



Meter Infrastructure Replacement Program

WSSC WATER AT A GLANCE



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



8th

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



1.9M Residents



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



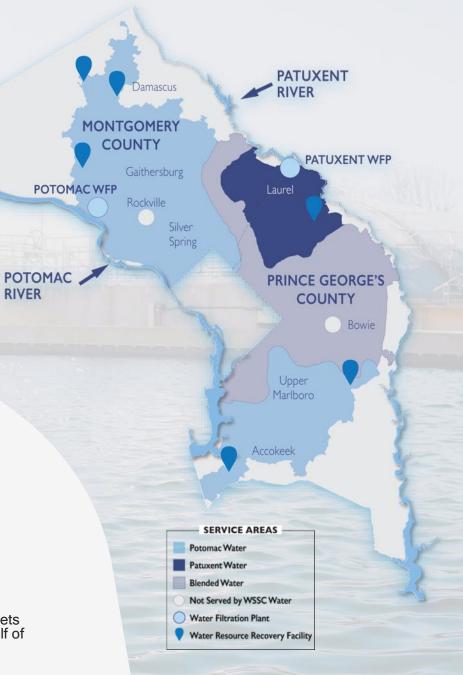
\$5.9B

6-Year Capital Improvements Program



\$9B

In infrastructure assets maintained on behalf of our customers





Current Meter Stats





503,840

Active Meters

Prince George's: 249,616 Montgomery: 254,224



343,065 Inside Meters

Prince George's: 164,450 Montgomery: 178,615



470,247

Meters Being Manually Read

Prince George's: 226,808 Montgomery: 243,439



33,593

Automatic Meter Reading (AMR) Meters

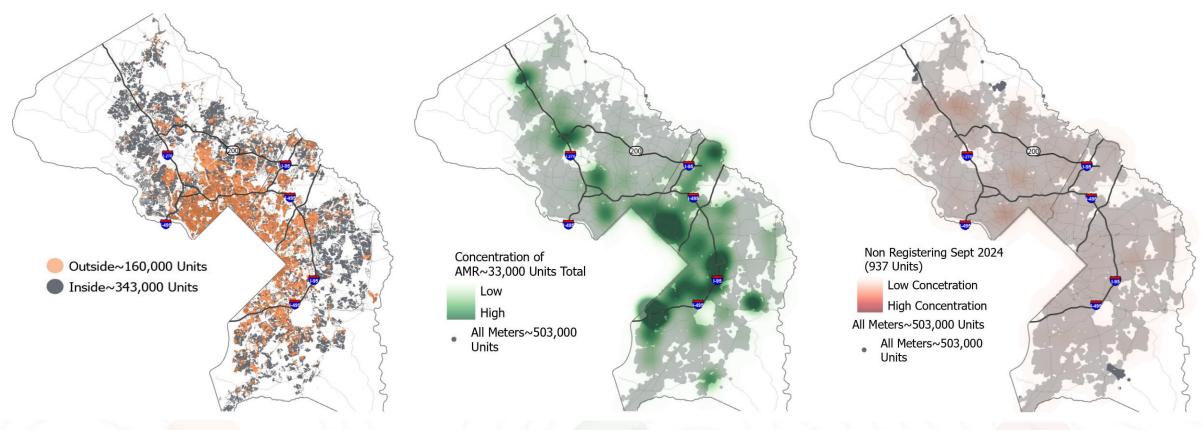
Prince George's: 22,808 Montgomery: 10,785

17 Years
Average Age of Meters

15-20 Years
Useful Life of Meters

Population of WSSC Water Meters





Total Population of Water Meters

Concentration of Meters Currently Being Read Using AMR (Commercial Businesses and New Development) Concentration of Non-registering Meters

Background & Challenges

- Approximately 96% of meters are read manually
 - Meter Readers walk 7-10 miles each day
 - Current process involves quarterly billing leaving customers unaware of on-property leaks resulting in high bills
 - High occurrence of estimated bills
- 56% of meter population is older than 15 years
 - Meter expected useful life 15-20 years
- Outdated and obsolete touch read system for reading over 470,000 meters
- Routes with mixed meter reading technologies creates data collection complexity
- Water Audit found nearly \$35M in revenue loss annually due to inaccurate meters

An Enhanced Meter Infrastructure will resolve these and other operational challenges causing pain points for customers and WSSC Water



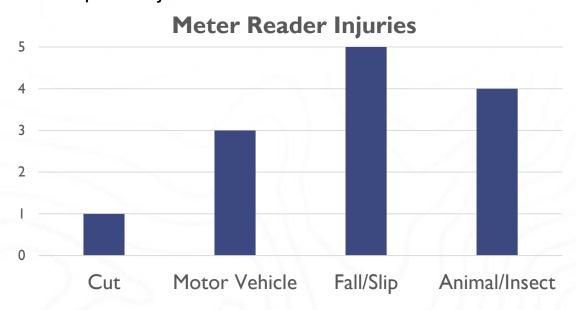


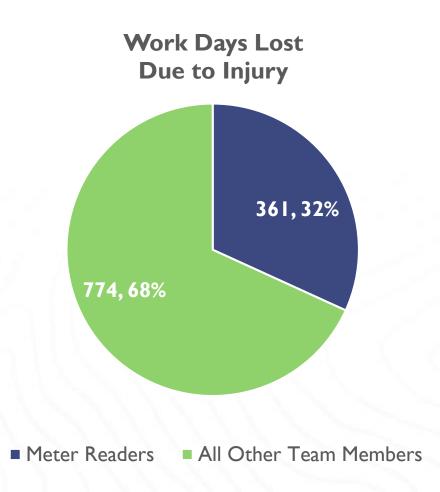


Workforce Challenges

WSSCWATER DELIVERING THE ESSENTIAL

- High Meter Reader Turnover
- Obsolete Touch Read System
 - Used to read over 470k meters
- Safety Issues Accessing Private Properties
 - Over 340,000 meters located inside
- Meter Readers account for 19% of WSSC Water workplace injuries





