EXECUTIVE RECOMMENDATION

Blue Plains WWTP: Enhanced Nutrient Removal - No. 083800

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

Date Last Modified: **January 5, 2009**
Required Adequate Public Facility: **No**

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY08	Est. FY09	6 Year Total	FY10	FY11	FY12	FY13	FY14	FY15	Beyond 6 Years
Planning, Design and Supervision	44,327	1,041	3,435	37,925	8,330	5,611	6,891	7,399	6,187	3,507	1,926
Construction	243,151	0	0	223,226	0	14,465	67,766	69,804	54,062	17,129	19,925
Other	2,874	10	34	2,611	83	201	747	772	602	206	219
Total	**290,352**	**1,051**	**3,469**	**263,762**	**8,413**	**20,277**	**75,404**	**77,975**	**60,851**	**20,842**	**22,070**

FUNDING SCHEDULE ($000)

State Aid	290,352	1,051	3,469	263,762	8,413	20,277	75,404	77,975	60,851	20,842	22,070

COMPARISON ($000)

	Total	Thru FY08	Est. FY09	6 Year Total	FY10	FY11	FY12	FY13	FY14	FY15	Beyond 6 Years	Approp. Request
Current Approved	270,361	2,755	4,190	230,241	8,051	13,104	67,755	92,829	48,502	0	33,175	0
Agency Request	260,827	1,041	4,367	200,435	10,508	8,737	58,788	34,158	54,543	33,701	54,984	10,508
Recommended	290,352	1,051	3,469	263,762	8,413	20,277	75,404	77,975	60,851	20,842	22,070	8,413

CHANGE	TOTAL	%	6-YEAR	%	APPROP.	
Agency Request vs Approved	(9,534)	(3.5%)	(29,806)	(12.9%)	10,508	0.0%
Recommended vs Approved	19,991	7.4%	33,521	14.6%	8,413	0.0%
Recommended vs Request	29,525	11.3%	63,327	31.6%	(2,095)	(19.9%)

Recommendation

APPROVE WITH MODIFICATIONS.

Comments

This project provides funding for WSSC's share of the Blue Plains Advanced Wastewater Treatment Plant "Enhanced Nutrient Removal" (ENR) 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). In December, WASA provided updated cost figures based on its Proposed FY2008 - 2017 Capital Improvement Plan. The Executive recommends changes in the project estimates to align with the amounts proposed by WASA in its FY2008 - 2017 CIP. The Executive's recommended expenditures for this project incorporate adjustments by WSSC to WASA's original cost allocation to eliminate contributions toward the cost of certain ENR facilities needed to handle excess flows from the District of Columbia.

The FY10 appropriation request for this project is $8,413,000.

A. Identification and Coding Information

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

2. Date: October 1, 2008

Revised:

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

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

5.Agency: **WSSC**

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

B. Expenditure Schedule (000's)

Cost Elements	(8) Total	(9) Thru FY '08	(10) Estimate FY '09	(11) Total 6 Years	(12) Year 1 FY '10	(13) Year 2 FY '11	(14) Year 3 FY '12	(15) Year 4 FY '13	(16) Year 5 FY '14	(17) Year 6 FY '15	(18) Beyond 6 Years
Planning, Design & Supervision	**47,802**	1,041	4,324	**38,031**	10,404	3,730	5,947	6,979	6,370	4,601	4,406
Land											
Site Improvements & Utilities											
Construction	**210,453**			**160,419**		4,920	52,259	26,841	47,633	28,766	50,034
Other	**2,572**		43	**1,985**	104	87	582	338	540	334	544
Total	**260,827**	**1,041**	**4,367**	**200,435**	**10,508**	**8,737**	**58,788**	**34,158**	**54,543**	**33,701**	**54,984**

C. Funding Schedule (000's)

State Aid	**260,827**	1,041	4,367	**200,435**	10,508	8,737	58,788	34,158	54,543	33,701	54,984

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.

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); DCWASA Approved FY 2007 - FY 2016 Capital Improvement Program information (January, 2008).

Specific Data

The costs for planning, research, piloting, design, and construction are anticipated to be covered by the Bay Restoration Fund.

Cost Change

The overall project cost decreased due to refinements in the planning process configuration. These costs to WSSC are considerably lower than those anticipated by DC-WASA. They are based on calculations using lower joint-use percentages which are considered by WSSC to be more appropriate than those used by DC-WASA. The difference of opinion remains unresolved.

STATUS Planning

OTHER

The project scope has remained the same. The project is currently in the planning phase, with piloting of alternate processes expected to identify the best components. Ultimate process selection and cost will depend on negotiations between DCWASA and US EPA with regard to treatment specifications and permitted effluent limits.

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)

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

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	270,361
Present Cost Estimate	260,827
Approved Request, Last FY	4,190
Total Expenditures & Encumbrances	1,041
Approval Request FY 10	10,508
Supplemental Approval Request Current FY (09)	

G. Status Information

Land Status: Not Applicable

% Project Completion: P-50%

Est. Completion Date: FY 2019

H. Map **Map Reference Code:**

MAP NOT AVAILABLE