



Derwood Station

Corrosion Study Results & Project Overview

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Agenda

- WSSC Water Overview
- Pipe Study Findings & Efforts
- Derwood Station Corrosion Study
- Project Maps & Preview
- Important Contacts/Customer Assistance
- Questions & Answers

WSSC WATER AT A GLANCE



★ **106 years** of no drinking water quality violations, ever.
 ★ **Platinum Peak Performance** recognition for wastewater treatment and resource recovery excellence.



8th

Largest combined water and wastewater utility in the United States by population served



1.9M

Residents served



162 MGD

Water provided each day



1000 Sq. Miles

Size of WSSC Water's Service Area



1,700+

Members of Team H₂O deliver on our mission



\$114.9B

WSSC Water supports the economic output of Prince George's and Montgomery counties



\$1.8B

FY2025 Operating & Capital Budget



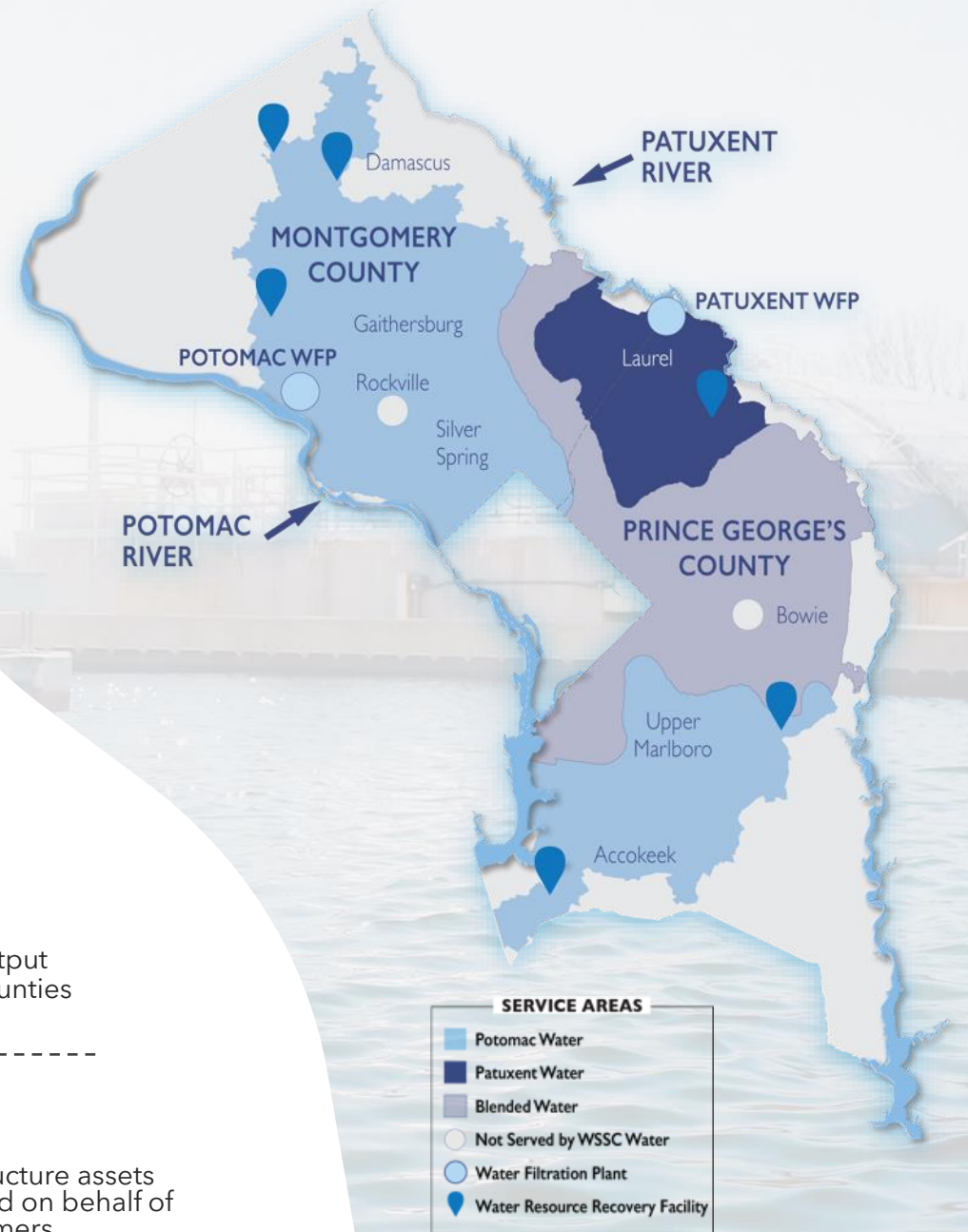
\$5.9B

6-Year Capital Improvements Program



\$9B

In infrastructure assets maintained on behalf of our customers



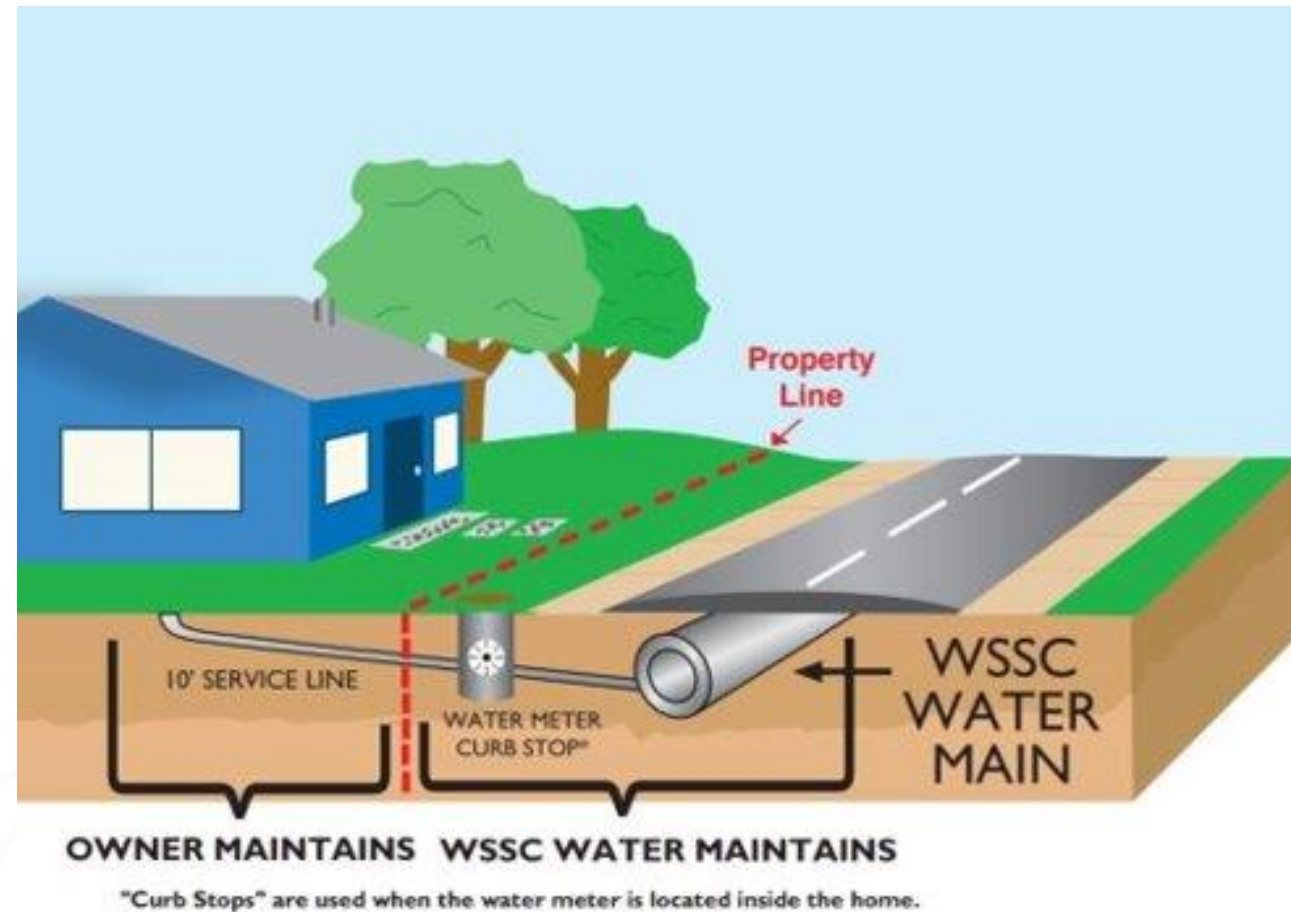


Derwood Community Feedback

- Community members expressed concerns over the number of breaks, particularly on Titonka Way, damage to property and age of infrastructure.
- We conducted a full assessment to determine whether a more comprehensive replacement of both water and sewer mains is necessary.
