

PWCSA CAPITAL IMPROVEMENT PROJECT DATA SHEET

PROJECT INFORMATION

Project Name: Unity Reed Booster Pumping Station, F14 and Discharge Main
CIP Number: WSUP-116
JDE Number(s): 22WGWM0901, 24WGWM0901
Location: 8814 Rixlew Ln., Manassas
Pressure Zone: GW - Gainesville
Sewershed: FB – Flat Branch
Magisterial District: BR - Brentsville
Project Estimate: PER
Estimate By: Engineering and Planning Division

PROJECT DESCRIPTION

Project Description: This project includes the design and construction of new and upgraded pumps and associated appurtenances, site work, electrical upgrades, new generator, new SCADA systems, and a control building to expand the capacity of the Unity Reed (F14) booster pumping station from 18 MGD to 24 MGD. The project also includes the design and construction of approximately 2,100 feet of 36-inch transmission main from the booster pumping station to Wellington Road and associated easement acquisition.

Project Benefit: The increased pumping capacity at the booster pumping station shall improve pumping efficiencies and provide better service and reliability to existing and future customers in the Gainesville pressure zone. The project shall also provide an additional supply from the discharge at the booster pumping station to improve reliability in the Gainesville pressure zone should there be a disruption in the existing 42-inch discharge main at the railroad crossing.

Source Derivation: Engineering and Planning Division; Gainesville Discharge Main PER - Michael Baker, July 2019; Managed by the Project Management Office.

PROJECT PICTURE



PROJECT FUNDING

PRE-FY24	FY24	FY25	FY26	FY27	FY28	POST- FY28	TOTAL
1170	500	6853	5803	0	0	0	14326

Proposed Funding Sources	
Exp. Fund (02) – Availability Fees	50%
Commit. Fund (03) – Availability Fees	-
Repl. Fund (04) – User Rates	50%
Other Contrib. – Development Contributions	-
PROJECT TOTAL	100%