

1. Project Number	Agency Number	Update Code
063804	W-172.07	Change

2. Date: October 1, 2013

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised:

5.Agency: **WSSC**

3. Project Name: Patuxent Raw Water Pipeline

4. Program: **Sanitation**      6. Planning Area: **Bi-County**

B.	Expenditure Schedule (000's)
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	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Cost Elements	Total	Thru FY '13	Estimate FY '14	Total 6 Years	Year 1 FY '15	Year 2 FY '16	Year 3 FY '17	Year 4 FY '18	Year 5 FY '19	Year 6 FY '20	Beyond 6 Years
Planning, Design & Supervision	<b>3,939</b>	2,703	350	<b>886</b>	207	210	239	230			
Land											
Site Improvements & Utilities											
Construction	<b>17,714</b>	5,748	200	<b>11,766</b>	2,607	1,037	3,720	4,402			
Other	<b>1,320</b>		55	<b>1,265</b>	281	125	396	463			
<b>Total</b>	<b>22,973</b>	<b>8,451</b>	<b>605</b>	<b>13,917</b>	<b>3,095</b>	<b>1,372</b>	<b>4,355</b>	<b>5,095</b>			

C.	Funding Schedule (000's)
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WSSC Bonds	22,973	8,451	605	13,917	3,095	1,372	4,355	5,095			
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#### D. Description & Justification

DESCRIPTION
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This project provides for community outreach, planning, design and construction of a new 48-inch diameter 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

Not applicable.

**STATUS** Preliminary Design (WSSC Contract Nos. BF1582E91 , BF1582C91).

## OTHER

The project scope has remained the same. The Rocky Gorge Valve Replacement and the cleaning of existing raw water pipelines are 100% complete. The new raw water pipeline is currently in design. Expenditure and schedule estimates for the new raw water pipeline may change based upon design constraints and permitting issues. As with any construction project, areas disturbed by construction will be restored. This restoration includes paving of impacted roads in accordance with Prince George's County Policy and Specifications for Utility Installation and Maintenance Manual (Section 4.7.2). Land costs are included in WSSC Project W-202.00.

## 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.

E. Annual Operating Budget Impact (000's)	
2019	2020
2021	2022
2023	2024
2025	2026
2027	2028
2029	2030
2031	2032
2033	2034
2035	2036
2037	2038
2039	2040
2041	2042
2043	2044
2045	2046
2047	2048
2049	2050
2051	2052
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2151	2152
2153	2154
2155	2156
2157	2158
2159	2160
2161	2162
2163	2164
2165	2166
2167	2168
2169	2170
2171	2172
2173	2174
2175	2176
2177	2178
2179	2180
2181	2182
2183	2184
2185	2186
2187	2188
2189	2190
2191	2192
2193	2194
2195	2196
2197	2198
2199	2200
2201	2202
2203	2204
2205	2206
2207	2208
2209	2210
2211	2212
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2215	2216
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2221	2222
2223	2224
2225	2226
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2231	2232
2233	2234
2235	2236
2237	2238
2239	2240
2241	2242
2243	2244
2245	2246
2247	2248
2249	2250
2251	2252
2253	2254
2255	2256
2257	2258
2259	2260
2261	2262
2263	2264
2265	2266
2267	2268
2269	2270
2271	2272
2273	2274
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2299	2300
2301	2302
2303	2304
2305	2306
2307	2308
2309	2310
2311	2312
2313	2314
2315	2316
2317	2318

FY of Impact

Program Costs	Staff .....	....	
	Other .....	....	
Facility Costs	Maintenance .....	128	18
	Debt Service .....	1397	18
Total Costs.....		1525	18
Impact on Water or Sewer Rate.....	3¢		18

#### 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	22,688
Present Cost Estimate	22,973
Approved Request, Last FY	3,099
Total Expenditures & Encumbrances	8,451
Approval Request FY 15	3,095
Supplemental Approval Request Current FY (14)	

### G. Status Information

Land Status:	Land & R/W to be acquired
% Project Completion:	D-70%
Est. Completion Date:	See Block D "Other"

<b>H. Map</b>	<b>Map Reference Code:</b>
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**MAP NOT AVAILABLE**