

PWCSA CAPITAL IMPROVEMENT PROJECT DATA SHEET

PROJECT INFORMATION

Project Name: Dynamic Hydraulic Model and Instrumentation

CIP Number: WRF-126

JDE Number(s): 24NMPP0801, 22NMPP0801

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: A full-plant hydraulic simulation model representing existing facilities and controls will be developed for the H.L. Mooney AWRF. The project includes data collection, installation of metering, model development and calibration, and a PER for hydraulic improvements. The hydraulic modeling is phased: the first phase from plant inlet through primary clarifiers, and then from bioreactor basins to the outfall. The first phase is complete.

Project Benefit: The model facilitates selection of physical plant improvements to meet hydraulic capacity needs and addresses potential to overflow.

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
665	0	100	200	300	0	0	1265

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%