

# EXECUTIVE RECOMMENDATION

## Blue Plains WWTP: Plant Wide Projects - No. 023805

Category: WSSC  
 Agency: W.S.S.C.  
 Planning Area: BI-County  
 Relocation Impact: None

Date Last Modified: December 16, 2010  
 Required Adequate Public Facility: No

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru		Est. 6 Year						Beyond	
		FY10	FY11	Total	FY12	FY13	FY14	FY15	FY16	FY17	6 Years
Planning, Design and Supervision	47,252	40,874	1,192	4,186	1,134	868	398	387	450	949	1,000
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	149,634	104,613	9,776	25,552	6,520	9,149	4,847	2,933	1,451	652	9,693
Other	1,883	1,369	110	297	77	100	52	33	19	16	107
<b>Total</b>	<b>198,769</b>	<b>146,856</b>	<b>11,078</b>	<b>30,035</b>	<b>7,731</b>	<b>10,117</b>	<b>5,297</b>	<b>3,353</b>	<b>1,920</b>	<b>1,617</b>	<b>10,800</b>

### FUNDING SCHEDULE (\$000)

Municipal (WSSC only)	10,910	8,061	608	1,648	424	555	291	184	105	89	593
State Aid	0	0	0	0	0	0	0	0	0	0	0
System Development Charge	0	0	0	0	0	0	0	0	0	0	0
WSSC Bonds	187,859	138,795	10,470	28,387	7,307	9,562	5,006	3,169	1,815	1,528	10,207

### COMPARISON (\$000)

	Total	Thru		Est. 6 Year						Beyond		Approp. Request
		FY10	FY11	Total	FY12	FY13	FY14	FY15	FY16	FY17	6 Years	
Current Approved	182,858	141,172	9,784	28,595	7,884	6,376	8,078	5,307	950	0	3,307	0
Agency Request	194,826	146,856	13,624	31,685	9,836	8,515	7,934	2,325	2,350	725	2,661	9,836
Recommended	198,769	146,856	11,078	30,035	7,731	10,117	5,297	3,353	1,920	1,617	10,800	7,731
<b>CHANGE</b>				<b>TOTAL</b>	<b>%</b>	<b>6-YEAR</b>	<b>%</b>	<b>APPROP.</b>				
Agency Request vs Approved				11,968	6.5%	3,090	10.8%	9,836 0.0%				
Recommended vs Approved				15,911	8.7%	1,440	5.0%	7,731 0.0%				
Recommended vs Request				3,943	2.0%	(1,650)	(5.2%)	(2,105) (21.4%)				

#### Recommendation

APPROVE WITH MODIFICATIONS.

#### Comments

This project includes funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant "Plant Wide Projects" capital project.

WSSC's request was based on cost estimates prepared in the early fall using available information from the District of Columbia Water and Sewer Authority (WASA, now doing business as DC Water). WASA subsequently provided updated figures based on its Proposed 2010 - 2019 Capital Improvement Plan. The Executive recommends changes in the project estimates to align them with the amounts proposed by WASA in its FY2010 - 2019 CIP.

The FY12 appropriation request for this project is \$7,731,000.

**A. Identification and Coding Information**

1. Project Number: 023805    Agency Number: S-22.09    Update Code: Change

2. Date: October 1, 2010    Revised:

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

3. Project Name: Blue Plains WWTP: Plant-wide Projects    5. Agency: WSSC

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

**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	47,872	40,874	2,060	4,474	1,406	754	913	488	465	448	464
Land											
Site Improvements & Utilities											
Construction	145,111	104,613	11,429	26,898	8,333	7,677	6,942	1,814	1,862	270	2,171
Other	1,843	1,369	135	313	97	84	79	23	23	7	26
<b>Total</b>	<b>194,826</b>	<b>146,856</b>	<b>13,624</b>	<b>31,685</b>	<b>9,836</b>	<b>8,515</b>	<b>7,934</b>	<b>2,325</b>	<b>2,350</b>	<b>725</b>	<b>2,661</b>

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

WSSC Bonds	184,131	138,795	12,876	29,945	9,296	8,048	7,498	2,197	2,221	685	2,515
City of Rockville	10,695	8,061	748	1,740	540	467	436	128	129	40	146

**D. Description & Justification**

**DESCRIPTION**

This project provides funding for WSSC's share of Blue Plains plant-wide projects for which construction began after June 30, 1993. Major projects include: Process Control Computer Systems; Electrical Power Systems Additions, Phases I & II; High Priority Rehabilitation Program; and Plant-wide Fine Bubble Aeration Conversion.

Service Area: BI-County Area    Capacity: 370 MGD

**JUSTIFICATION**

**Plans & Studies**  
The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); and the DCWASA Approved FY 2009 - FY 2018 Capital Improvement Program (February, 2010).

**Specific Data**  
This is a continuation of the DCWASA's upgrading of the Blue Plains Wastewater Treatment Plant.

**Cost Change**  
The cost increase is primarily due to revised estimates for Process Computer Control System and Additional Chemical System projects.

**STATUS** Not Applicable

**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. Given the open-ended nature of the project, this PDF does not fully reflect the total project costs. These projects are, in fact, expected to continue indefinitely. As new sub-projects are added to the Blue Plains facility plans, the associated costs will be added to this project. The funding schedule also indicates the calculated Rockville share of the cost.

**COORDINATION**  
City of Rockville (responsible for a share of funding) and District of Columbia Water & Sewer Authority (responsible for design and construction).

**NOTE** This project supports 100% System Improvement.

**E. Annual Operating Budget Impact (000's)**

	FY of Impact
Program Costs	Staff .....
	Other .....
Facility Costs	Maintenance .....
	Debt Service .....
Total Costs	15951 .....
Impact on Water or Sewer Rate	34¢ .....

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 95
Date First Approved	FY 02
Initial Cost Estimate	84,650
Cost Estimate Last FY	179,915
Present Cost Estimate	194,826
Approved Request, Last FY	9,784
Total Expenditures & Encumbrances	146,856
Approval Request FY 12	9,836
Supplemental Approval Request Current FY (11)	

**G. Status Information**

Land Status: Not applicable

% Project Completion: On-Going

Est. Completion Date: On-Going

**H. Map    Map Reference Code:**

MAP NOT AVAILABLE