

EXECUTIVE RECOMMENDATION

Blue Plains WWTP: Liquid Train PT 2 (P954811)

Project Category	WSSC	Date Last Modified	12/28/12
Project SubCategory	Sewerage Bi-County	Required Adequate Public Facility	No
Project Administering Agency	W.S.S.C. (AAGE23)	Relocation Impact	None
Project Planning Area	Bi-County	Status	TBA

EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY12	Est FY13	Total 6 Years	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	Beyond 6 Yrs
Planning, Design and Supervision	57,204	42,031	1,816	12,649	2,158	4,226	2,032	1,879	1,519	835	708
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	216,787	185,493	5,196	25,681	3,097	4,855	3,558	4,582	5,146	4,443	417
Other	466	0	70	385	53	91	56	65	67	53	11
Total	274,457	227,524	7,082	38,715	5,308	9,172	5,646	6,526	6,732	5,331	1,136

FUNDING SCHEDULE (\$000s)

Municipal (WSSC only)	15,066	12,490	389	2,125	291	503	310	358	370	293	62
WSSC Bonds	259,391	215,034	6,693	36,590	5,017	8,669	5,336	6,168	6,362	5,038	1,074
Total	274,457	227,524	7,082	38,715	5,308	9,172	5,646	6,526	6,732	5,331	1,136

COMPARISON (\$000s)

	Total	Thru FY12	Est FY13	6YR Total	FY14	FY15	FY16	FY17	FY18	FY19	Bey 6Yr	Approp.
Current Approved	266,009	230,948	9,458	20,838	4,985	1,799	2,524	6,833	4,697	0	4,765	0
Agency Request	285,104	227,524	10,249	38,242	7,228	5,357	4,861	8,575	6,189	6,032	9,089	7,228
Recommended	274,457	227,524	7,082	38,715	5,308	9,172	5,646	6,526	6,732	5,331	1,136	5,308

Change

	TOTAL	%	6-YEAR	%	APPROP.	%
Agency Request vs Approved	19,095	7.2%	17,404	83.5%	7,228	0.0%
Recommended vs Approved	8,448	3.2%	17,877	85.8%	5,308	0.0%
Recommended vs Request	(10,647)	(3.7%)	473	1.2%	(1,920)	(26.6%)

Recommendation

APPROVE WITH MODIFICATIONS.

Comments

This project includes funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant "Liquid Train Part 2" capital project.

WSSC's request was based on cost estimates prepared in the early fall using available information from DC Water (formerly the District of Columbia Water and Sewer Authority or WASA). DC Water subsequently provided updated figures based on its Proposed FY 2012-2021 Capital Improvement Plan. The Executive recommends changes in the project estimates to align them with the amounts proposed by DC Water in its FY 2012-2021 CIP.

The FY14 appropriation request for this project is \$5,308,000.

A. Identification and Coding Information			2. Date: October 1, 2012	7. Pre PDF Pg.No.:	8. Req. Adeq. Pub. Fac.
1. Project Number	Agency Number	Update Code	Revised:		
954811	S-22.06	Change			
3. Project Name: Blue Plains WWTP: Liquid Train Projects, Part 2			5. Agency: WSSC		
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	21923
Total Costs.....		21923
Impact on Water or Sewer Rate.....		47¢

B. Expenditure Schedule (000's)											
	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Cost Elements	Total	Thru FY '12	Estimate FY '13	Total 6 Years	Year 1 FY '14	Year 2 FY '15	Year 3 FY '16	Year 4 FY '17	Year 5 FY '18	Year 6 FY '19	Beyond 6 Years
Planning, Design & Supervision	62,744	42,031	2,824	12,971	2,383	1,844	2,045	2,383	2,176	2,140	4,918
Land											
Site Improvements & Utilities											
Construction	221,790	185,493	7,324	24,892	4,773	3,460	2,768	6,107	3,952	3,832	4,081
Other	570		101	379	72	53	48	85	61	60	90
Total	285,104	227,524	10,249	38,242	7,228	5,357	4,861	8,575	6,189	6,032	9,089

C. Funding Schedule (000's)											
WSSC Bonds	269,452	215,034	9,686	36,142	6,831	5,063	4,594	8,104	5,849	5,701	8,590
City of Rockville	15,652	12,490	563	2,100	397	294	267	471	340	331	499

D. Description & Justification

DESCRIPTION

This project provides funding for WSSC's share of Blue Plains liquid train projects for which construction began after June 30, 1993. Major projects include: Filtration and Disinfection Rehabilitation, Raw Wastewater Pumping Station No. 2, Dual Purpose Sedimentation Basins Rehabilitation, and Primary Treatment Facilities Upgrade Phase II.

Service Area Bi-County Area **Capacity** 370 MGD

JUSTIFICATION

Plans & Studies
The Blue Plains Intermunicipal Agreement of 2012; the DCWASA Master Plan (1998); and the DCWASA Approved FY 2013 Capital Improvements Program.

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

Cost Change
Cost increase is primarily due to further revised higher estimates for the Dual Purpose Sedimentation Basins Rehab, Filtration/Disinfection Facilities Rehab Phase II, and Effluent Disinfection Upgrades in later years.

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), District of Columbia Water & Sewer Authority (responsible for design and construction) and WSSC Projects S-22.08, Blue Plains WWTP: Biological Nutrient Removal and S-22.10, Blue Plains WWTP: Enhanced Nutrient Removal.

NOTE This project supports 100% System Improvement.

F. Approval and Expenditure Data (000's)	
Date First in Capital Program	FY 95
Date First Approved	FY 95
Initial Cost Estimate	69,745
Cost Estimate Last FY	267,346
Present Cost Estimate	285,104
Approved Request, Last FY	9,458
Total Expenditures & Encumbrances	227,524
Approval Request FY 14	7,228
Supplemental Approval Request Current FY (13)	

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

H. Map Map Reference Code:

MAP NOT AVAILABLE