

Damascus Town Center WWPS Replacement

A. Identification and Coding Information			PDF Date	October 1, 2021	Pressure Zones	
Agency Number	Project Number	Update Code	Date Revised		Drainage Basins	Patuxent North 26; Seneca Creek 15
S - 000094.13	382002	Change			Planning Areas	Damascus & Vicinity PA 11

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	1,876	346	300	1,230	600	385	190	55			
Land	53	53									
Construction	7,250			7,250		2,485	4,600	165			
Other	878		30	848	60	287	479	22			
Total	10,057	399	330	9,328	660	3,157	5,269	242			

C. Funding Schedule (000's)

WSSC Bonds	7,039	279	231	6,529	462	2,210	3,688	169			
SDC	3,018	120	99	2,799	198	947	1,581	73			

D. Description & Justification

<p>DESCRIPTION</p> <p>This project provides for the planning, design, and construction of a 0.416 MGD wastewater pumping station (WWPS), approximately 2,100 linear feet of gravity sewer, and 2,100 linear feet of force main (FM). The new WWPS and associated FM and gravity sewer will provide service to the existing and future Damascus Town Center service area.</p> <p>BENEFIT</p> <p>Infrastructure Reinvestment: This project replaces existing infrastructure that has exceeded its useful life.; System Capacity: This project will enhance existing infrastructure by building additional capacity in order to meet existing and/or future demand.; Environmental Sustainability: This project supports WSSC Water's commitment to protect the natural environment of Prince George's and Montgomery Counties.</p> <p>JUSTIFICATION</p> <p>The existing pumping station, which is over 35 years old, was originally built as a privately owned facility and did not conform to WSSC Water standards. The pumping station was taken over by WSSC Water in the late 1970s. It has reached the end of its useful life and replacement parts are obsolete. Additionally, the capacity of the pumping station must be increased to accommodate the future service area in accordance with the Maryland-National Capital Park & Planning Commission Damascus Master Plan. The pumping station replacement was recommended by the Damascus Town Center WWPS Business Case Evaluation, Black & Veatch (September 2017) undertaken as part of WSSC Water's Asset Management Program.</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 began in FY'18 under ESP project S-602.01, Damascus Town Center WWPS Replacement.</p> <p>COORDINATION</p> <p>Coordinating Agencies: Maryland Department of the Environment; Maryland-National Capital Park & Planning Commission; Montgomery County Department of Environmental Protection; Montgomery County Department of Public Works and Transportation; Montgomery County Government</p> <p>Coordinating Projects: Not Applicable</p>
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E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance	\$74	27
Debt Service	\$407	27
Total Cost	\$481	27
Impact on Water and Sewer Rate		

F. Approval and Expenditure Data (000's)	
Date First in Program	FY'20
Date First Approved	FY'20
Initial Cost Estimate	9,460
Cost Estimate Last FY	10,053
Present Cost Estimate	10,057
Approved Request Last FY	672
Total Expense & Encumbrances	399
Approval Request Year 1	660

G. Status Information	
Land Status	Land and R/W Acquired
Project Phase	Planning
Percent Complete	90 %
Estimated Completion Date	June 2026
Growth	30%
System Improvement	70%
Environmental Regulation	
Population Served	854
Capacity	0.416 MGD

