



# Seneca Creek Basin Environmental Sensitive Area Sewer Rehabilitation

Project No. CICRLR7429B22

January 24, 2024

# Agenda

- Introduction to Project Team
- WSSC Water Overview
- Sewer Rehabilitation Program Overview
- Project Overview
- Project Map
- Sewer Rehabilitation Methods
- Estimated Construction Schedule
- What to Expect During Construction
- Questions & Answers

# Project Team



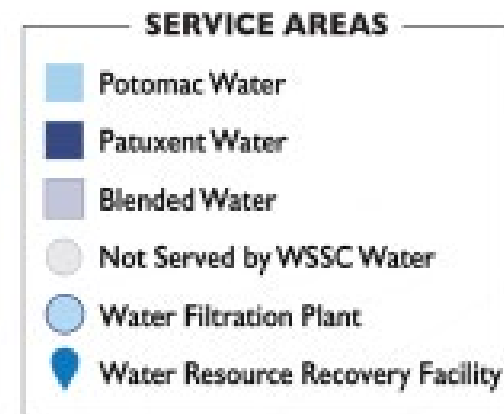
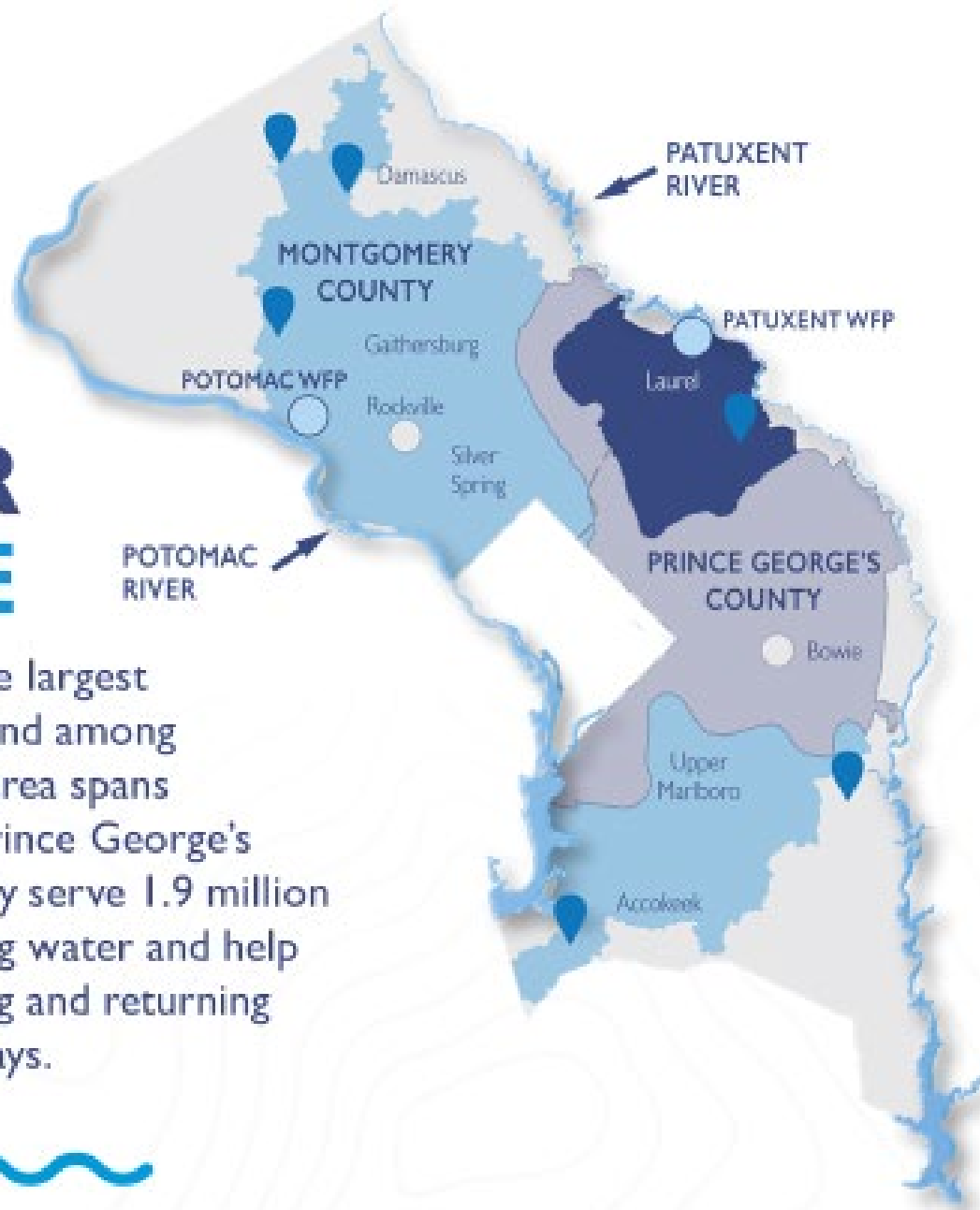
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- The Wilson T. Ballard Company, Engineering Design Consultants
- SAK, Construction Contractor

