

A. Identification and Coding Information			2. Date: October 1, 2009	7. Pre PDF Pg.No.:	8. Req. Adeq. Pub. Fac.
1. Project Number	Agency Number	Update Code	Revised:		
063804	W-172.07	Change			
3. Project Name: Patuxent Raw Water Pipeline			5. Agency: WSSC		
4. Program: Sanitation			6. Planning Area: Bi-County		

E. Annual Operating Budget Impact (000's)				FY of Impact
Program Costs	Staff	
	Other	
Facility Costs	Maintenance	128	
	Debt Service	1397	
Total Costs.....		1525	
Impact on Water or Sewer Rate.....		3¢	14

B. Expenditure Schedule (000's)											
Cost Elements	(8) Total	(9) Thru FY '09	(10) Estimate FY '10	(11) Total 6 Years	(12) Year 1 FY '11	(13) Year 2 FY '12	(14) Year 3 FY '13	(15) Year 4 FY '14	(16) Year 5 FY '15	(17) Year 6 FY '16	(18) Beyond 6 Years
Planning, Design & Supervision	3,817	2,399		1,418	900	243	275				
Land											
Site Improvements & Utilities											
Construction	16,179	3,849		12,330		6,313	6,017				
Other	1,375			1,375	90	656	629				
Total	21,371	6,248		15,123	990	7,212	6,921				

C. Funding Schedule (000's)											
WSSC Bonds	21,371	6,248		15,123	990	7,212	6,921				

D. Description & Justification
DESCRIPTION

This project provides for community outreach, planning, design and construction of a new 48-inch diameter or larger raw water pipeline from the Rocky Gorge Raw Water Pumping Station to the Patuxent Water Filtration Plant, cleaning of the existing water lines and replacement of valves.

JUSTIFICATION

Plans & Studies

Patuxent WFP Facility Plan (April 1997); In-House Study (April 2002).

Specific Data

The existing raw water supply facilities are hydraulically limited to 72 MGD with all pumps running at the Rocky Gorge Pumping Station. In order to convey more than 72 MGD of raw water, a new raw water pipeline is required. A fourth raw water pipeline from Rocky Gorge Pumping Station to the Patuxent Plant and modification/expansion of the Rocky Gorge Pumping Station will provide a firm raw water pumping transmission capacity of 110 MGD. These improvements, in conjunction with expansion of the Patuxent Water Filtration Plant, will give the Plant a firm nominal capacity of 72 MGD, with an emergency capacity of 110 MGD.

Cost Change

Costs have increased due to the addition of six gate valves and 24 blow-off and air relief valves to the Pipeline Cleaning Contract.

STATUS Under Construction (WSSC Contract Nos. BF1582C91 , BF1582E91).

OTHER

The project scope has remained the same. The Rocky Gorge Valve Replacement is complete. Design for cleaning the existing raw water pipelines is 100% complete. The new raw water pipeline portion of the project is still under planning review with construction deferred until FY'12. Expenditure estimates for the pipeline portion shown in Block B above are planning level estimates only and may change based upon the alignment chosen and design constraints. At the request of the Systems Control Group, an additional six gate valves and 24 blow-off and air relief valves with extensions have been included under the Pipeline Cleaning Contract No. BF1582C91 along with the necessary appurtenances. The schedule for this project has also been delayed due to budgetary constraints. Construction of the raw water pipeline will not proceed until both County Councils have approved the alignment. Land costs are included in WSSC Project W-202.00.

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 06
Date First Approved	FY 03
Initial Cost Estimate	18,750
Cost Estimate Last FY	16,015
Present Cost Estimate	21,371
Approved Request, Last FY	
Total Expenditures & Encumbrances	6,248
Approval Request FY 11	990
Supplemental Approval Request Current FY (10)	

G. Status Information

Land Status: Land & R/W to be acquired
% Project Completion: D-0%
Est. Completion Date: See Block D "Other"

H. Map Map Reference Code:

MAP NOT AVAILABLE

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D. DESCRIPTION & JUSTIFICATION (CONT.)

Agency Number: W - 172.07

Project Name: Patuxent Raw Water Pipeline

COORDINATION

Montgomery County Government, Prince George's County Government, Maryland-National Capital Park & Planning Commission, Maryland Department of the Environment, Interstate Commission on the Potomac River Basin, Local Community Civic Associations (West Laurel Civic Association), Baltimore Gas & Electric and WSSC Projects W-172.05, Patuxent WFP Phase II Expansion and W-172.08, Rocky Gorge Pump Station Upgrade.

NOTE This project supports 100% System Improvement.

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