

PWCSA CAPITAL IMPROVEMENT PROJECT DATA SHEET

PROJECT INFORMATION

Project Name: Occoquan River Crossing
CIP Number: REG-1
JDE Number(s): 22WFWM8104, 24WFWM8104
Location: Eastern PWC, Occoquan River
Pressure Zone: Eastern Water System
Sewershed: Multiple
Magisterial District: Multiple
Project Estimate: Order of Magnitude
Estimate By: Engineering and Planning Division

PROJECT DESCRIPTION

Project Description: Design and construction of dual 700-foot long 42-inch steel water mains within a 400-foot long tunnel, 2,400 feet of 36-inch water main for redundancy to an existing transmission main and a new finished water pump at Fairfax Water’s Griffith Water Treatment Plant for a subaqueous crossing of the Occoquan River. This project will connect transmission facilities on either side of the river that supply the Service Authority’s Eastern Water System.

Project Benefit: These facilities will replace two aging and pressure restricted transmission mains crossing the Occoquan River that are the sole supply source for the Service Authority’s Eastern Water System and Virginia-American Water Company’s Dale City service area. The new mains and pump will increase transmission capacity and enhance system reliability and availability to the Service Authority’s existing and future customers by eliminating a single point of failure due to an existing single pipe at the Griffith Plant that supplies eastern Prince William County.

Source Derivation: Engineering and Planning Division

PROJECT PICTURE



PROJECT FUNDING

PRE-FY21	FY21	FY22	FY23	FY24	FY25	POST-FY25	TOTAL
0	500	812	5000	5000	2325	0	13637

Proposed Funding Sources	
Exp. Fund (02) – Availability Fees	-
Commit. Fund (03) – Availability Fees	30%
Repl. Fund (04) – User Rates	70%
Other Contrib. – Development Contributions	-
PROJECT TOTAL	100%