An Enhanced Meter Infrastructure will resolve these and other operational challenges causing pain points for customers and WSSC Water

Benefits of an Enhanced Meter Infrastructure





Customer

- Supports affordability efforts
 - Enables monthly billing smaller, more frequent bills to allow ability to maintain monthly payment plans
- Near real-time on-property leak detection
- Enhances ability to conserve water and save money
- More accurate meter reads and bills
- Near real-time water usage data
- Proactive and enhanced customer service with meter alarms
- On-demand reads to troubleshoot customer concerns
- Safer environment for valued customers



MM/DDYYYYY

եկիգցիկիկարգիկտեժի կորգիրութերութ CUSTOMER NAME STREET ADDRESS

CITY, MD 20000



14501 Sweitzer Lane Laurel, Maryland 20707-5902

301-206-4001 301-206-8345 **Emergency** 301-206-4002

Reference: High Reading Notification - Account #000000000 Service Address: 1234 Street, Anytown, MD 00000

Dear Property Owner,

Please read this letter carefully as it contains important information regarding your WSSC Water water/sewer bill. Our most recent water meter reading serving your account indicates significantly higher water usage compared to the previous reading. Please see the water usage chart below:

Meter Reading Date	Date Range	# of Days	Average Daily Consumption (gallons per day)
06/07/2024	05/07/2024 - 06/07/2024	31	6,839
05/07/2024	04/09/2024 - 05/07/2024	28	36

Water Usage Increase 19,048%

It is important to review your water consumption patterns and/or check your property for leaks, especially toilet leaks, as they are the leading cause of increased water usage. Please note that some leaks are difficult to detect, and a high bill may be the only indication of a leak.

For information on household leak detection, please visitour website at www.wsscwater.com/leaks. If you suspect a leak and are having difficulty locating it, we recommend you contact a WSSC Water-licensed plumber. Information on finding a plumber can be found here: www.wsscwater.com/findplumber

Please note that customers and/or property owners are responsible for maintaining all plumbing on private property, and paying for water that registers on the meter, including water lost due to leak(s).

We hope this information is helpful in identifying possible causes of your high water consumption, and a solution that can help saveyou money. If you have any questions, please contact WSSC Water's Customer Service Center weekdays 8:00 a.m. to 6:00 p.m. at 301-206-4001, 1-800-828-6439 or TTY 301-206-8345. You can also write to us at: WSSC Water Customer Service Department, 14501 Sweitzer Lane, Laurel, MD 20707 or email Customerservice@wsscwater.com

Thank you for being a valued WSSC Water customer

Sincerely

Benefits of an Enhanced Meter Infrastructure





Environmental

- Decreases overall water demand through efficient use and leak detection
- AMI decreases carbon footprint and fuel consumption with less trucks on the road
- The World Health Organization reports no adverse effects from exposure to radio frequency from Smart Meters. Risk from exposure has been determined to be significantly lower than long-term cell phone use.



Utility

- Creates safer work environment for valued employees
- Enhances system maintenance; provides opportunity to move meters out of homes and into public space
- Cost savings resulting from enhanced maintenance practices and reduced water loss through leak detection
- AMI system alarms improve operation of distribution system through near-real-time data
- Ability to leverage other water infrastructure replacement efforts water main replacement
- Reduction in high-bill and disputed bill complaints

9

Developing a Customer-Focused Strategy



- Prioritize and replace large meters (ongoing)
- Prioritize small residential meters for replacement
 - Address customers in disadvantaged areas with affordability concerns
 - Customer Assistance Program (CAP)
 - Delinquent accounts
 - Prioritize replacements by meter reading cycle
- Request For Information (RFI) Advertised
 - Gathered information on metering infrastructure considerations to assist with the development of meter infrastructure strategy
 - Meter Devices, Software, System Support and Maintenance
 - Environmental Impacts
 - Funding Sources and Financial Benefits
 - Social Impacts

A Path Forward



- Continue large meter replacement
- Develop and implement a strategy to enhance the residential meter infrastructure to increase accuracy and support monthly billing
 - Leverage insights from RFI
 - Coordinate meter replacements with water main replacement and new water connection efforts
- Continued support from the counties to implement an Enhanced Meter Infrastructure

Short-Term/Medium-Term Approach



Complete

Establish a Meter Infrastructure
Task Force

Fall 2024

Begin Large Meter Replacement

Winter 2024

Procure Meter Inventory to support infrastructure replacement program

Ongoing

Stakeholder Engagement

Develop plan for enhancement of the meter infrastructure to address affordability concerns





Questions?