**105** years & counting  
No drinking water quality violations... ever!



# WSSC WATER AT A GLANCE

Established in 1918, WSSC Water is the largest water/wastewater utility in Maryland and among the largest in the nation. Our service area spans approximately 1,000 square miles in Prince George's and Montgomery counties. We proudly serve 1.9 million residents with safe and reliable drinking water and help protect the Chesapeake Bay by treating and returning clean water back to Maryland waterways.



# WSSC WATER AT A GLANCE



**162,000,000** GALLONS OF  
WATER PER DAY  
DELIVERED TO **1.9 MILLION RESIDENTS**

**3** RESERVOIRS

**2** WATER FILTRATION  
PLANTS

**60** WATER  
TANKS

**55** PUMPING  
STATIONS

**6** WATER RESOURCE  
RECOVERY FACILITIES

**1,630** EMPLOYEES

Our drinking water  
system spans  
**5,800+ miles**

Our wastewater  
system spans  
**5,600+ miles**

**500,000** WATER QUALITY  
TESTS PER YEAR

**504,800** METERS IN  
OUR SYSTEM

**2.25** MILLION METER READS  
PER YEAR

# TEAM H<sub>2</sub>O



**\$5.3 MILLION**

FINANCIAL ASSISTANCE TO 12,345 CUSTOMERS  
SINCE THE PANDEMIC BEGAN.  
(WSSC WATER, FEDERAL, AND STATE PROGRAMS)

**17,343**

RESIDENTS ENROLLED IN OUR CUSTOMER  
ASSISTANCE PROGRAM IN FY 2022.  
(\$1.8 MILLION BENEFIT TO ENROLLEES)

**\$1.6 BILLION**

FY2024  
PROPOSED BUDGET

# Sewer Rehabilitation Program Overview



- Strategically replacing and rehabilitating aging infrastructure to enhance service and reliability to customers
- Replacing and repairing aging pipes and manholes as part of our comprehensive sewer rehabilitation program
- Correcting structural deficiencies in sewer mains that may result from soil settlement, root penetration or corrosion
  - These often contribute to sanitary sewer overflows and backups into homes
- Protecting the environment for future generations

# Environmentally Sensitive Areas Overview

- Environmentally sensitive areas (ESAs) are landscape elements or places vital to long-term maintenance of soil, water or other natural resources both on site and in the region.
- Examples of ESAs
  - Critical Areas (within 1,000 feet of rivers or bays)
  - Sensitive Species Habitat
  - Historic Properties
  - Parklands
  - Forests
  - Wetlands and Waterways



Above grade manhole



Exposed sewer pipes

# Project Overview

- Approximately **3.44 miles of sewer pipes and 125 manholes** to be rehabilitated or replaced
- Sewer pipes and manholes rehabilitated using primarily trenchless methods
- Pipes and manholes in very poor condition will require excavation to replace or repair
- Installation of temporary access road from roadway to the project site
- Stream stabilization: restoration of stream to its natural state prior to erosion
- Completed projects will extend life of sewer pipes by at least 50 years



