and as requested by the Counties
 - Includes water and sewer projects that do not meet the above definitions, such as our water and sewer reconstruction projects for smaller diameter mains
 - o Includes administrative projects, such as the RGH headquarters, depots, and laboratory
 - Includes other projects, such as the Engineering Support Program, Energy Performance Program, and Other Capital Programs

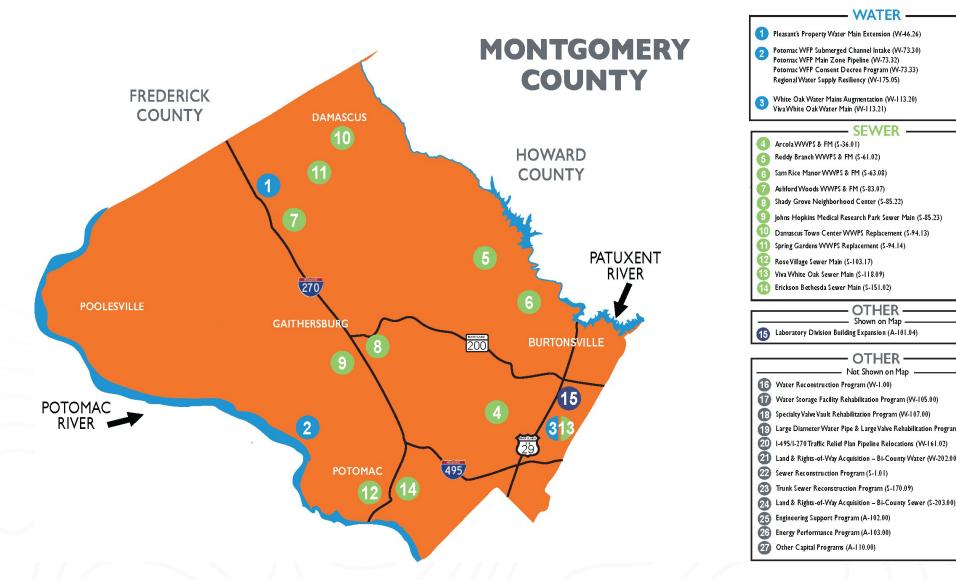




86% of the FY 2024 combined program is for reinvestment in our system infrastructure

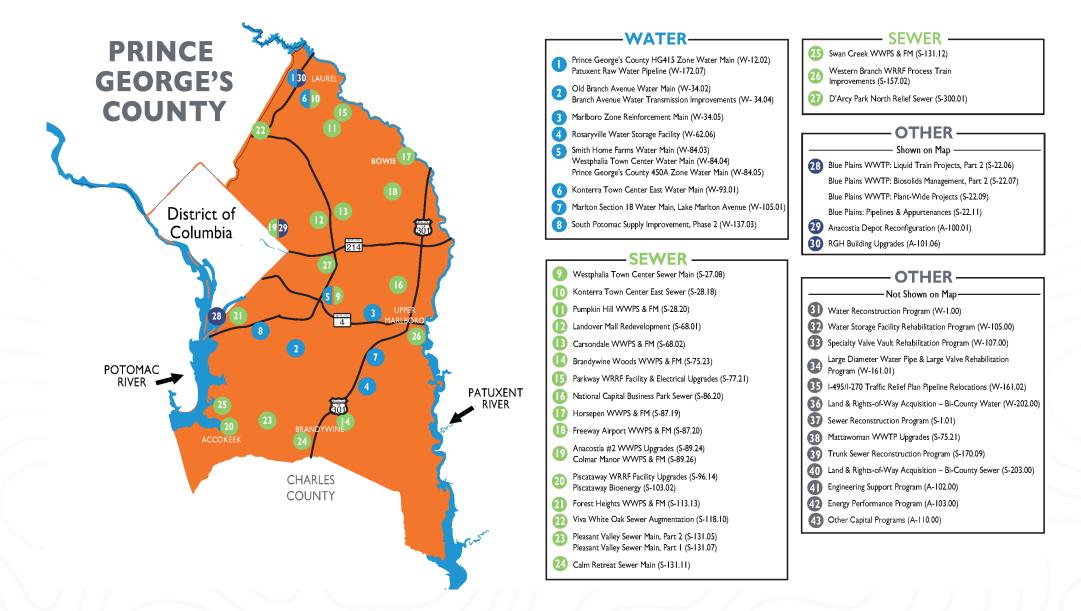
Major Category		FY 2024 Amount
Growth		\$52,845,000
System Improvements		\$609,335,000
Environmental Regulations		\$42,475,000
	Total	\$704,655,000





