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Early Engagement Vendor Session

Secure the Source:
Regional Water Supply Resiliency Project

Engineering & Construction:

Planning Division

Thomas Hilton, Division Manager

July 7, 2026

Agenda

1. Team Introductions
2. Project Objectives
3. Project Overview
4. Keys to Success
5. Project Compliance
6. Supplier Portal and OpenGov Platforms
7. Questions

Team Introductions

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Department of Operational Reliability and Resiliency (DORR)

Dr. Priscilla To
Director

Katherine Foreman
Division Manager

Engineering & Construction Department

Planning Division

Caville Stanbury-Woolery
Deputy Chief Engineer

Thomas Hilton
Division Manager

Jimit Modi
Program Manager

Project Background

Potomac River Water Supply is Vulnerable

The entire region relies heavily upon the Potomac River for drinking water.

Water Quality Issues: Upstream contamination and spills

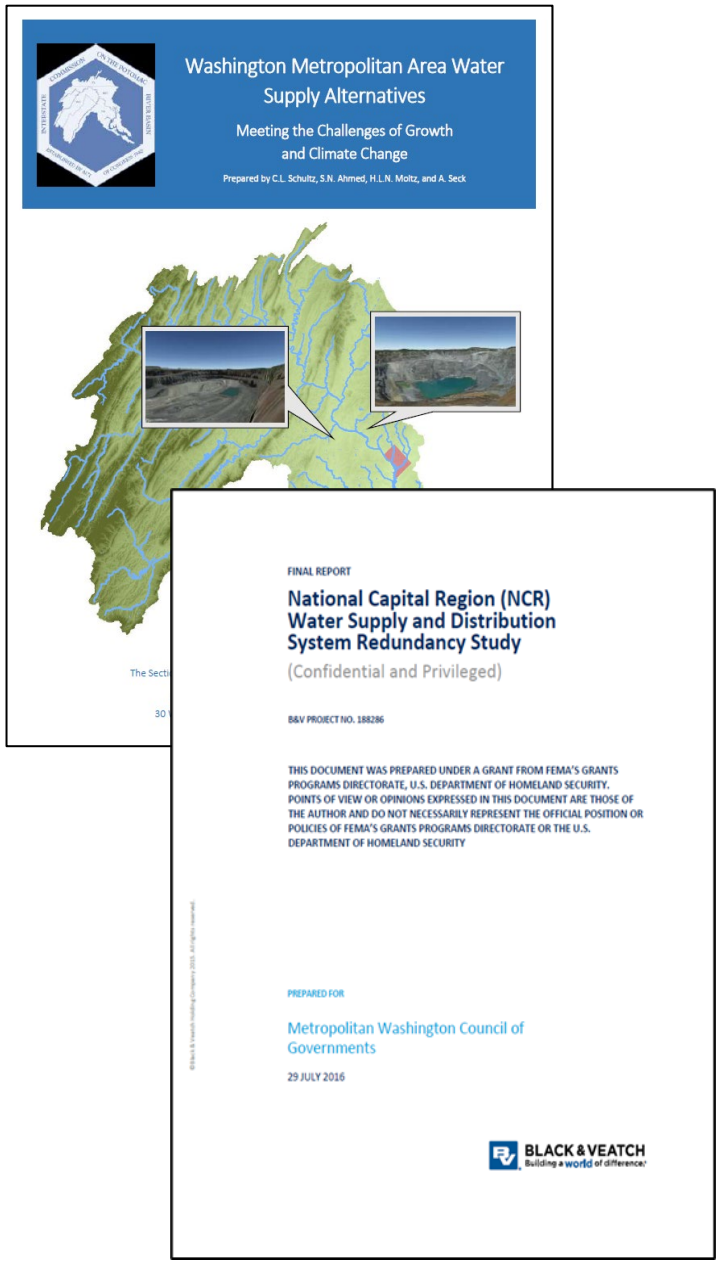
- Colonial Pipeline River Crossing
- Potomac Interceptor
- CSX Railroad Derailment
- Algal Blooms

Water Quantity Issues: Increased demand coupled with risk of more extreme droughts due to climate change – projected future deficits

Regional Water Supply System does not have 100% redundancy: within days of not having water from the Potomac River, the water suppliers could see significant impacts with difficulties in delivering the necessary amount of finished water to our customers

