

A. Identification and Coding Information

1. Project Number: 033812 Agency Number: W-73.30 Update Code: Change

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

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

3. Project Name: Potomac WFP Submerged Channel Intake

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

5. Agency: **WSSC**

B. Expenditure Schedule (000's)

Cost Elements	(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
Planning, Design & Supervision	5,105	1,687	400	3,018		1,470	1,000	299	175	74	
Land											
Site Improvements & Utilities											
Construction	17,353			17,353			220	7,691	5,550	3,892	
Other	2,078		40	2,038		147	122	799	573	397	
Total	24,536	1,687	440	22,409		1,617	1,342	8,789	6,298	4,363	

C. Funding Schedule (000's)

WSSC Bonds	24,536	1,687	440	22,409		1,617	1,342	8,789	6,298	4,363	
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D. Description & Justification

DESCRIPTION

This project includes planning, which involves community outreach and coordination with elected officials, design and construction of a submerged channel intake to provide an additional barrier against drinking water contamination (particularly Giardia cysts and Cryptosporidium oocysts), as well as to enhance reliability and reduce treatment costs by drawing water from a location with cleaner, more stable water quality.

Service Area Bi-County Area

JUSTIFICATION

Plans & Studies

"Technical Memorandum No. 2 Water Quality Needs Assessment," O'Brien & Gere Engineers, Inc. (November, 2001); "Draft Source Water Assessment Study," Maryland Department of the Environment (April, 2002); "Potomac WFP Facility Plan," O'Brien & Gere Engineers, Inc. (September, 2002).

Specific Data

The project is expected to pay for itself over time based upon the reduced chemical and solids handling costs resulting from the cleaner raw water source. It also provides for a more reliable supply by eliminating the current problems associated with ice and vegetation blocking the existing bank withdrawal. This project is consistent with the industry's recommended multiple barrier approach.

Cost Change

Costs were increased for inflation.

STATUS Planning (WSSC Contract No. BF2028F97,).

OTHER

The project scope has remained the same. As part of the planning phase of this project, significant outreach activities will occur. A series of briefings with State legislators, County Council members, County Executive staff and County Council staff will be undertaken prior to commencement of further engineering work. Once the project is underway, elected officials, county government staffs, environmental community members, and the general public will be engaged in an on-going information, outreach and project participation program. Expenditures shown in Block B are planning level estimates only and may increase or decrease. Upon completion of preliminary design, a more reliable estimate can be made. Both Councils will review the results of the detailed study and must approve continuing with the project before design and construction may proceed.

E. Annual Operating Budget Impact (000's)

		FY of Impact
Program Costs	Staff
	Other
Facility Costs	Maintenance
	Debt Service	2140 16
Total Costs		2140 16
Impact on Water or Sewer Rate.....		4¢ 16

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 04
Date First Approved	FY 03
Initial Cost Estimate	936
Cost Estimate Last FY	23,887
Present Cost Estimate	24,536
Approved Request, Last FY	999
Total Expenditures & Encumbrances	1,687
Approval Request FY 10	
Supplemental Approval Request Current FY (09)	

G. Status Information

Land Status: Right-of-Way may be required

% Project Completion: P-75%

Est. Completion Date: FY 2015

H. Map Map Reference Code:

MAP NOT AVAILABLE

D. DESCRIPTION & JUSTIFICATION (CONT.)

Agency Number: W - 73.30

Project Name: Potomac WFP Submerged Channel Intake

COORDINATION

Montgomery County Government, Prince George's County Government, National Park Service, Montgomery County Department of Environmental Protection, Maryland Department of the Environment, Prince George's County Department of Environmental Resources and U.S. Army Corps of Engineers.

NOTE This project supports 100% System Improvement.

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