

PWCSA CAPITAL IMPROVEMENT PROJECT DATA SHEET

PROJECT INFORMATION

Project Name: Tank Re-Chlorination Program
CIP Number: WST-111
JDE Number(s): Not Assigned
Location: County Wide
Pressure Zone: Multiple
Sewershed: Multiple
Magisterial District: Multiple
Project Estimate: Order of Magnitude
Estimate By: Operations and Management Division

PROJECT DESCRIPTION

Project Description: Residual Control System (RCS) is a management system that provides an intelligent, automated disinfectant boosting system that provides the ability to set, control, and maintain cost-effective chlorine residual levels in our water storage tanks. In addition, the project will install the management system, controls, and ancillary equipment. Other Components that are upgraded as needed are electrical equipment, tank mixing system, and thermal probes to monitor mixing. The storage tanks scheduled for an RCS during this 5-year CIP period include Dominion Valley (T-30), Manassas South (T-24) and Haymarket (T-20). The timing and execution are subject to change based on operational needs and priorities.

Project Benefit: This project provides an important safeguard against the risk of subsequent contamination after treatment, a unique and significant benefit for public health.

Source Derivation: Operations and Maintenance Division; Managed by Operations and Maintenance Division

PROJECT PICTURE



PROJECT FUNDING

PRE-FY22	FY22	FY23	FY24	FY25	FY26	POST-FY26	TOTAL
630	450	550	450	550	450	0	3080

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