- We are committed to accelerating our design, procurement and construction processes, where possible.

Pipe Study Findings & Efforts

- Pipes were installed between 1981 and 1985 during the construction of Derwood Station, and their current average age is 41 years.
- Derwood Station consists of just over 5 miles of pipe ranging from four to 12 inches in diameter. This pipe is made of ductile iron and has a life expectancy of 90 years.
- Forty-two breaks and leaks have occurred since 2003, with 28 occurring since 2016.



Pipe Study Findings & Efforts



Breaks since 2016	
Year	Number of Breaks
2016	5
2017	2
2018	1
2019	5
2020	1
2021	0
2022	3
2023	4
2024	7

Pipe Study Findings & Efforts

- We tested the soil at 13 sites throughout Derwood Station, targeting areas of concern.
- Our three testing methods included:
 - Stray current
 - pipe-to-soil potential testing and
 - soil corrosivity testing



Stray current testing efforts on Oskaloosa Terrace

Pipe Study Findings & Efforts



Example of pipe break due to corrosion

- **Stray Current Exposure**
Moderate to severe stray currents have been observed on multiple pipe segments.
- **Soil Conditions**
Soils in the area range from mildly to moderately corrosive.
- **Urgent and Potential Project Areas**
Project areas have been identified based on break history, soil/pipe studies and previous data on pipes of similar age and class.

