

Arcola WWPS & FM

A. Identification and Coding Information			PDF Date	October 1, 2024	Pressure Zones	
Agency Number	Project Number	Update Code	Date Revised		Drainage Basins	Sligo Creek 06
S - 000036.01	382301	Change			Planning Areas	Kensington-Wheaton PA 31

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'24	Estimate FY'25	Total 6 Years	Year 1 FY'26	Year 2 FY'27	Year 3 FY'28	Year 4 FY'29	Year 5 FY'30	Year 6 FY'31	Beyond 6 Years
Planning, Design & Supervision	1,274	223	368	683	503	109	71				
Land											
Construction	4,115			4,115	308	3,116	691				
Other	774		55	719	121	484	114				
Total	6,163	223	423	5,517	932	3,709	876				

C. Funding Schedule (000's)

WSSC Bonds	6,163	223	423	5,517	932	3,709	876				
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D. Description & Justification

<p>DESCRIPTION</p> <p>This project provides for the planning, design, and construction of the modifications to the Arcola Wastewater Pumping Station and replacement of the Arcola Force Main. The rehabilitation will replace both pumps, maintaining the pumping station's 0.17 MGD capacity. The existing 1,300 linear feet of 4-inch force main will be replaced. In addition, replacement of all electrical and mechanical components, piping assets, and the HVAC system are included.</p> <p>BENEFIT</p> <p>Infrastructure Reinvestment: This project replaces existing infrastructure that has exceeded its useful life</p> <p>JUSTIFICATION</p> <p>The existing pumping station and force main were constructed in 1961 and have reached the end of their useful lives. Replacement of the existing force main is in accordance with an initiative to prioritize replacing force mains that have reached their anticipated life expectancy. This upgrade work was recommended as part of WSSC Water's Asset Management Program (CNPV #183).</p> <p>COST CHANGE</p> <p>Not applicable.</p> <p>OTHER</p> <p>The project scope has remained the same. The schedule and expenditure projections shown in Block B above are preliminary planning level estimates and are expected to change based upon site conditions and design constraints. Planning work for the replacement and upgrade began in FY'21 under ESP S-616.01, Arcola Force Main Replacement and WWPS Upgrade.</p> <p>COORDINATION</p> <p>Coordinating Agencies: Maryland Department of Natural Resources; Maryland Department of the Environment; Maryland-National Capital Park & Planning Commission; Montgomery County Government</p> <p>Coordinating Projects: Not Applicable</p>

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service	\$345	29
Total Cost	\$345	29
Impact on Water and Sewer Rate		

F. Approval and Expenditure Data (000's)	
Date First in Program	FY'23
Date First Approved	FY'23
Initial Cost Estimate	6,140
Cost Estimate Last FY	6,789
Present Cost Estimate	6,163
Approved Request Last FY	2,300
Total Expense & Encumbrances	223
Approval Request Year 1	932

G. Status Information	
Land Status	Public/Agency owned land
Project Phase	Design
Percent Complete	5 %
Estimated Completion Date	November 2027
Growth	
System Improvement	100%
Environmental Regulation	
Population Served	
Capacity	0.17 MGD

H. Map

