

A. Identification and Coding Information

1. Project Number: 083800 Agency Number: S-22.10 Update Code: Change

2. Date: October 1, 2010 Revised: January 19, 2011

3. Project Name: Blue Plains WWTP: Enhanced Nutrient Removal

4. Program: Sanitation 5. Agency: WSSC

6. Planning Area: Bi-County

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

E. Annual Operating Budget Impact (000's) FY of Impact

Program Costs	Staff
	Other
Facility Costs	Maintenance
	Debt Service	16273
Total Costs.....		16273
Impact on Water or Sewer Rate.....		35¢

B. Expenditure Schedule (000's)

Cost Elements	(8) Total	(9) Thru FY '10	(10) Estimate FY '11	(11) Total 6 Years	(12) Year 1 FY '12	(13) Year 2 FY '13	(14) Year 3 FY '14	(15) Year 4 FY '15	(16) Year 5 FY '16	(17) Year 6 FY '17	(18) Beyond 6 Years
Planning, Design & Supervision	79,592	11,850	12,490	51,983	14,749	13,891	11,223	5,466	3,434	3,220	3,269
Land											
Site Improvements & Utilities											
Construction	322,279	1,109	11,210	308,059	45,726	64,470	67,800	36,928	52,669	40,466	1,901
Other	3,890		237	3,601	605	784	790	424	561	437	52
Total	405,761	12,959	23,937	363,643	61,080	79,145	79,813	42,818	56,664	44,123	5,222

C. Funding Schedule (000's)

	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
WSSC Bonds	186,615		6,894	175,336	12,202	27,203	29,370	20,332	48,885	37,344	4,385
State Aid	208,306	12,959	16,642	178,122	48,170	50,362	48,738	21,304	4,939	4,609	583
City of Rockville	10,840		401	10,185	708	1,580	1,705	1,182	2,840	2,170	254

D. Description & Justification

DESCRIPTION

This project provides funding for WSSC's share of the Blue Plains Enhanced Nutrient Removal projects required to achieve nutrient removal to levels below BNR levels to meet the Chesapeake Bay water quality targets determined in the 2005 Tributary Strategy process. Sub-projects include: Nitrogen Removal Facilities, Centrate Treatment, Enhanced Clarification Facility, and Blue Plains Tunnel and Dewatering Pumping Station.

Service Area Bi-County Area **Capacity** 370 MGD

JUSTIFICATION

Plans & Studies
Chesapeake Bay Program Tributary Strategies Process (2005); Blue Plains Strategic Process Study, Metcalf & Eddy (2005); Selection of the Enhanced Nitrogen Removal Process Alternative for the Blue Plains Advanced Wastewater Treatment Facility, Metcalf & Eddy (2009); DCWASA Approved FY 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

Specific Data
The funding schedule reflects the final cost sharing agreement with the Maryland Department of the Environment.

Cost Change
Cost decrease is due to refinement of cost estimates as the projects progress through design.

STATUS Under Construction (WSSC Contract Nos. CB4168L05 , CB4168Q05).

OTHER
The project scope has remained the same. Project costs are derived from the DCWASA Capital & Operating Budget 10-year forecast and latest project management data, and reflect DCWASA's current expenditure estimates and schedules.

COORDINATION
Maryland Department of the Environment, U.S. Environmental Protection Agency, Region III and District of Columbia Water & Sewer Authority (responsible for design and construction).

NOTE This project supports 100% Environmental Regulation.

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 08
Date First Approved	FY 07
Initial Cost Estimate	648
Cost Estimate Last FY	432,673
Present Cost Estimate	405,761
Approved Request, Last FY	34,982
Total Expenditures & Encumbrances	12,959
Approval Request FY 12	61,080
Supplemental Approval Request Current FY (11)	

G. Status Information

Land Status: Not Applicable

% Project Completion: C-8%

Est. Completion Date: FY 2019

H. Map Map Reference Code:

MAP NOT AVAILABLE

7-182