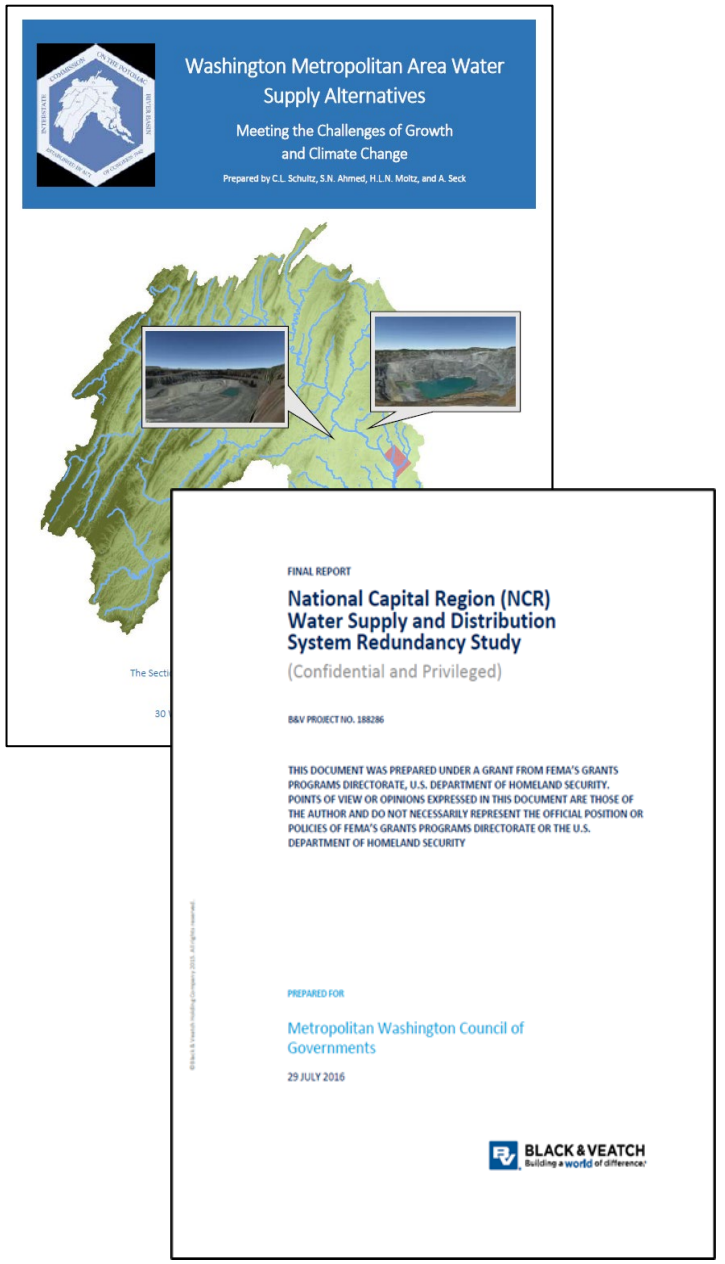
Regional Secondary Storage Solution

- Cooperative water supply management in the Washington Metropolitan Area
  - Started in 1960s and led to construction of existing upstream regional water reservoirs
  - A Water Supply Coordination Agreement was signed in 1982 setting up cooperative water supply operations and regional water supply planning
- Since 2015, climate models indicated additional storage is needed for droughts with supply deficits projected by 2040 or sooner.
- Subsequent studies evaluated large-scale storage options directly connected to WTPs to meet regional needs and identified Travilah Quarry in Montgomery County as the most beneficial solution to the region as a whole



Regional Secondary Storage Solution (cont.)