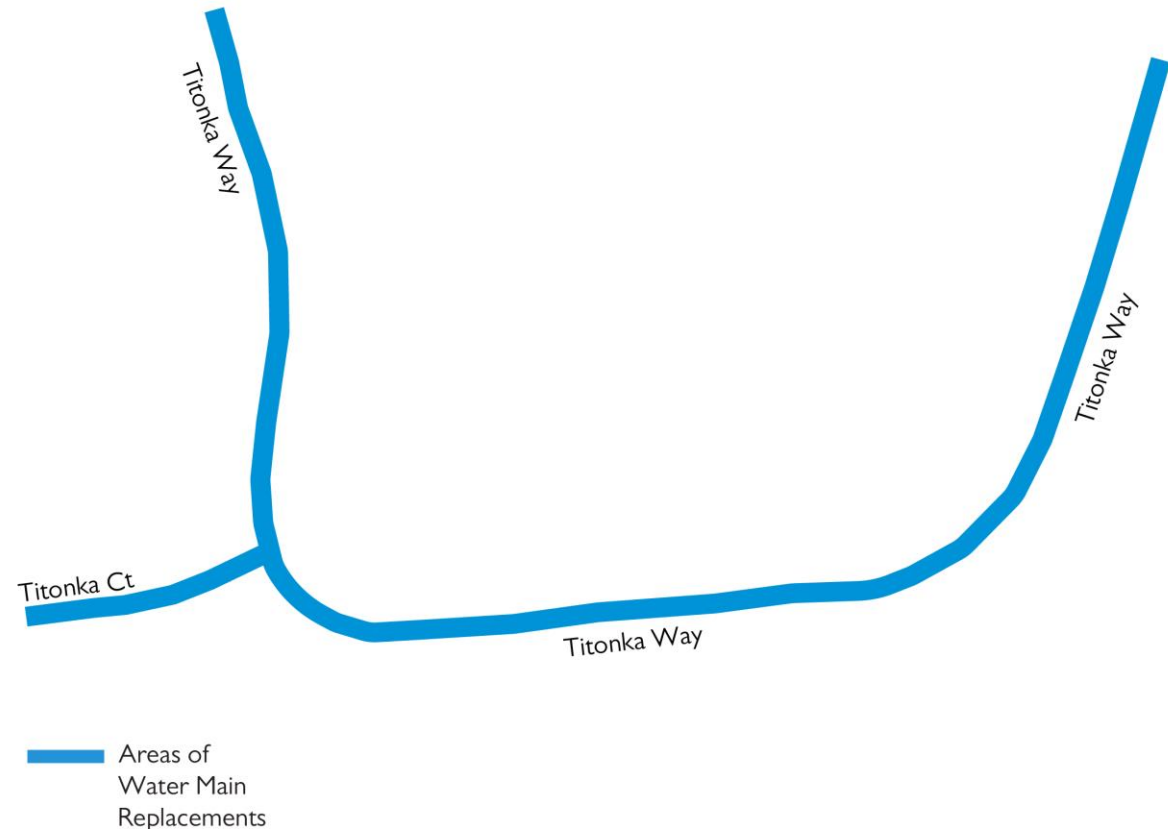
Project Map & Overview

Titonka Way/Court WMR

- Total length of water main replacement is approximately 0.3 miles.
- Expedited Design & Construction – 3 months (Spring 2025-Summer 2025)*
