

A. Identification and Coding Information

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

2. Date: October 1, 2008 | Revised: January 21, 2009

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)

	(8) Total	(9) Thru FY '08	(10) Estimate FY '09	(11) Total 6 Years	(12) Year 1 FY '10	(13) Year 2 FY '11	(14) Year 3 FY '12	(15) Year 4 FY '13	(16) Year 5 FY '14	(17) Year 6 FY '15	(18) Beyond 6 Years
Cost Elements											
Planning, Design & Supervision	22,182	17,780	2,402	2,000	1,514	486					
Land											
Site Improvements & Utilities											
Construction	105,146	56,548	24,500	24,098	18,248	5,850					
Other	5,300		2,690	2,610	1,922	688					
Total	132,628	74,328	29,592	28,708	21,684	7,024					

C. Funding Schedule (000's)

	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
WSSC Bonds	91,513	51,286	20,418	19,809	14,962	4,847					
SDC	41,115	23,042	9,174	8,899	6,722	2,177					

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. (\$89.5 million was the Guaranteed Maximum Price agreed to by Clark/Ulliman Schutte on the CM-at-Risk contract.)

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	134,150
Present Cost Estimate	132,628
Approved Request, Last FY	32,230
Total Expenditures & Encumbrances	74,328
Approval Request FY 10	21,684
Supplemental Approval Request Current FY (09)	

G. Status Information

Land Status: Not applicable

% Project Completion: C-45%

Est. Completion Date: May 2010

H. Map Map Reference Code:

MAP NOT AVAILABLE