	WATER	
1	Pleasant's Property Water Main Extension (W-46.26)	
2	Potomac WFP Submerged Channel Intake (W-73.30) Potomac WFP Main Zone Pipeline (W-73.32) Potomac WFP Consent Decree Program (W-73.33) Regional Water Supply Resiliency (W-175.05)	
3	White Oak Water Mains Augmentation (W-113.20) Viva White Oak Water Main (W-113.21)	
	SEWER	
4	Arcola WWPS & FM (S-36.01)	
5	Reddy Branch WWPS & FM (\$-61.02)	
6	Sam Rice Manor WWPS & FM (S-63.08)	
7	Ashford Woods WWVPS & FM (\$-83.07)	
8	Shady Grove Neighborhood Center (S-85.22)	
9	Johns Hopkins Medical Research Park Sewer Main (\$-85.23)	
10	Damascus Town Center WWPS Replacement (\$-94.13)	
1	Spring Gardens WWVPS Replacement (S-94.14)	
12	Rose Village Sewer Main (S-103.17)	
13	Viva White Oak Sewer Main (S-118.09)	
14	Erickson Bethesda Sewer Main (S-151.02)	
15	CTHER Shown on Map Laboratory Division Building Expansion (A-101.04)	
		I
	OTHER	
16	Water Reconstruction Program (W-1.00)	
17	Water Storage Facility Rehabilitation Program (W-105.00)	
18		
-	Large Diameter Water Pipe & Large Valve Rehabilitation Program (W-161.01)	
20		
-	Land & Rights-of-Way Acquisition – Bi-County Water (W-202.00)	
22	Sewer Reconstruction Program (S-1.01)	
-		







Water Reconstruction Programs

- WSSC Water maintains 6,000 miles of water mains ranging from 4" to 96" in diameter
- Continuing investments in new technologies and tools to develop a more efficient and effective program
- Over 100 miles of Pre-stressed Concrete Cylinder Pipe (PCCP) inspected and monitored 24/7; avoided 45 imminent pipe failures
- FY 2024 program: 27 miles of distribution (<16") and 6.5 miles of transmission (≥16") mains
- FY 2024 budget: \$166.5 Million





Sewer Reconstruction Programs

- WSSC Water maintains 5,700 miles of sewer mains
- Includes replacement of pipe, relining of pipe, pipeline protections, and rehabilitation of manholes
- Sanitary Sewer Overflow (SSO) Consent Decree Priority I rehabilitation work in Article 6 was completed by the February 2022 deadline
- Funding via Maryland Department of the Environment (MDE) low-interest loans and Bay grants
- FY 2024 program: 35 miles of sewer rehabilitation
- FY 2024 budget: \$120.6 Million





Patuxent Electrical Upgrades

- Replacing the electrical equipment on the second power feed to the Patuxent Water Filtration Plant
- Construction contract expected to be awarded at the August 2023 Commission Meeting
- ESP Budget Amount is \$5.2 Million

Water Filtration Plants (WFPs)

- WSSC Water owns and operates two WFPs, the Potomac WFP and the Patuxent WFP
- The two plants produced an average of 161.2 million gallons of water per day (MGD) in FY 2022



Water Storage Facility Rehabilitation Program

- 9 Tanks currently scheduled for rehabilitation
- Pointer Ridge currently under construction
- Others in evaluation or design phase
- FY2024 budget: \$6.692 Million

Western Branch WRRF Process Train Improvements

Projects included:

- Splitter Box Replacement in Construction
- Tertiary Filter Replacement in Construction
- Substation 6 Demolition and New Warehouse in Design
- Main Substation Replacement in Design
- Process Train Improvements in Design
- Potable Water System Upgrades in Design

