

SUSTAINABLE WATER INITIATIVE FOR TOMORROW (SWIFT) PROGRAM

BORROWER: Hampton Roads Sanitation District

LOCATION: Virginia Beach, VA

WIFIA LOAN AMOUNT: \$477 million

TOTAL WIFIA PROJECT COSTS: \$972 million

POPULATION SERVED BY SYSTEM: 1.7 million people

NUMBER OF JOBS CREATED: 4,480 jobs



Photo credit: Hampton Roads Sanitation District

PROJECT DESCRIPTION

The SWIFT Program is the first major water reuse initiative on the east coast. It includes more than twenty projects across the service area to upgrade existing treatment works and build wells to inject highly treated water into the stressed Potomac Aquifer. By replenishing the Potomac aquifer, the program will restore water supply, prevent saltwater intrusion, and mitigate land subsidence related to aquifer withdrawals in coastal Virginia. The program will also improve the quality of the Chesapeake Bay by reducing surface water discharge of treated effluent by approximately 100 million gallons per day (MGD) – 90 percent of Hampton Road Sanitation District's discharge to the Bay watershed. Two of three loans have closed under a master agreement that will commit \$1.3 billion in WIFIA assistance to the Hampton Roads Sanitation District to implement the SWIFT program.

PROJECT BENEFITS

- Replenishes the overdrawn Potomac aquifer, the primary source of groundwater throughout eastern Virginia, and restores its water supply.
- Promotes climate resilience by protecting groundwater from saltwater intrusion and reduces land subsidence.
- Reduces the amount of nutrients and sediments discharged into local waters.
- Eliminates adverse odor impacts of outdated treatment plant in an adjacent community with environmental justice concerns.
- Saves the Hampton Road Sanitation District an estimated \$211.5 million from financing with a WIFIA loan compared to typical market financing.