

# 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, 2011  
 Required Adequate Public Facility: No

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru	Rem.	6 Year		FY13	FY14	FY15	FY16	FY17	FY18	Beyond
		FY11	FY12	Total	Total							6 Years
Planning, Design and Supervision	49,184	42,066	1,233	5,310	1,949	1,346	675	284	629	427	575	
Land	0	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	0
Construction	154,162	115,758	7,777	26,602	8,116	6,372	2,675	1,511	1,553	6,375	4,025	
Other	456	0	90	320	101	77	34	18	22	68	46	
<b>Total</b>	<b>203,802</b>	<b>157,824</b>	<b>9,100</b>	<b>32,232</b>	<b>10,166</b>	<b>7,795</b>	<b>3,384</b>	<b>1,813</b>	<b>2,204</b>	<b>6,870</b>	<b>4,646</b>	

### FUNDING SCHEDULE (\$000)

Municipal (WSSC only)	11,189	8,664	500	1,770	558	428	186	100	121	377	255	
State Aid	0	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	0
WSSC Bonds	192,613	149,160	8,600	30,462	9,608	7,367	3,198	1,713	2,083	6,493	4,391	

### COMPARISON (\$000)

	Total	Thru	Rem.	6 Year		FY13	FY14	FY15	FY16	FY17	FY18	Beyond	Approp.
		FY11	FY12	Total	Total							6 Years	Request
Current Approved	198,769	157,934	7,731	22,304	10,117	5,297	3,353	1,920	1,617	0	10,800	0	
Agency Request	201,943	157,824	9,894	29,502	7,801	6,230	3,656	2,242	2,518	7,055	4,723	7,801	
Recommended	203,802	157,824	9,100	32,232	10,166	7,795	3,384	1,813	2,204	6,870	4,646	10,166	
<b>CHANGE</b>				<b>TOTAL</b>	<b>%</b>	<b>6-YEAR</b>	<b>%</b>				<b>APPROP.</b>		
Agency Request vs Approved				3,174	1.6%	7,198	32.3%			7,801	0.0%		
Recommended vs Approved				5,033	2.5%	9,928	44.5%			10,166	0.0%		
Recommended vs Request				1,859	0.9%	2,730	9.3%			2,365	30.3%		

#### 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. The Executive recommends changes in project estimates to align with the amounts proposed by the District of Columbia Water and Sewer Authority (now doing business as DC Water) in its Proposed FY2011-2020 CIP. The changes reflect minor adjustments to the cost estimates for some of the sub-projects included under Plant Wide Projects.

**A. Identification and Coding Information**

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

2. Date: October 1, 2011

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

Revised:

5. Agency: **WSSC**

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

4. Program: **Sanitation** 6. Planning Area: **BI-County****E. Annual Operating Budget Impact (000's)**

FY of Impact

Program Costs	Staff .....	....
	Other .....	....
Facility Costs	Maintenance .....	....
	Debt Service .....	16643
Total Costs.....		16643
Impact on Water or Sewer Rate.....		36¢

**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	198,769
Present Cost Estimate	201,943
Approved Request, Last FY	7,731
Total Expenditures & Encumbrances	157,824
Approval Request FY 13	7,801
Supplemental Approval Request Current FY (12)	

**G. Status Information**

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

**H. Map Map Reference Code:****MAP NOT AVAILABLE****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	48,738	42,066	981	5,114	1,027	941	978	693	899	578	577
Land											
Site Improvements & Utilities											
Construction	152,768	115,758	8,815	24,096	6,697	5,227	2,644	1,527	1,594	6,407	4,099
Other	437		98	292	77	62	36	22	25	70	47
<b>Total</b>	<b>201,943</b>	<b>167,824</b>	<b>9,894</b>	<b>29,502</b>	<b>7,801</b>	<b>6,230</b>	<b>3,656</b>	<b>2,242</b>	<b>2,618</b>	<b>7,055</b>	<b>4,723</b>

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

WSSC Bonds	190,858	149,160	9,351	27,883	7,373	5,888	3,455	2,119	2,380	6,668	4,464
City of Rockville	11,085	8,664	543	1,619	428	342	201	123	138	387	259

**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 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

**Specific Data**

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

**Cost Change**

Not applicable.

**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.