

Arcola WWPS & FM

A. Identification and Coding Information			PDF Date	October 1, 2021	Pressure Zones						
Agency Number	Project Number	Update Code	Date Revised	February 16, 2022	Drainage Basins	Sligo Creek 06					
S - 000036.01		Add			Planning Areas	Kensington-Wheaton PA 31					

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'21	Estimate FY'22	Total 6 Years	Year 1 FY'23	Year 2 FY'24	Year 3 FY'25	Year 4 FY'26	Year 5 FY'27	Year 6 FY'28	Beyond 6 Years
Planning, Design & Supervision	1,463	188	100	1,175		600	300	275			
Land											
Construction	3,900			3,900			1,700	2,200			
Other	777		15	762		90	300	372			
Total	6,140	188	115	5,837		690	2,300	2,847			

C. Funding Schedule (000's)

WSSC Bonds	6,140	188	115	5,837		690	2,300	2,847			
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D. Description & Justification

<b>DESCRIPTION</b> <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>
<b>BENEFIT</b> <p>Infrastructure Reinvestment: This project replaces existing infrastructure that has exceeded its useful life.</p>
<b>JUSTIFICATION</b> <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>
<b>COST CHANGE</b> <p>Due to budgetary constraints, this project has been deferred for one year.</p>
<b>OTHER</b> <p>The present project scope was developed for the FY'23 CIP and has an estimated total cost of \$6,140,000. The schedule and expenditure projections shown in Block B above are based on preliminary planning level estimates and are expected to change based upon site conditions and design constraints. Preliminary planning work for the replacement and upgrade began in FY'21 under ESP S-616.01, Arcola Force Main Replacement and WWPS Upgrade.</p>
<b>COORDINATION</b> <p>Coordinating Agencies: Maryland Department of Natural Resources; Maryland Department of the Environment; Maryland-National Capital Park &amp; Planning Commission; Montgomery County Government Coordinating Projects: Not Applicable</p>

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service	\$355	26
Total Cost	\$355	26
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	
Present Cost Estimate	6,140
Approved Request Last FY	
Total Expense & Encumbrances	188
Approval Request Year 1	

G. Status Information	
Land Status	Public/Agency owned land
Project Phase	Planning
Percent Complete	100 %
Estimated Completion Date	April 2025
Growth	
System Improvement	100%
Environmental Regulation	
Population Served	
Capacity	0.17 MGD

H. Map
MAP NOT APPLICABLE