

A. Identification and Coding Information

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

2. Date: October 1, 2011 Revised: May 10, 2012

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

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

5. Agency: **WSSC**

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	.....	14917
Total Costs		.....	14917
Impact on Water or Sewer Rate		.....	32¢

B. Expenditure Schedule (000's)

Cost Elements	(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
Planning, Design & Supervision	93,269	27,058	15,940	47,965	17,780	12,461	7,261	4,256	3,257	2,950	2,306
Land											
Site Improvements & Utilities											
Construction	298,519	14,759	48,648	234,873	54,871	46,760	38,402	45,836	39,946	9,058	239
Other	3,499		646	2,828	726	592	457	501	432	120	25
Total	395,287	41,817	65,234	285,666	73,377	59,813	46,120	50,593	43,635	12,128	2,570

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	405,761
Present Cost Estimate	395,287
Approved Request, Last FY	61,080
Total Expenditures & Encumbrances	41,817
Approval Request FY 13	73,377
Supplemental Approval Request Current FY (12)	

C. Funding Schedule (000's)

	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
WSSC Bonds	191,526	8,579	18,940	161,615	26,784	23,428	20,627	42,249	37,827	10,700	2,392
State Aid	192,638	32,740	45,194	114,664	45,037	35,023	24,295	5,890	3,612	807	40
City of Rockville	11,123	498	1,100	9,387	1,556	1,362	1,198	2,454	2,196	621	138

G. Status Information

Land Status: Not Applicable

% Project Completion: C-8%

Est. Completion Date: FY 2019

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 2011 - FY 2020 Capital Improvement Program (January 5, 2012).

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

Cost Change
The cost decrease is primarily due to revised lower estimates for the new Nitrogen Removal Facilities and the Blue Plains Tunnel projects.

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.

H. Map Map Reference Code:

MAP NOT AVAILABLE