

A. Identification and Coding Information

1. Project Number: 033811
 Agency Number: W-73.16
 Update Code: Change

2. Date: October 1, 2009
 Revised:

3. Project Name: Potomac WFP Improvements

4. Program: Sanitation
 5. Agency: WSSC
 6. Planning Area: Bi-County
 7. Pre PDF Pg.No.:
 8. Req. Adeq. Pub. Fac.:

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	24,081	21,610	2,171	300	300						
Land											
Site Improvements & Utilities											
Construction	105,167	86,107	17,060	2,000	2,000						
Other	2,153		1,923	230	230						
Total	131,401	107,717	21,154	2,530	2,530						

C. Funding Schedule (000's)

WSSC Bonds	90,667	74,325	14,596	1,746	1,746						
SDC	40,734	33,392	6,558	784	784						

D. Description & Justification

DESCRIPTION

This project provides for improvements to the Potomac WFP in accordance with the program management plan. Design and construction of rapid mix/flow splitting modifications, pumping station and ultraviolet disinfection facilities, replacement of MCC No. 1, a new backwash pumping station, and new lime feed facilities were packaged as one contract using the CM-at-Risk project delivery method. Outdoor Substation Nos. 1 and 4 were completed under a separate contract in order to expedite replacement of the 5 kV switchgear in the Finished Water Pumping Station.

Service Area Bi-County Area

JUSTIFICATION

Plans & Studies
 WSSC Memorandum by Timothy D. Hirrel, April 25, 2001; "Technical Memorandum No. 2," O'Brien & Gere Engineers, Inc. (November, 2001); "Potomac WFP Facility Plan," O'Brien & Gere Engineers, Inc. (September, 2002); Potomac WFP Improvements Design Development Report (August, 2003); "Potomac WFP Improvements Design Criteria Report," Post, Buckley, Schuh & Jernigan, Inc. (January, 2004); 5 kV Switchgear Improvements Design Development Report (January, 2004).

Specific Data
 These projects are part of the program of improvements needed to reliably produce 273 MGD in the summer and 218 MGD in the winter in order to meet the April 25, 2001, Water Production Projections for the year 2030. Improvements to the flocculation and sedimentation processes may be needed in the future to increase the total plant capacity to meet projected demands.

Cost Change
 Not Applicable

STATUS Under Construction (WSSC Contract Nos. BF2028D97 , BF2028H97).

OTHER
 The project scope has remained the same. Expenditures and schedule are based upon actual bid. Substantial completion is expected by May 2010. Funding shown in FY'11 is for final "punch-list" items and/or site restoration, and retainage.

COORDINATION
 Montgomery County Government, Prince George's County Government, Montgomery County Department of Environmental Protection, Maryland Department of the Environment, Maryland Department of Natural Resources, Prince George's County Department of Environmental Resources and WSSC Project W-172.05, Patuxent WFP Phase II Expansion(coordination of UV criteria).

NOTE This project supports 31% Growth, 49% System Improvement and 20% Environmental Regulation.

E. Annual Operating Budget Impact (000's)

			FY of Impact
Program Costs	Staff	
	Other	
Facility Costs	Maintenance	
	Debt Service	7980	12
Total Costs.....		7980	12
Impact on Water or Sewer Rate.....		16¢	12

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 04
Date First Approved	FY 03
Initial Cost Estimate	70,247
Cost Estimate Last FY	132,628
Present Cost Estimate	131,401
Approved Request, Last FY	21,738
Total Expenditures & Encumbrances	107,717
Approval Request FY 11	2,530
Supplemental Approval Request Current FY (10)	

G. Status Information

Land Status: Not applicable
 % Project Completion: C-75%
 Est. Completion Date: May 2010

H. Map **Map Reference Code:**

MAP NOT AVAILABLE

22-44