- Replacement pipes for both projects will be new zinc-coated ductile iron wrapped to protect against corrosion and stray currents.

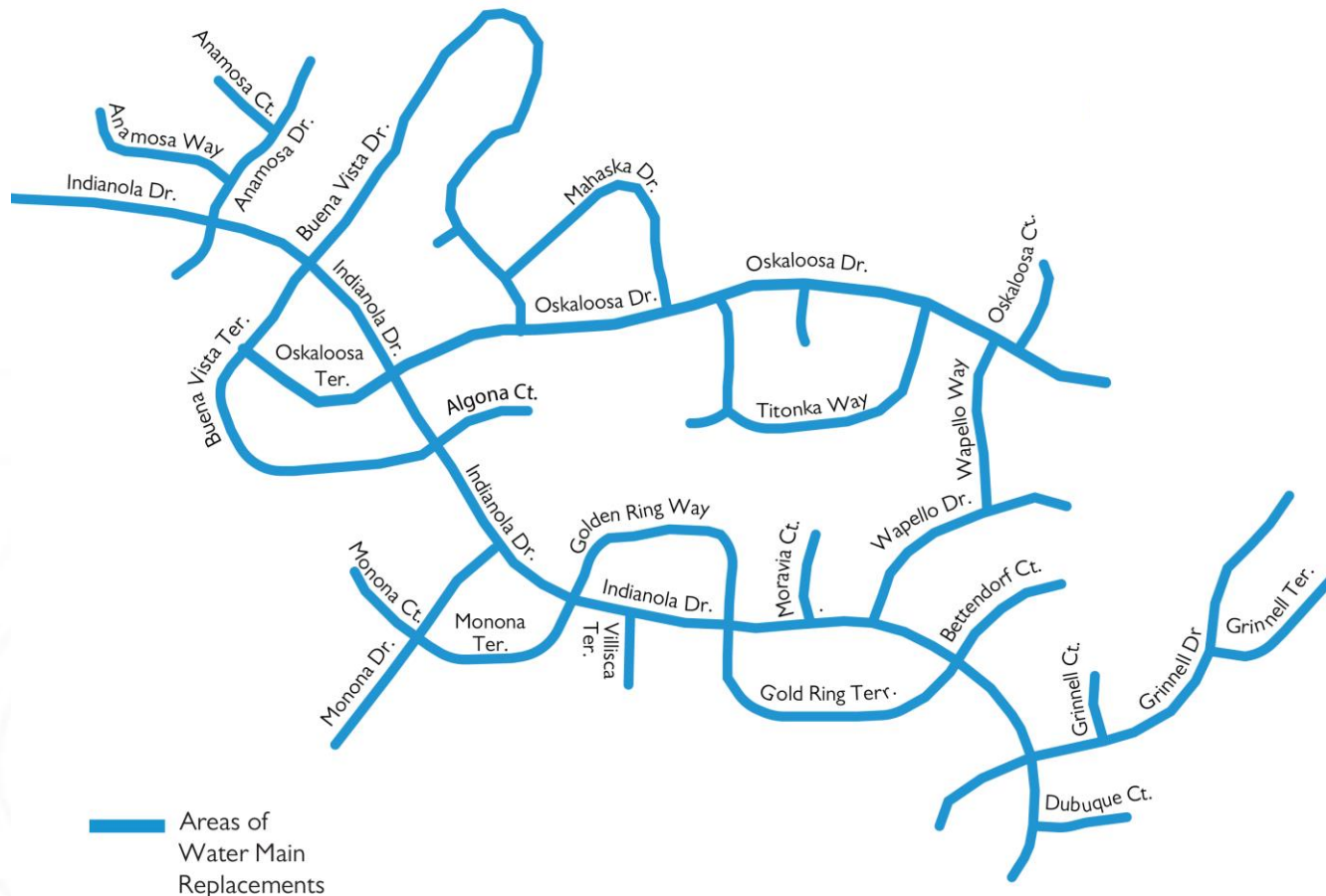
*Construction will be coordinated to minimize disturbances to the community.