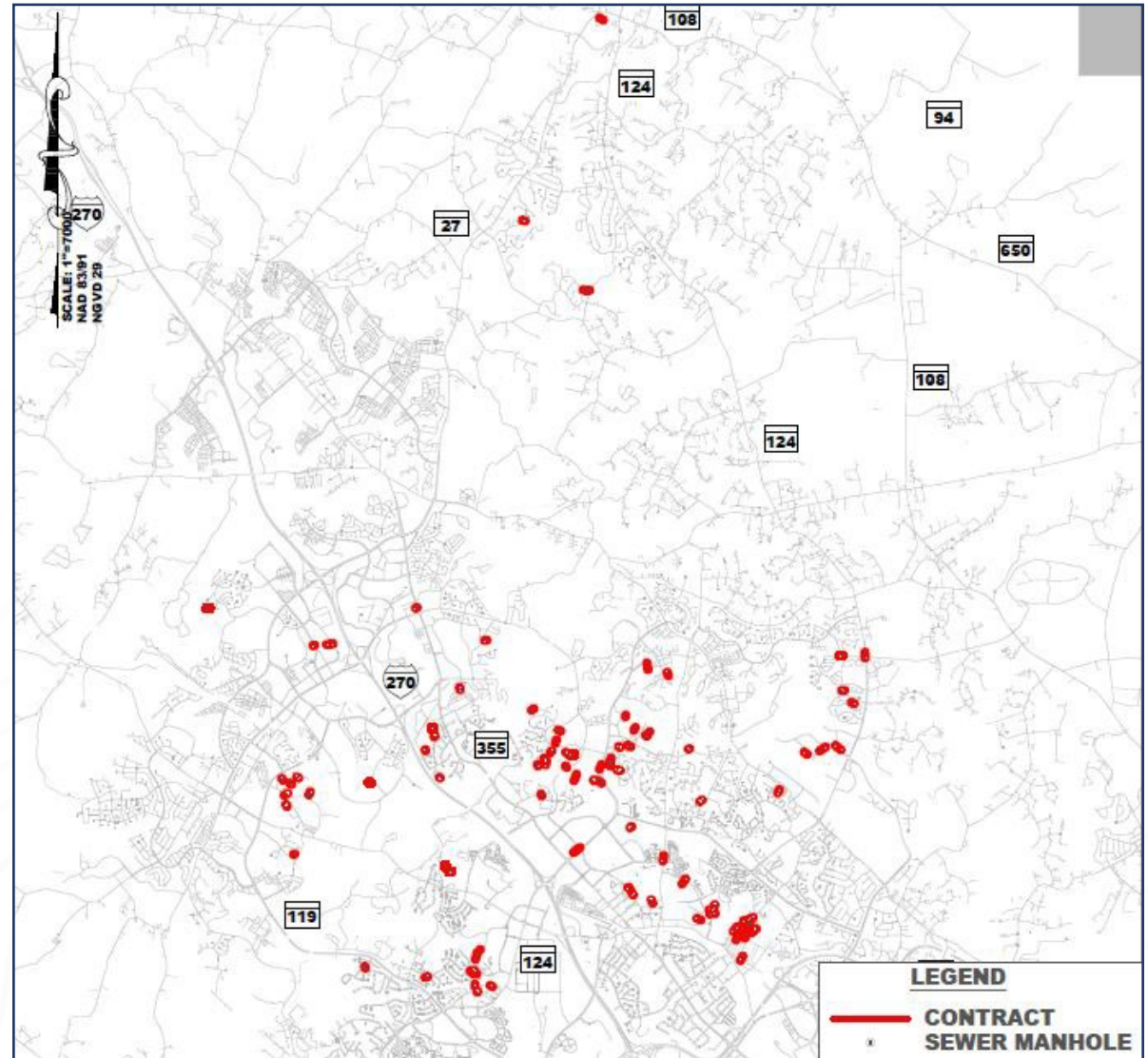
*Example of stream stabilization.*



# Project Map

**Directly Impacted Streets**

6TH AVENUE	DIAMOND DRIVE	LONGMEADOW DRIVE	RYE COURT
ABBOTSFORD CIRCLE	DUNBRIDGE WAY	LOST KNIFE CIRCLE	SLOOP COURT
AIRCRAFT DRIVE	E DARBY COURT	MINSTREL TUNE DRIVE	SMOKE HOUSE COURT
AIRPARK ROAD	DUFFER WAY	MONTGOMERY VILLAGE AVENUE	SOUTHERN NIGHT LANE
ALDENHAM COURT	EAGLES ROOST DRIVE	NINA COURT	STARBOARD COURT
ANN DYKE PLACE	ECLIPSE PLACE	OAK SHADE ROAD	STATE COURT
ARGUS COURT	FLAG HARBOR DRIVE	PARK AVENUE	STEDWICK DRIVE
BRASSIE COURT	FOUNDERS COURT	PINE AVENUE	STEVEN COURT
CANADIAN COURT	FREDERICK ROAD	PINE RIDGE LANE	TIBER COURT
CANAL ROAD	GIRARD STREET	PREAKNESS DRIVE	THYME COURT
CAPEHART DRIVE	GROVE AVENUE	QUEENAIR DRIVE	TRANSHIRE ROAD
CARRIAGE WALK CIRCLE	HOPE LANE	QUINCE ORCHARD BOULEVARD	WALKERS CHOICE ROAD
CENTERWAY ROAD	HORN POINT DRIVE	RACINE COURT	WALNUT VIEW COURT
CHESTNUT AVENUE	KARDWRIGHT COURT	RED BUCKEYE COURT	WASHINGTON GROVE LANE
CHICKADEE LANE	KEYMAR WAY	RED ROBIN TERRACE	WATKINS MILL DRIVE
CINNABAR DRIVE	KILCREGGAN TERRACE	ROMAN WAY	WATKINS MILL ROAD
CULLINAN DRIVE	KINDLY COURT	ROYAL BONNET CIRCLE	WEATHERVANE PLACE
DAMASCUS BOULEVARD	LAKE LANDING ROAD	RUNNING CEDAR COURT	WOODFIELD ROAD
DEEP RUN COURT	LANDSEND DRIVE	RUSSELL AVENUE	
	LOCBURY DRIVE		