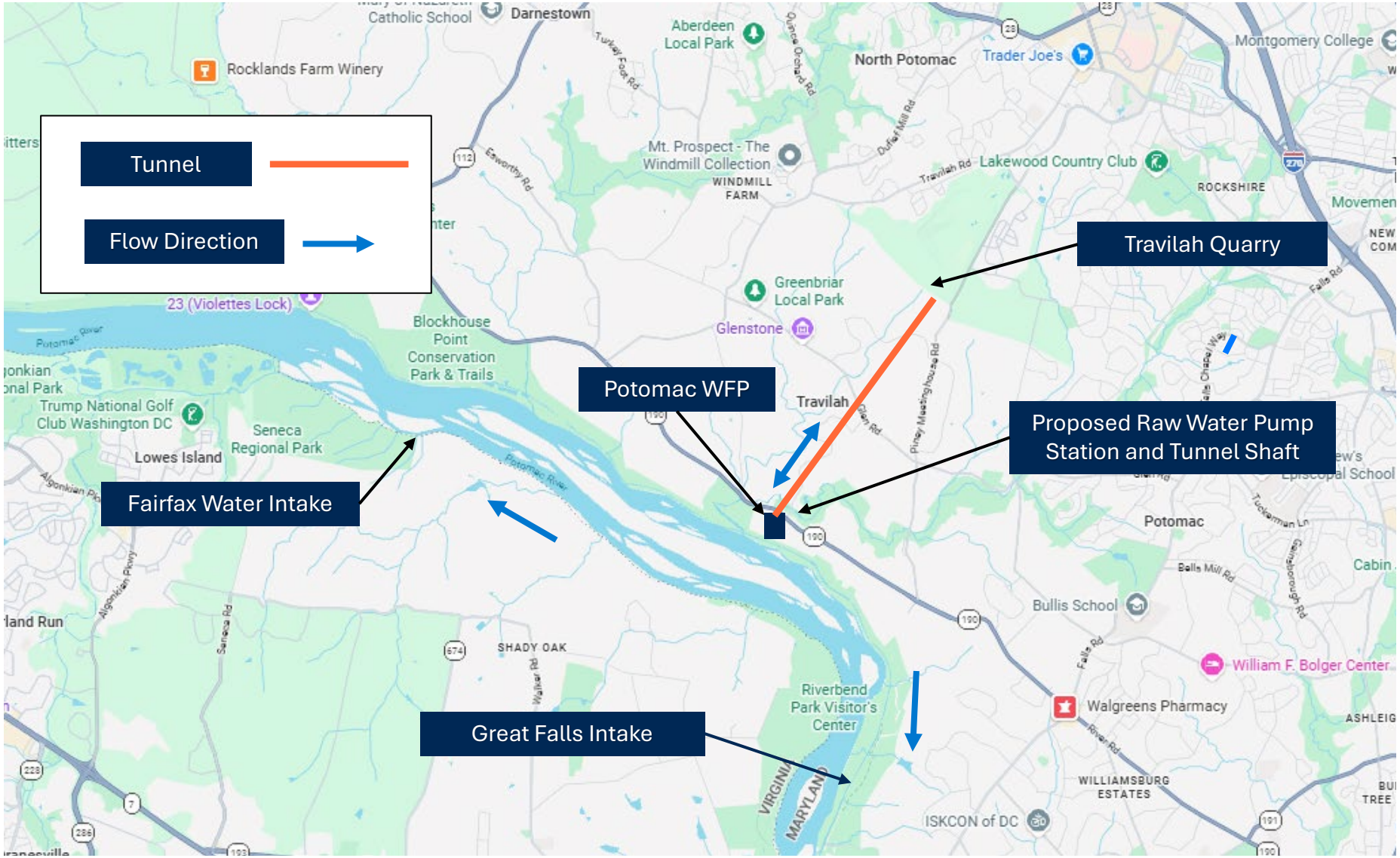
- Federal funding was identified through Water Resources Development Act (WRDA)
  - WRDA is an Army Corps civil works program
  - All projects to be included must first be submitted to Congress for authorization in the WRDA program
  - To be considered they first need to go through a feasibility study for submission to the secretary of the Army
  - The Army Corps normally performs these studies
- U.S. Army Corps of Engineers (USACE) secondary storage feasibility study began in 2024
- Several large-scale solutions were pre-screened but no longer in scope due to new USACE guidelines issued January 2026



Travilah Quarry

- 3 miles north of Potomac Water Filtration plant
- Active 200 acre mine surrounded by residential communities
- Owned/operated by Amrize
- Supplies crushed aggregate to construction industry within Metropolitan area
- Asphalt and concrete plants on-site
- Been in operation since 1950s

Conceptual Schematic



Path Forward

WRDA Section 203

- Allows non-federal interests to undertake the feasibility study without using federal funding
- 35% design is a new requirement – must meet stringent Corps requirements as if they performed the study
- If study approved by the Assistant Secretary of the Army (ASA) – could potentially authorize WRDA funding up to 65%
- Funding is not certain so this study must demonstrate the regional importance of the recommended solution, and its benefits to the residents, businesses and governmental agencies within the entire metropolitan area

WSSC will be leading this effort on behalf of the other major water suppliers

- Notice of Intent was submitted by WSSC Water to the Assistant Secretary of Army and approval was granted in May to begin a Section 203 study

Procurement Process

Step 1: Non-Disclosure Agreement (NDA) and Background Documents for Pre-Qualification

