

A. Identification and Coding Information

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

2. Date: October 1, 2011

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

B. Expenditure Schedule (000's)

	(8) Total	(9) Thru FY '11	(10) Estimate FY '12	(11) Total 6 Years	(12) Year 1 FY '13	(13) Year 2 FY '14	(14) Year 3 FY '15	(15) Year 4 FY '16	(16) Year 5 FY '17	(17) Year 6 FY '18	(18) Beyond 6 Years
Cost Elements											
Planning, Design & Supervision	5,503	1,974	303	3,226	368	1,058	900	470	400	30	
Land											
Site Improvements & Utilities											
Construction	18,962			18,962				4,982	11,980	2,000	
Other	2,249		30	2,219	37	106	90	545	1,238	203	
Total	26,714	1,974	333	24,407	405	1,164	990	5,997	13,618	2,233	

C. Funding Schedule (000's)

WSSC Bonds	26,714	1,974	333	24,407	405	1,164	990	5,997	13,618	2,233
------------	--------	-------	-----	--------	-----	-------	-----	-------	--------	-------

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. As the planning process moves into its final stages and the National Environmental Policy Act (NEPA) approval process 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. Expenditure and schedule projections shown above are planning level estimates and may change based on site-specific conditions and design constraints. 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	2198	19
Total Costs		2198	19
Impact on Water or Sewer Rate.....		4¢	19

F. Approval and Expenditure Data (000's)

Date First in Capital Program	<input type="text" value="FY 04"/>
Date First Approved	<input type="text" value="FY 03"/>
Initial Cost Estimate	<input type="text" value="936"/>
Cost Estimate Last FY	<input type="text" value="25,899"/>
Present Cost Estimate	<input type="text" value="26,714"/>
Approved Request, Last FY	<input type="text" value="1,100"/>
Total Expenditures & Encumbrances	<input type="text" value="1,974"/>
Approval Request FY 13	<input type="text" value="405"/>
Supplemental Approval Request Current FY (12)	<input type="text"/>

G. Status Information

Land Status: Right-of-Way may be required
 % Project Completion: P-90%
 Est. Completion Date: FY 2018

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, Maryland Department of Natural Resources, Prince George's County Department of Environmental Resources and U.S. Army Corps of Engineers.

NOTE This project supports 100% System Improvement.

22-48