



Carsondale Force Main Replacement Project – 30% Design Project ID # CP6605A18

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June 11, 2026

Agenda

- Introduction to Project Team
- WSSC Water Overview
- Program & Project Overview
- Project Map
- Permit Coordination
- What to Expect During Design
- Community Engagement
- Important Contacts/Customer Assistance
- Questions & Answers

Project Contacts

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Emergency Services Center

Open 24/7

301-206-4002

emergencycallcenter@wsscwater.com



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

WSSC WATER AT A GLANCE



★ **108 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



1,800+

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

FY2026 Operating & Capital Budget



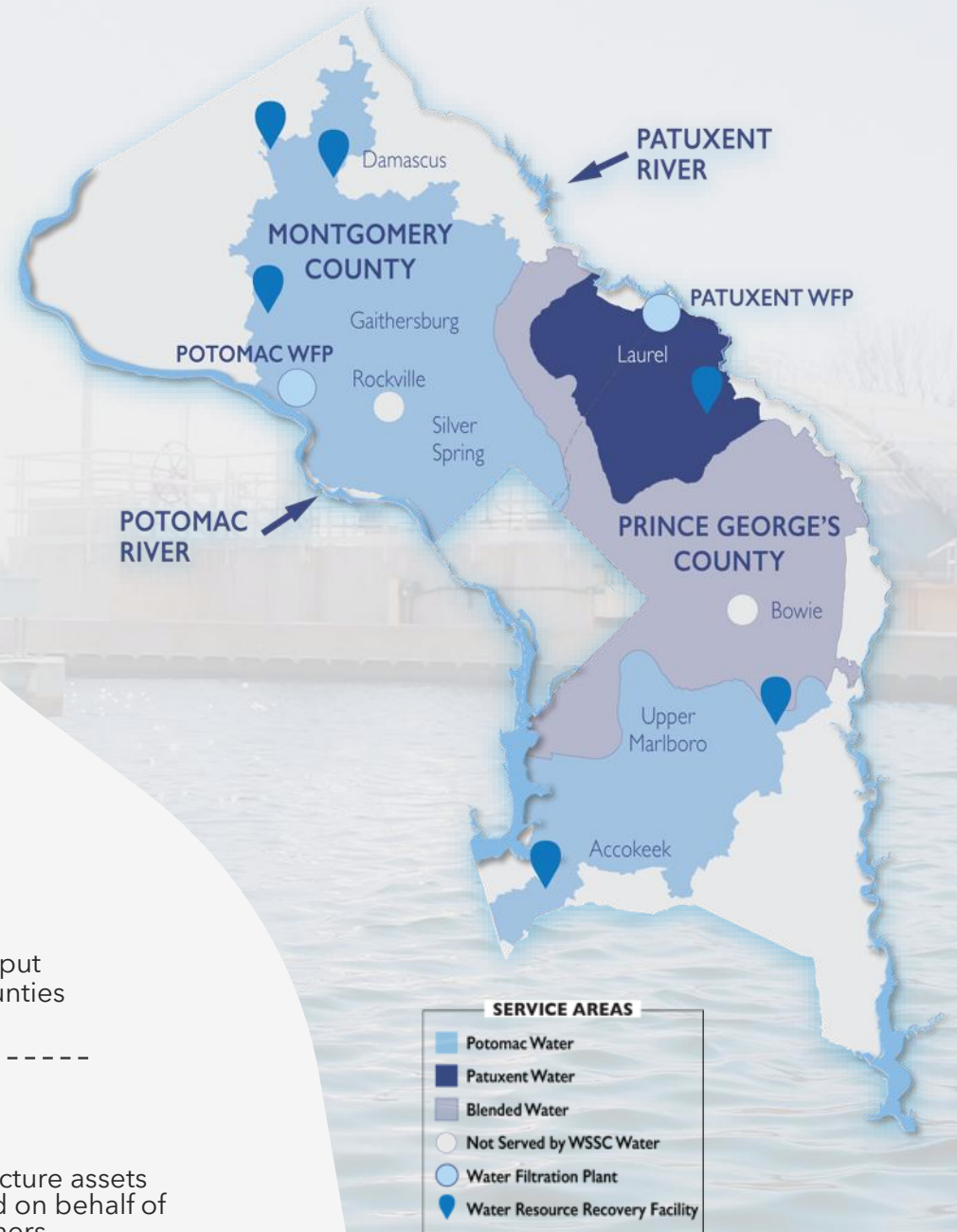
\$5.9B

6-Year Capital Improvements Program



\$9B

In infrastructure assets maintained on behalf of our customers



WWPS/Force Main Replacement Program Overview



- Waste Water Pump Station (WWPS)/Force Main (FM) Replacement Program was initiated by WSSC Water in response to reports of WWPS equipment failures, FM breaks and changes in anticipated sewer system flows.
- General inspections and evaluations are routinely performed on WWPS and FMs. Methods of evaluation for the WWPS may include capacity testing of pumps, evaluation and inspections of the equipment in the WWPS and review of maintenance and repair history.
- Methods of evaluation of the FM may include capacity testing, visual inspection (internal and external), walking of the FM alignment and review of work history.