# Sewer Rehabilitation Methods

- Sewer Rehabilitation

- Lining
- Pipe Bursting
- Grouting
- Open-cut Replacement

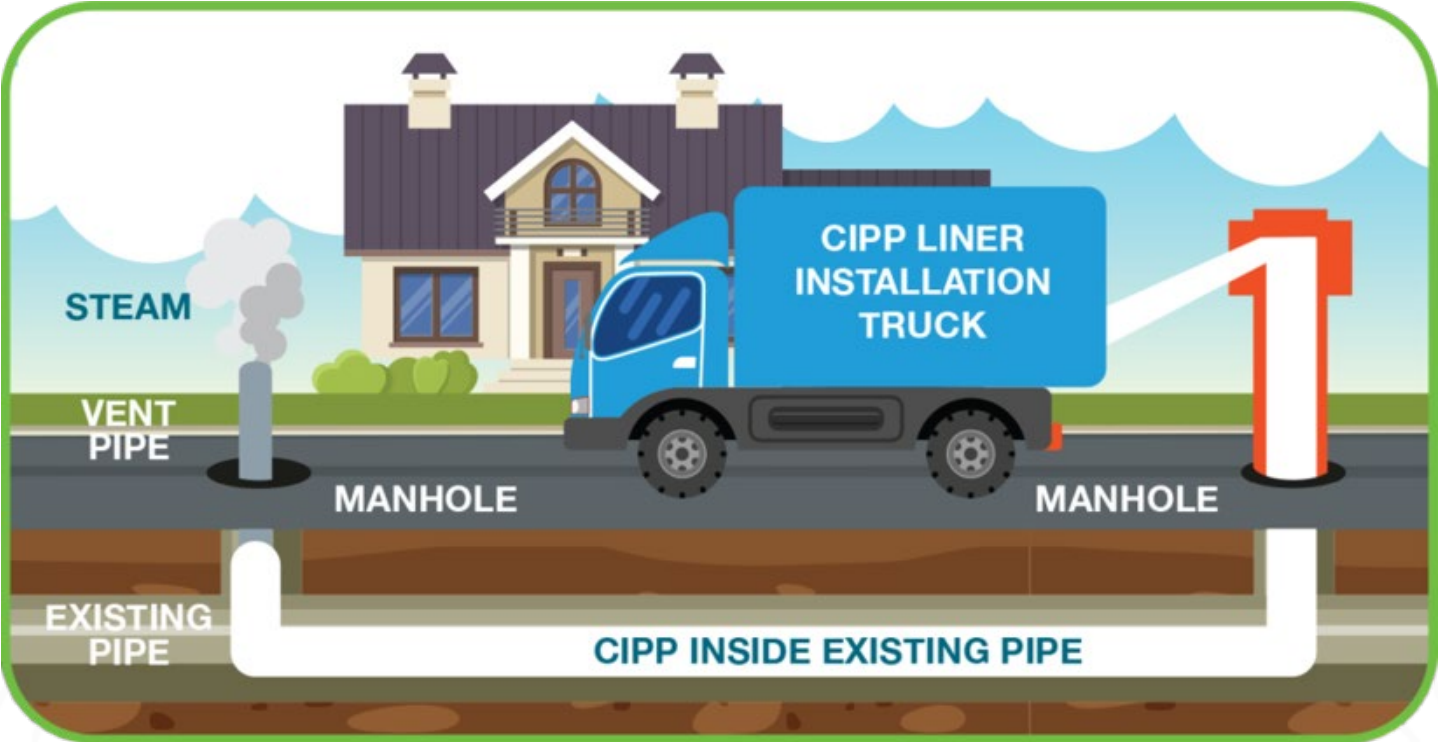


- Manhole Rehabilitation

- Frame and Cover
- Replacement/Adjustment
- Lining



# Sewer Rehabilitation Method: Pipe Lining



# Sewer and Manhole Improvements: Bypass System



# Sewer Rehabilitation Method: Bypass



# Manhole Rehabilitation

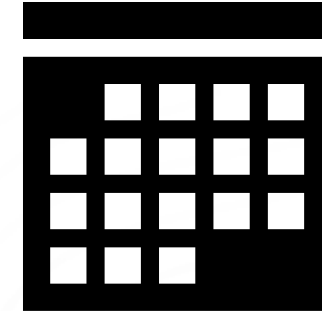


# Open Trench



# Estimated Construction Schedule

- Expected Construction Start Date: March 2024  
*(Pending Permit Acquisition)*
- Estimated Construction Duration: 1.5 years
- Expected Construction Finish Date: August 2025  
*(Weather Permitting)*





# What to Expect During Construction

- Anticipated Work schedule: 9:00 a.m. to 3:30 p.m., Monday-Friday
  - Conditions at some locations may require different work hours
  - Residents will be notified at least two days prior to all construction activities
- Construction activities may include:
  - Marking locations of utilities
  - Field inspections
  - Construction of temporary access road
  - Stream stabilization
  - Rehabilitation of sewer mains, manholes and laterals
  - Pavement restoration where digging is necessary