URGENT PHASE I - TITONKA WAY WATER MAIN REPLACEMENT PROJECT MONTGOMERY COUNTY, MARYLAND



Project Map & Preview

PHASE II - DERWOOD STATION WATER MAIN REPLACEMENT PROJECT MONTGOMERY COUNTY, MARYLAND



Derwood Station WMR

- Total length of water main to be replaced is 4.9 miles

Potential Timeline*

- Expedited Design - 1.5 years
 - Spring/Summer 2025 - Fall/Winter 2026
- Procurement – 3 to 6 months
 - Fall/Winter 2026 - Winter/Spring 2027
- Expedited Construction – 3 years
 - Winter/Spring 2027 - Winter/Spring 2030

*Project will proceed as weather and permitting conditions allow.

Project **Contacts**

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Section Manager, Replacement Planning

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Philip Bryant Callahan

Customer Advocate

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Philip.Callahan@wsscwater.com

Emergency Services Center

Open 24/7/365

301-206-4002

emergencycallcenter@wsscwater.com



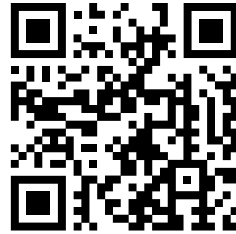
Scan or visit
wsscwater.com/projectmeetings
for more information on
Community Project Meetings

Helping Our Neighbors: Water Bill Assistance



Promise.

Sign up for an affordable, flexible and interest-free payment plan. **Customers with a past-due balance of \$50 or more are eligible.**

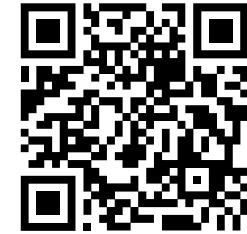


CUSTOMER ASSISTANCE PROGRAM (CAP)

CAP assists approved residential customers by **waiving fixed fees**, providing **free annual plumbing inspections** for water leaks and **much more.**



Eligible customers can access the Water Fund multiple times, **up to \$500 per year.**



PipeER+

Provides a loan **up to \$10,000** to finance the repair, replacement or diagnostics of sewer or water on-property service line. The WSSC Federal Credit Union administers PipeER.



wsscwater.com/assistance



Contact Us: (301) 206-4001
customerservice@wsscwater.com



CNS Customer Notification System

Receive alerts about WSSC Water-related incidents near your home, office, school, or other important addresses.

Register for *text or email* alerts on up to three addresses.

REGISTER AT WSSCWATER.COM/CNS

Customer Notification System (CNS)

REPORT A WATER OR SEWER EMERGENCY

301-206-4002

EmergencyCallCenter@wsscwater.com

WSSC Water Mobile App
Available on Apple App Store and Google Play

Report Water/Sewer Emergency



Questions?