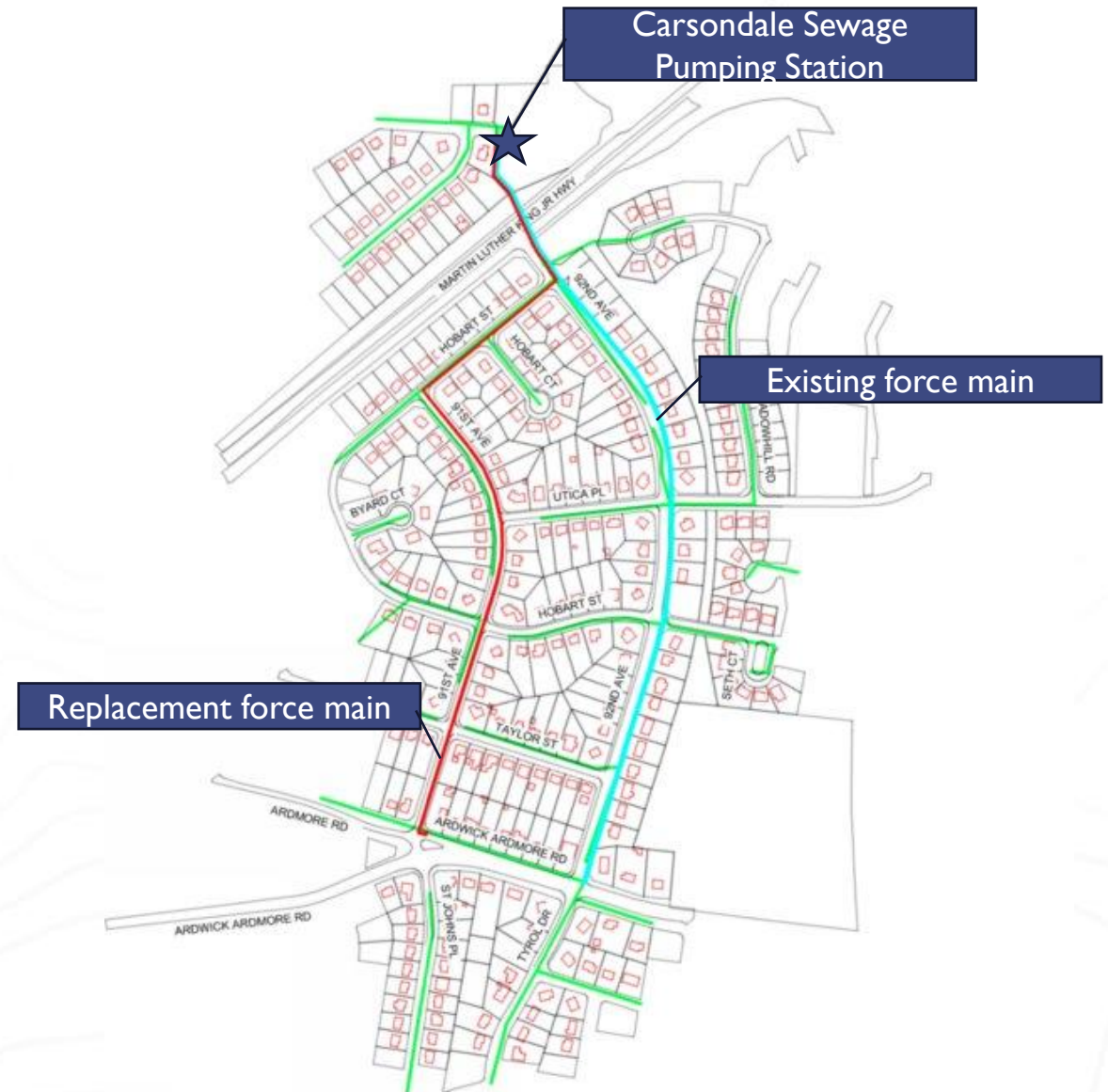
Project Overview

- The Carsondale Wastewater Pump Station (WWPS) and Force Main were constructed in 1959. The WWPS is located at 9110 Varnum Street in Lanham, MD.
- The Carsondale WWPS has a capacity of 0.60 MGD and the 8" force main is approximately 2,900 ft and connects to an 8" gravity sewer on Ardwick Ardmore Road.