Total CIP Budget Estimate: \$115.8 Million









Upcoming CIP Solicitations Engineering & Construction

Engineering and Construction - Overview

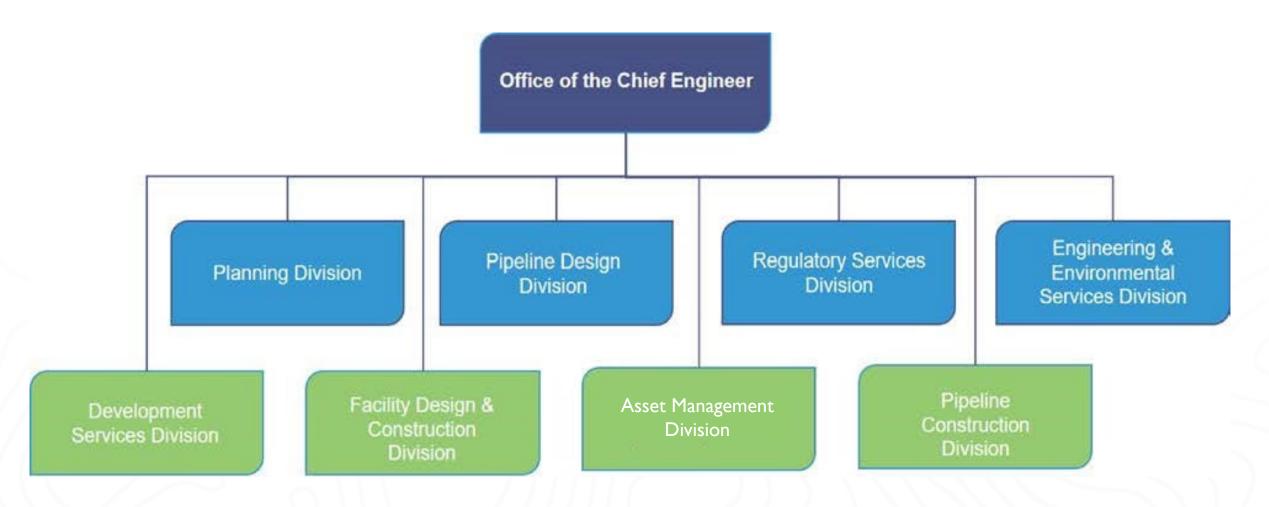


Manages the planning, design and construction of the CIP Projects, and serves as the water and sewer regulatory body that protects the system and the public.

- Embraces continuous improvements through employee development
- Performance accountability is a key to success
- Streamlining processes
- Efficient use of emerging technologies

Led by the Chief Engineer, the Department is comprised of the divisions shown in the following chart.

Engineering and Construction - Organizational WSSCHATER Structure



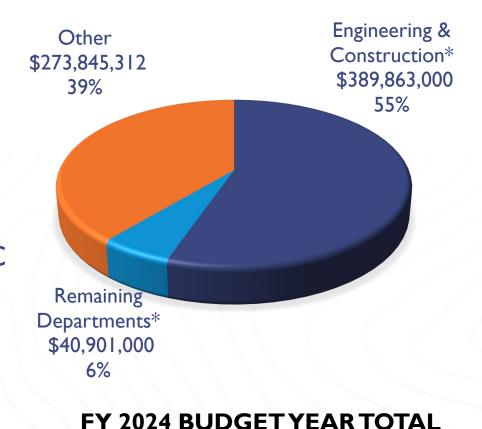
31

32

Engineering and Construction FY24 Budget

The Engineering & Construction (E&C) Department is responsible for the planning, design, land acquisition, and construction activities for major water and sewer infrastructure programs and projects that fall under the Capital Improvements Program (CIP)

- E&C accounts for 55% of the overall CIP Budget
 Approximately 70 of the 72 active projects fall under E&C
- Other accounts for 39% of the overall CIP Budget
 - Other includes costs related to projects already in construction and other associated expenses.
- **Remaining Departments** account for the final 6%
 - Production
 - Utility Services
 - General Services, etc.



\$704,609,312

*Includes ongoing programs like the water and sewer reconstruction programs. So, some work may already be in

construction.



Upcoming Solicitations – Engineering & Construction



Engineering & Construction Contracts	Estimated Date	Value
General Design & Engineering Services BOA	I st Qtr FY 2024	\$10M - \$15M
Montgomery Knolls WMR	I st Qtr FY 2024	\$10M - \$15M
Pipeline Construction IDIQ Sewer Roads Contract	I st Qtr FY 2024	\$30M - \$60M
Pumpkin Hill Waste Water Pumping Station (WWPS) Upgrade	I st Qtr FY 2024	\$3M - \$5M
Tanglewood Road Phase I Water Main Replacement	I st Qtr FY 2024	\$5M - \$10M
Tanglewood Road Phase 2 Water Main Replacement	I st Qtr FY 2024	\$10M - \$15M
Water and Sewer Main Rehabilitation Basic Ordering Agreement (BOA)	2 nd Qtr FY 2024	\$75M - \$100M
102-inch Anacostia Trunk Sewer Rehab (7000LF)	2 nd Qtr FY 2024	\$2M - \$3M
Anacostia II Waste Water Pumping Station Electrical Upgrades	2 nd Qtr FY 2024	\$20M - 50M
Bock Road 20" Transmission Water Main Replacement	2 nd Qtr FY 2024	\$15M - \$20M
Cantrell Rd Water Main Replacement	2 nd Qtr FY 2024	\$5M - \$10M
Paint Branch Roads Sewer Rehab	2 nd Qtr FY 2024	\$15M - \$20M

