

PWCSA CAPITAL IMPROVEMENT PROJECT DATA SHEET

PROJECT INFORMATION

Project Name: Bioreactor Basin Improvements
CIP Number: WRF-134
JDE Number(s): 24SMPQ0101
Location: H.L. Mooney AWRF
Pressure Zone: WL – Woodbridge
Sewershed: NE – Neabsco
Magisterial District: WB – Woodbridge
Project Estimate: Order of Magnitude
Estimate By: Environmental Services and Water Reclamation Division

PROJECT DESCRIPTION

Project Description: Major bioreactor basin equipment renewal including, but not limited to, mixers, meters, diffusers, baffles, gates, pumps, and blowers. Modification to the bioreactor basin equipment, instrumentation and controls, and engineering evaluations and pilot testing, to improve such things as, but not limited to, mixed liquor settling, improve process monitoring and control, adjust biological reactions, and reduce chemical dosages. Upgrades to blowers including, but not limited to, technology, motors, and various blower components and technology.

Project Benefit: Increased operational resilience, permit compliance, and maximization of treatment capacity in existing infrastructure.

Source Derivation: Environmental Services and Water Reclamation Division; Managed by the Project Management Office.

PROJECT PICTURE



PROJECT FUNDING

PRE-FY24	FY24	FY25	FY26	FY27	FY28	POST- FY28	TOTAL
1672	320	345	500	500	500	0	3837

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