Project Overview

- The replacement force main is approximately 2,850 linear feet(LF) in length.
- Method of installation: Jack and bore tunneling across Martin Luther King Jr. Highway and open cut trench for the remainder of the project.
- Replacement force main consists of:
 - 430 LF of 8” DIP under MLK Jr Hwy
 - 2,420 LF 8” HDPE/PVC along Hobart St and 91st Ave
- Force main design includes new bypass access vault to allow for continuous force main operation.
- Completed force main will have a life expectancy of at least 50 years.



Project details subject to change as design is finalized

Project Overview

- Planned pump station upgrades include:
 - Replacement pumps with increased capacity
 - Replacement piping and valves
 - Replacement standby generator
 - HVAC and electrical upgrades
- These upgrades are necessary to maintain long term pump station reliability and help prevent sanitary sewer overflows.
- Pump station access during construction will primarily consist through Whitfield Chapel Road, Volta Street, and Varnum Street.
- Carondale Force Main and pump station improvements are being designed and coordinated simultaneously by WSSC Water with consideration on community impacts during construction (e.g. maintenance of traffic, park openings, etc.)



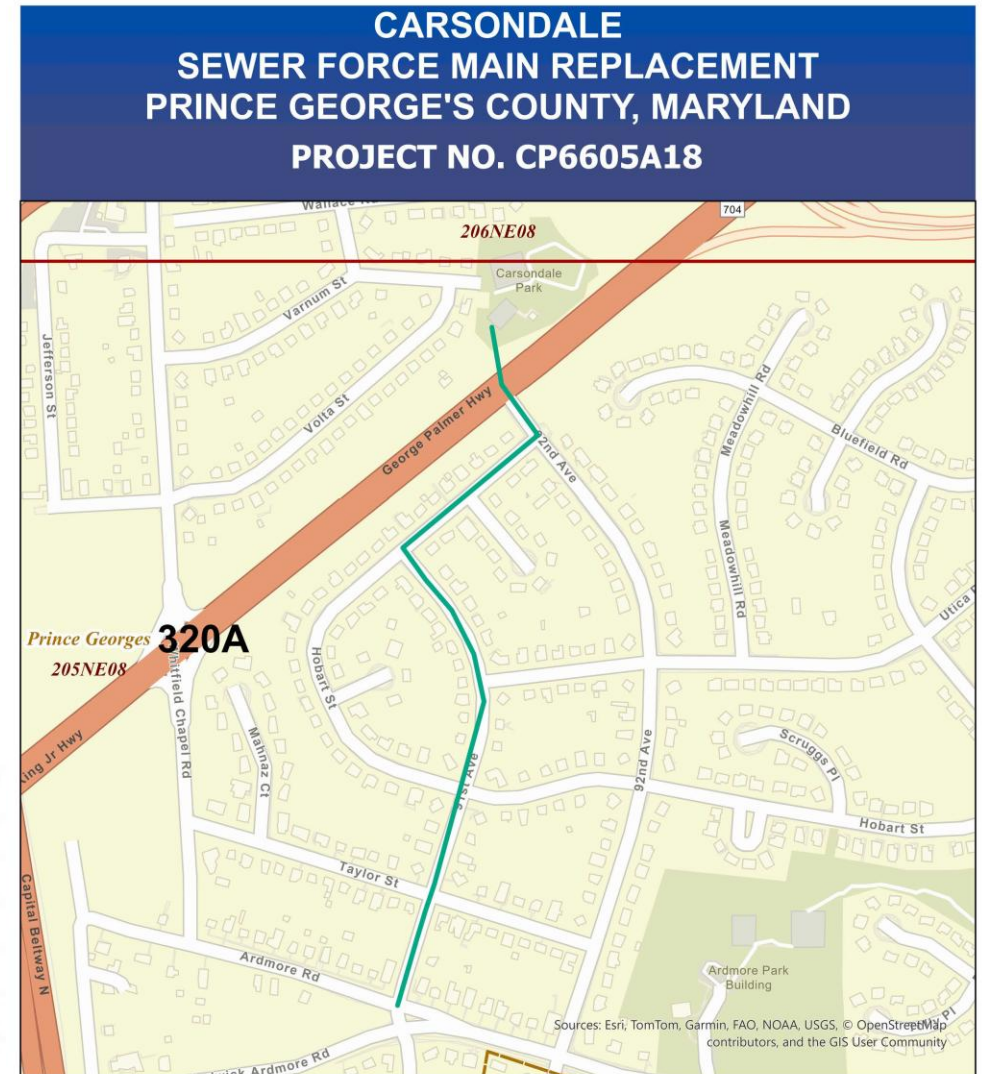
Project details are subject to change as design is finalized