Upcoming Solicitations – Engineering & Construction Cont'd



Engineering & Construction Contracts	Estimated Date	Value
Pipeline Construction IDIQ Water Main Replacement Contract	2 nd Qtr FY 2024	\$30M - \$50M
Sewer Management Program	2 nd Qtr FY 2024	\$15M - \$20M
Western Branch Water Resource Recovery Facility SS-6 Decommission	2 nd Qtr FY 2024	\$2M - \$3M
Western Branch Water Resource Recovery Facility Potable Water System Upgrades	2 nd Qtr FY 2024	\$5M - \$10M
Andrews Elevated Water Storage Facility Rehabilitation	3 rd Qtr FY 2024	\$5M - \$10M
Clinton Zone 42-inch Water Main Phase IV	3 rd Qtr FY 2024	\$20M - \$50M
Clopper Road Water Main Replacement Phase IB	3 rd Qtr FY 2024	\$5M - \$10M
Pipeline Construction Division Inspection Services Contract	3 rd Qtr FY 2024	\$8M - \$13M
Piscataway Water Resource Recovery Facility Train 1 and 2 480V Blowers	3 rd Qtr FY 2024	\$15M - \$20M
Sewer Environmental Services	3 rd Qtr FY 2024	\$5M - \$10M
Staff Augmentation Services	3 rd Qtr FY 2024	\$10M - \$15M
Facilities Master Planning BOA Services	3 rd Qtr FY 2024	\$10M - \$15M
Anacostia No. 2 Waste Water Pumping Station Bar Screens Upgrade	4 th Qtr FY 2023	\$15M - \$20M



Upcoming Key Projects

Clopper Road 24" Water Main Replacement

Current Actions

- Fast-track design and construction to replace/rehab 3.8 miles of water main in 3 phases
- Design
 - Phase IA (0.7-mile): Design near 90% phase, completion est. Summer 2023*
 - Phase IB (I.I-miles): Design near 30% phase, completion est. Fall 2023
 - Phase 2 (2-miles): Design completion est. Summer 2024
- Virtual community meetings
 - Hosted on Feb. 15 and 16 to update customers and answer questions
- Estimated Construction Schedule
 - Phase IA: Start Fall 2023; complete Summer 2024
 - Phase IB: Start Winter 2023; complete Fall 2024
 - Phase 2: Start Fall 2024; complete Fall 2026

*Majority of recent breaks (3) in Phase IA

Budget Estimates

- Phase IB: Approximately \$5M \$10M
- Phase 2: Estimate In Progress, Roughly \$15M - \$20M





Large Water Meter Replacement Program



Background

Beginning in November 2007, WSSC embarked on its Large Water Meter Replacement Program geared towards replacing approximately 4,200 3-inch and larger meters in its distribution system.

- Key indicators of failed water meters are as follows:
- Excessive maintenance costs incurred as a result of tuberculation
- The meter malfunctions beyond the point of "routine" repair
- Meter becomes obsolete, inhibiting accuracy of readings, and generates extensive billing issues.
- The maintenance too frequent to warrant further service





Saks 5th Avenue -MV Project

Project Objectives:

- Rehabilitation of two (2) large water meter vaults serving the Saks Fifth Avenue department store at 5555 Wisconsin Avenue in Chevy Chase, MD.
- MV6132D16 to replace the existing meter vault on Belmont Ave. (Back side) Estimated Budget of \$200K
 - Ensure continued, reliable domestic water service and a secondary fire suppression service to the Saks Fifth Avenue building
- MV4848D08 to decommission the existing meter vault on Wisconsin Ave. (Frontage) and replace it with a straight section of 6" DIP Estimated Budget of \$200K
 - Maintain a continued active fire service connection per Maryland Law & WSSC Plumbing Code.



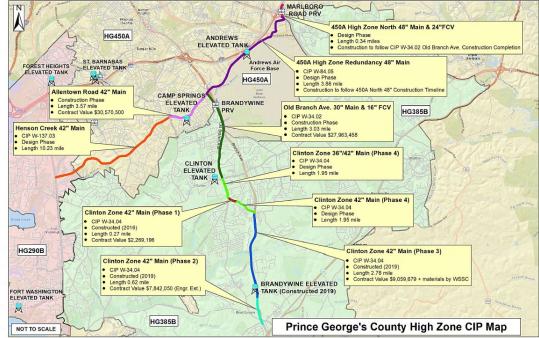
CIP W-84.05, 450A High Zone 48" Redundancy Main



Project Objectives & Benefits:

Provides Southern Prince George's County 450A High Zone with increased capacity, redundancy, and reliability. The Old Branch Avenue 30-inch Water Main (CIP 34.02) is used as solution to construct the Northern portion of CIP 84.05.

