

**A. Identification and Coding Information**

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

2. Date: October 1, 2007 | 7. Pre PDF Pg.No.: | 8. Req. Adeq. Pub. Fac.:

Revised: \_\_\_\_\_

3. Project Name: Potomac WFP Submerged Channel Intake | 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 .....	.....	
	Debt Service .....	2168	14
<b>Total Costs.....</b>		<b>2168</b>	<b>14</b>
<b>Impact on Water or Sewer Rate.....</b>		<b>4¢</b>	<b>14</b>

**B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '07	(10) Estimate FY '08	(11) Total 6 Years	(12) Year 1 FY '09	(13) Year 2 FY '10	(14) Year 3 FY '11	(15) Year 4 FY '12	(16) Year 5 FY '13	(17) Year 6 FY '14	(18) Beyond 6 Years
Planning, Design & Supervision	5,006	1,522	400	3,084	908	1,244	425	405	102		
Land											
Site Improvements & Utilities											
Construction	16,848			16,848		1,500	8,486	6,362	500		
Other	2,033		40	1,993	91	274	891	677	60		
<b>Total</b>	<b>23,887</b>	<b>1,522</b>	<b>440</b>	<b>21,925</b>	<b>999</b>	<b>3,018</b>	<b>9,802</b>	<b>7,444</b>	<b>662</b>		

**C. Funding Schedule (000's)**

WSSC Bonds	23,887	1,522	440	21,925	999	3,018	9,802	7,444	662		
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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.

**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	22,960
Present Cost Estimate	23,887
Approved Request, Last FY	1,320
Total Expenditures & Encumbrances	1,522
Approval Request FY 09	999
Supplemental Approval Request Current FY (08)	

**G. Status Information**

Land Status: Right-of-Way may be required

% Project Completion: P-75%

Est. Completion Date: FY 2014

**H. Map Map Reference Code:**

MAP NOT AVAILABLE

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**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.