

EXECUTIVE RECOMMENDATION

Blue Plains WWTP: Biosolids Mgmt PT2 - No. 954812

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	Thru		Rem.	6 Year							Beyond
	Total	FY11	FY12	Total	FY13	FY14	FY15	FY16	FY17	FY18	6 Years
Planning, Design and Supervision	85,955	57,488	11,732	16,735	7,998	6,334	1,533	357	372	141	0
Construction	286,642	84,957	55,111	146,574	101,249	33,493	7,283	3,266	1,225	58	0
Other	2,300	0	668	1,632	1,092	398	88	36	16	2	0
Total	374,897	142,445	67,511	164,941	110,339	40,225	8,904	3,659	1,613	201	0

FUNDING SCHEDULE (\$000)

Municipal (WSSC only)	20,580	7,819	3,706	9,055	6,057	2,208	489	201	89	11	0
System Development Charge	0	0	0	0	0	0	0	0	0	0	0
WSSC Bonds	354,317	134,626	63,805	155,886	104,282	38,017	8,415	3,458	1,524	190	0

COMPARISON (\$000)

		Thru	Rem. 6 Year								Beyond	Approp.
	Total	FY11	FY12	Total	FY13	FY14	FY15	FY16	FY17	FY18	6 Years	Request
Current Approved	340,420	142,707	62,573	135,077	88,830	37,326	5,668	2,861	392	0	63	0
Agency Request	376,062	142,445	70,684	162,931	111,139	38,977	4,714	5,141	2,491	469	2	111,139
Recommended	374,897	142,445	67,511	164,941	110,339	40,225	8,904	3,659	1,613	201	0	110,339
CHANGE			TOTAL		%	6-YEAR		%	APPROP.			
Agency Request vs Approved			35,642		10.5%	27,854		20.6%	111,139		0.0%	
Recommended vs Approved			34,477		10.1%	29,864		22.1%	110,339		0.0%	
Recommended vs Request			(1,165)		(0.3%)	2,010		1.2%	(800)		(0.7%)	

Recommendation

APPROVE WITH MODIFICATIONS.

Comments

This project includes funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant "Biosolids Management Part 2" 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 in the Biosolids Management project.

A. Identification and Coding Information

1. Project Number	Agency Number	Update Code
954812	S-22.07	Change

2. Date: October 1, 2011

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

Revised:

3. Project Name: Blue Plains WWTP: Biosolids Management, Part 2

5. Agency: **WSSC**4. Program: **Sanitation** 6. Planning Area: **BI-County****B. Expenditure Schedule (000's)**

	(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
Cost Elements											
Planning, Design & Supervision	86,418	57,488	10,538	18,389	8,889	6,528	1,397	611	628	338	1
Land											
Site Improvements & Utilities											
Construction	287,332	84,957	59,446	142,928	101,150	32,063	3,270	4,479	1,840	126	1
Other	2,314		700	1,614	1,100	386	47	51	25	5	
Total	376,062	142,445	70,684	162,931	111,139	38,977	4,714	5,141	2,491	469	2

C. Funding Schedule (000's)

WSSC Bonds	355,418	134,626	66,804	153,986	105,038	36,837	4,455	4,859	2,354	443	2
City of Rockville	20,644	7,819	3,880	8,945	6,101	2,140	259	282	137	26	

D. Description & Justification**DESCRIPTION**

This project provides funding for WSSC's share of the Blue Plains biosolids handling projects for which construction began after June 30, 1993. Major projects include: new digestion facilities; gravity and centrifuge thickener facilities; area electrical substation #6; and solids processing building/dewatered sludge loading facility.

Service Area **BI-County Area**Capacity **370 MGD****JUSTIFICATION****Plans & Studies**

The Blue Plains Intermunicipal Agreement of 1985; the DCWASA Master Plan (1998); EPMC IV Facility Plan (CH2MHILL, 2001); the Biosolids Management at DCWASA Blue Plains Wastewater Treatment Plant Phase II - Design and Cost Considerations for Treatment Alternatives Report (December 2007); and the DCWASA Approved FY 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

Specific Data

This project is needed to implement a set of facilities which will provide a permanent biosolids management program for Blue Plains.

Cost Change

Cost increase is primarily due to refined estimates as the Anaerobic Digesters and Gravity Thickening Facilities progress through design, and higher costs associated with program management.

STATUS Not Applicable**OTHER**

The project scope has remained the same. Project costs are derived from the DCWASA Capital & Operating Budget 10-year forecast of spending and DCWASA's latest project management data, and fully reflect DCWASA's current cost estimates and expenditure schedules. Given the open-ended nature of the Blue Plains projects, 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	30992
Total Costs		30992
Impact on Water or Sewer Rate		67¢

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 95
Date First Approved	FY 95
Initial Cost Estimate	77,296
Cost Estimate Last FY	340,420
Present Cost Estimate	376,062
Approved Request, Last FY	62,573
Total Expenditures & Encumbrances	142,445
Approval Request FY 13	111,139
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**