- The 450A North 48" main & 24" FCV utilizes the same trench method to replace an existing 36" PCCP main to serve as a primary feed to the HG385B Zone.
- The Old Brach Avenue 30-inch Water Main & FCV (CIP W-34.02) project is on a prioritized construction schedule to enable the same trench replacement of the 450A North 48" main construction feasible.

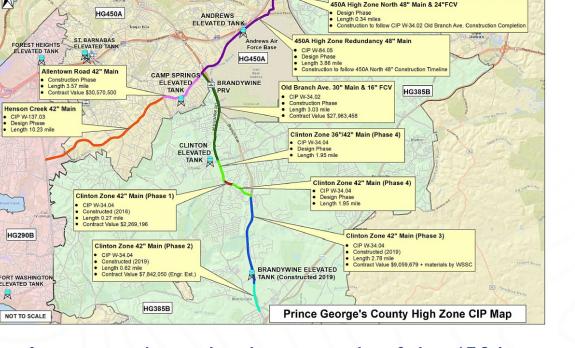


<u>CIP W-84.05</u>, 450A High Zone 48" Redundancy Main (cont.)

Cost saving benefits of utilizing the same trench method:

=

- *Strategic replacement of existing aging 36-inch PCCP main is estimated to save WSSC approximately \$3.75M in future Replacement costs and future O&M of the existing 36-inch PCCP main. This is averted cost with implementing the Same Trench Replacement option now.
- New and upsized DIP main and a new automated FCV that replaces the outdated Marlboro Road PRV and will contribute to the enhanced reliability to WSSC Water systems control and its water transmission system capacity.
- Eliminates the concern on the impact of heavy construction activity on the existing 36-inch PCCP and places the Condition Assessment Division at ease and removes the concerns of the EESD strict utility clearance requirement.
- Improves the redundancy needs of the 450A
 High Zone service area as originally planned
- Eliminates future removal and replacement of the existing 36-inch PCCP main which is in dire need for repair or replacement.



ROAD PRV

Hicks



CIP W-84.05, 450A High Zone 48" Redundancy Main (cont.)

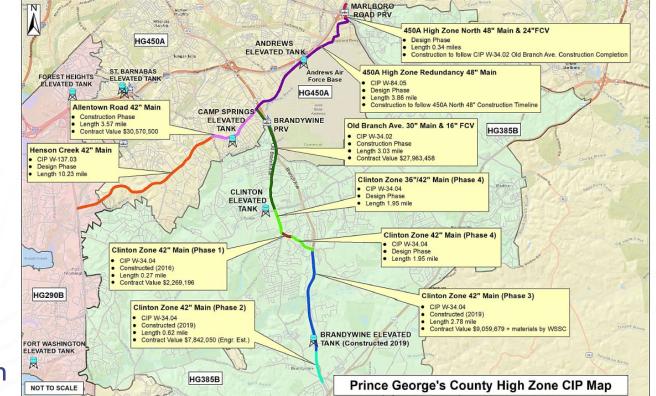


Highlights

- Approximately 3.5 miles of new 48-inch diameter transmission main
- Provides support and stability to the PCCP inspection program.
- Sustains WSSC Water's ability to provide service to customers during planned and unplanned outage conditions.

Coordinating Projects

- W 34.02 Old Branch Avenue Water Main
- W 137.03 South Potomac Supply Improvement, Phase 2



=

Various Vendors/Trades Opportunities Listing



- Civil Assessment, Design & Feasibility
- Project Management /Other Engineering
- Utility Coordination
- Geotechnical Services
- Mechanical Services
- Electrical Services
- Structural Services
- Permitting Services
- Cathodic Protection Services
- Environmental Services
- Survey
- Plumbing
- Grading / Earthwork

- Inspection CCTV Inspection
 - Construction Inspection
- Blasters (Existing Rock)
- Directional Drilling / Jack & Bore
- Underground Utility Construction (Pipe Laying)
- Main Relining
- Paving / Asphalt Services
- Concrete Flatwork
- Traffic Control Services
- Heavy Equipment Operators
- Carpentry
- Masons
- Welding

- Utility Locating Services
- Materials Evaluation
- Ecologist
- Utility Forestry
- Crain Services
- Laborers
- Fuel for Construction Equipment
- Office Supplies
- Construction Expendables
- Stone, Backfill, Other Materials
- Valves and Pipe Suppliers
- Portable Washrooms
- Construction Trailers
- Signage