Project Map

Directly Impacted Streets

- 92nd Avenue
- Hobart Street
- 91st Avenue
- Ardmore Road
- Ardwick Ardmore Road

Project map and impacted streets are subject to change as design is finalized



— FORCE MAIN REPLACEMENT AREA

Permit Agencies

WSSC Water will coordinate with the following state and local agencies for this project:

- Maryland National Capital Park and Planning (MNCPPC)
- Prince George's County
- Prince George's County Dept. of Permitting, Inspections and Enforcement (DPIE)
- City of Glenarden
- Maryland Dept. of the Environment
- Maryland Dept. of Transportation
- Local HOA's and Citizens Assoc.





What to Expect During Design

- Alignment Selection Process – WSSC Water considers various factors including but not limited to construction costs, construction duration, community and environmental impacts to select the most suitable pipe alignment
- Right-of-Entry Agreements will be obtained from the owners of impacted properties.
- Fact sheet letters providing residents with a general project overview will be mailed to all property owners in the vicinity of this project

30% Design Stage

Duration: Approximately 12-15 months

30% Design Activities

- Above ground markings
- Hydraulic analysis
- Alternative alignment analysis
- Identification of required permits
- Field surveys and reconnaissance
- Geotechnical sampling
- Horizontal alignment plan and profiles
- Preliminary engineering reports

In Your Neighborhood Map

- We built a multi-layered, **highly detailed map** that provides real-time information about all the WSSC Water construction and repair projects in your neighborhood.
- This tool allows you to type in any address and search to reveal markers showing where projects are taking place.
- To learn about upcoming projects in your area, please visit our **In Your Neighborhood** interactive map at gisportal.wsscwater.com/iyn/

We Value Your Input!

WSSC Water values community feedback and engagement. We welcome the opportunity to hear from you and discuss this project and what it means to you during both the design and construction phases. By understanding your concerns early in the process, we can consider them and, where possible, incorporate them into the project design.



Scan the QR code to access our **Design Outreach Engagement Survey** and share your feedback.

Survey questions are listed on the next slide

Design Outreach Engagement Survey Questions

If you are unable to use the QR code, send your responses via email to project-outreach@wsscwater.com. Please include the project name and ID number in the email subject line.



- **Neighborhood/Local Concerns**

- Are there locations where traffic congestion tends to occur during certain times of day?
- Are there school bus routes, school walking routes, or heavily used pedestrian crossings we should consider?

- **Traffic Access/Safety**

- Are there critical access needs for emergency vehicles, delivery trucks, or school transportation?
- Are there driveways, intersections, or cul-de-sacs where construction staging could create safety concerns?

- **Construction Impacts**

- Are there sensitive locations such as daycare centers, assisted living facilities, or churches we should be aware of?

- **Outreach/Communication Preferences**

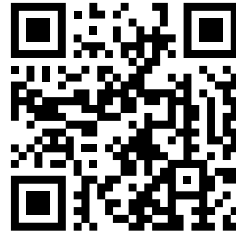
- What is the best way for residents to receive project updates (email, text alerts, mailed notices, HOA newsletters)?
- Are there community listservs, civic associations, or neighborhood groups we should coordinate with?

Helping Our Neighbors: Water Bill Assistance



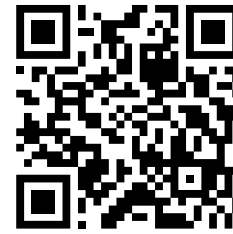
Promise.

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

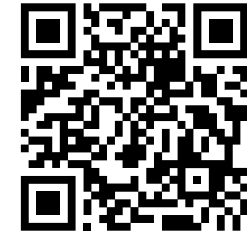


CUSTOMER ASSISTANCE PROGRAM (CAP)

CAP assists approved residential customers by **waiving fixed fees, providing free annual leak investigations 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?