Interested vendors will need to sign NDA and Pre-Qualification Package

Note: There will be a limited time to submit NDA and pre-qualify

Step 2: Release of RFP and Sensitive Documents

WSSC Water to release RFP to **Pre-Qualified Vendors** to submit proposal

NTP - Winter 2027

Project Objectives

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Overall Objective

- Complete work effort that USACE Baltimore District began in 2024 and paused in 2025
- All work to be in strict compliance with WRDA Section 203 and all applicable USACE guidance, as if the USACE would be performing the work
- Complete Feasibility Study by evaluating the pre-screened alternatives:
  - No Action
  - Blue Plains Advanced WWTP/Potable Water Re-use
  - Convert Luckstone Quarries B&C into reservoirs
  - Convert Travilah Quarry into a reservoir
  - Expand the Dalecarlia reservoir
- 35% design on recommended alternative
- Phased approach whereby some of the work is submitted to Assistant Secretary of the Army in advance of the WRDA 2028 deadline and the remainder for WRDA 2030

Project Overview

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Note

All communications with other agencies and companies shall be through WSSC Water. This includes all water utilities, ICPRB, MWCOG, and quarry owners. Site visits are prohibited. WSSC Water will be scheduling and coordinating a site visit as part of the RFP process.

Study Phase – Developing Recommendation

- Conduct Alterative Analyses of all pre-screened alternatives
  - Summarize and validate past USACE work and other studies
  - Evaluate water supply connections to WSSC Water, Fairfax Water, and the Washington Aqueduct
  - Comparative evaluation with Justification of the recommended regional solution
    - Justification shall include three E's (Engineering feasibility and constructability; Economic justification; and Environmental acceptability)
    - What is the total net benefit of the project?

Preliminary Engineering – Recommended Alternative

- Evaluate each element of the recommended solution
  - Conveyance System - Alternative Alignment Evaluation
  - Pumping System – Evaluation of Alternatives (location, sizing, modelling, operations)
  - Storage System – Evaluation of Alternatives for conversion into a raw water supply facility
  - Environmental investigations
  - Geotechnical investigations
  - Topographical surveys
- Develop recommendations for each element to support a total raw water supply delivery system
- Develop a community outreach and public acceptance plan and assist in this effort

35% Design Phase

- USACE Baltimore District will be responsible for NEPA Process
  - Consultant to support with field investigations and community meetings
  - USACE to coordinate with all Federal agencies and develop all NEPA documents
  - Consultant to closely coordinate all work with USACE
- Perform 35% design for all recommended elements of the system
- Additional environmental and geotechnical investigations and surveys
- Community outreach and documented public acceptance
- Develop a Real Estate Plan by identifying all easements and land required and associated appraised values
- WSSC Water to be entering into separate contract with firm in the aggregate industry that will be performing a fair market valuation of the quarry

35% Design Phase (cont.)

- Identify all required permits and meet with all applicable permitting agencies to review project, understand permitting requirements, processes, and obtain feedback
- Prepare 35% design plans, profiles, sections, and details
- Prepare Specification information per WRDA Section 203 guidance
- Complete package will require review by independent 3rd party for QA/QC and compliance - WSSC Water to utilize separate contract to perform this review
- Consolidate all work into a complete package suitable for review by Assistant Secretary of the Army
- Any submission shall be complete by October the year prior to WRDA Bill

Additional Information

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Keys to Success

- Strong experience with Planning, Design and Construction of Water Supply Systems
- Strong program team and individual experience in all facets of the project (pumping, tunnels, quarry conversions, field investigations, community outreach)
- Strong program leader that can seamlessly coordinate all work effort in parallel with all disciplines on project team
- Familiarity with WRDA Section 203 and related USACE guidance documents
- A team that has full-time availability dedicated to meet stringent deadlines
- Ability to quickly become familiar with the amount of past work and history
- Ability to successfully and thoroughly complete the required work within the time constraints
- Thorough QA/QC process for all deliverables
- Innovation mindset

Project Compliance

- Background Checks
- WSSC Water Network Access
- Monthly Invoicing
- OSDI Participation Goal
- Certification requirements listed in the solicitation

Supplier Portal and OpenGov Platforms

or Visit:

https://www.wsscwater.com/supplier

or Visit:

https://procurement.opengov.com/portal/wsscwater

Questions?

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Early Engagement Vendor Session Inquiry Form

https://forms.office.com/g/c3xHCEqjgG

Early Engagement Vendor Session Post-Event Survey

https://forms.office.com/g/57Ws7Ur0Xf