*Stream Stabilization*

# What to Expect During Construction

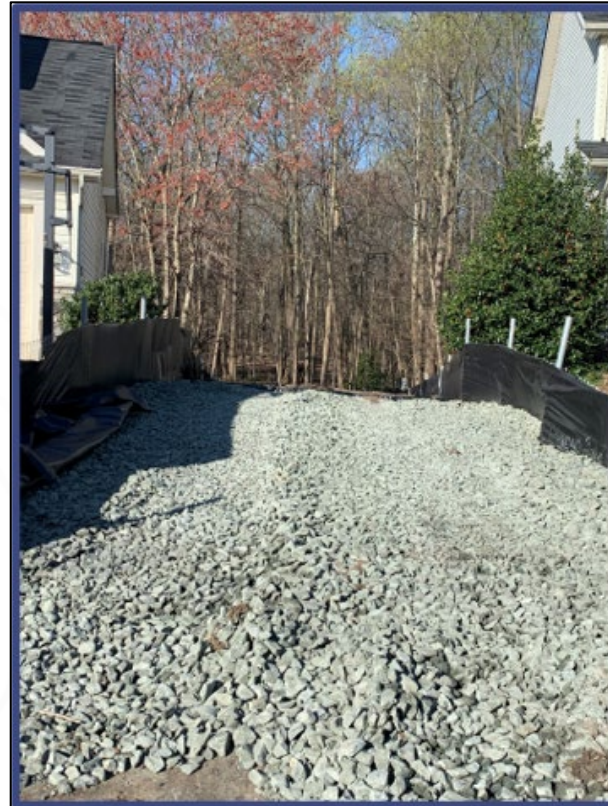
- Temporary construction access within parks and private properties constructed and maintained by WSSC Water until all rehabilitation work completed
- Right-of-Entry Agreements from owners of impacted properties obtained prior to construction
- Construction vehicles and bypass pumps on temporary access road occasionally

# Temporary Construction Access Routes

- Avoid specific trees or other sensitive areas, where possible
- Use existing roads, paths and trails to maximum extent practicable



*Temporary Stream Crossing*



*Stabilized Construction Entrance*



*Timber Matting*

# What to Expect During Construction

- Reliable sewer service maintained during construction
- Street parking may be limited on streets with active construction
  - 48-hour advanced notification provided
  - NO PARKING signs posted
  - All roads will remain accessible at all times during construction
    - Certain activities may require temporary closures and delays.
- Access from the public roadway to businesses and homes maintained at all times
- Entry into homes is **NOT** required
- Tree removal, only when necessary, pruning and/or stump removal
  - New trees planted where trees needed to be removed
  - Property owners notified if a tree on their property has to be removed

# Traffic Impacts

- Certain construction activities may require temporary changes to traffic patterns
  - Traffic managed to minimize community disruptions
- Access to homes maintained during construction
  - Access into homes is **NOT** required
  - Access onto private property is generally **NOT** required
- Parking restrictions
  - WSSC Water will provide 48-hour advance notice (denoted by “No Parking” signs) prior to any parking restrictions
  - Any vehicles not removed from designated area will be towed to nearby street at no cost to owner
- Final restoration of sidewalks, roadways and landscaping will take place within 90 days of construction completion



# Contact WSSC Water



- **Customer Service** | Monday-Friday, 8:00 a.m. to 6:00 p.m.

Phone: 301.206.4001 | 1.800.634.8400

Email: [customerservice@wsscwater.com](mailto:customerservice@wsscwater.com)

- **24-Hour Emergency Call Center**

**Water Emergency, Sewer Emergency or Discolored Water**

Phone: 301.206.4002 | Email: [emergencycallcenter@wsscwater.com](mailto:emergencycallcenter@wsscwater.com)

Report a Problem: [wsscwater.com/customer-service/report-problem](http://wsscwater.com/customer-service/report-problem)

Discolored Water: [wsscwater.com/discoloredwater](http://wsscwater.com/discoloredwater)

- **File a Claim**

Phone: 301.206.7095

Online: [wsscwater.com/claims](http://wsscwater.com/claims)

- **WSSC Water Financial Assistance Programs**

Online: <https://www.wsscwater.com/assistance>

- **Customer Notification System Sign-Up**

Online: [www.wsscwater.com/cns](http://www.wsscwater.com/cns), email and/or text alerts on work in your neighborhood



**FINANCIAL ASSISTANCE**  
for Our Neighbors



# 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.



New applicants may qualify for up to \$10,000 to help pay past-due water/sewer bill. Applications accepted through March 31, 2024 or until program funds run out.



**FINANCIAL  
ASSISTANCE**  
for Our Neighbors

**Customer  
Assistance Program  
(CAP)**

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



**WATER FUND**  
Sharing the Essential

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

<https://www.wsscwater.com/assistance>



**Questions?**



