

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

2. Date: October 1, 2013

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

Revised:

5.Agency: **WSSC**

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

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

B.	Expenditure Schedule (000's)
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	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Cost Elements	Total	Thru FY '13	Estimate FY '14	Total 6 Years	Year 1 FY '15	Year 2 FY '16	Year 3 FY '17	Year 4 FY '18	Year 5 FY '19	Year 6 FY '20	Beyond 6 Years
Planning, Design & Supervision	69,039	27,463	11,657	28,515	10,717	6,588	4,957	4,045	1,006	1,202	1,404
Land											
Site Improvements & Utilities											
Construction	295,502	116,801	36,080	130,652	37,829	43,228	30,149	18,927	506	13	11,965
Other	2,202		477	1,591	485	498	351	230	15	12	134
Total	366,743	144,264	48,214	160,758	49,031	50,314	35,457	23,202	1,527	1,227	13,507

C.	Funding Schedule (000's)
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WSSC Bonds	152,437	13,457	23,684	102,776	26,275	32,364	24,596	18,067	697	777	12,520
State Aid	205,452	130,025	23,154	52,013	21,230	16,070	9,432	4,086	790	405	260
City of Rockville	8,854	782	1,376	5,969	1,526	1,880	1,429	1,049	40	45	727

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; and Program Management.

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 2013 Capital Improvement Program, and the Blue Plains Intermunicipal Agreement of 2012.

Specific Data

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

Cost Change

Total project cost decrease is based on revised construction cost estimates from DCWASA. Projects extending beyond those supported by State Aid include rehabilitation and upgrades to older projects.

STATUS Not Applicable (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.

E. Annual Operating Budget Impact (000's)	
2019	2020
2021	2022
2023	2024
2025	2026
2027	2028
2029	2030
2031	2032
2033	2034
2035	2036
2037	2038
2039	2040
2041	2042
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2163	2164
2165	2166
2167	2168
2169	2170
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2173	2174
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2199	2200
2201	2202
2203	2204
2205	2206
2207	2208
2209	2210
2211	2212
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2221	2222
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2235	2236
2237	2238
2239	2240
2241	2242
2243	2244
2245	2246
2247	2248
2249	2250
2251	2252
2253	2254
2255	2256
2257	2258
2259	2260
2261	2262
2263	2264
2265	2266
2267	2268
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2289	2290
2291	2292
2293	2294
2295	2296
2297	2298
2299	2300
2301	2302
2303	2304
2305	2306
2307	2308
2309	2310
2311	2312
2313	2314
2315	2316
2317	2318

FY of Impact	
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Program Costs	Staff
	Other
Facility Costs	Maintenance
	Debt Service	10488
Total Costs.....		10488
Impact on Water or Sewer Rate.....		23¢

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	404,053
Present Cost Estimate	366,743
Approved Request, Last FY	60,966
Total Expenditures & Encumbrances	144,264
Approval Request FY 15	49,031
Supplemental Approval Request Current FY (14)	

G. Status Information

Land Status:	Not applicable
% Project Completion:	On-Going
Est. Completion Date:	On-Going

H. Map	Map Reference Code:
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MAP NOT AVAILABLE