

Blue Plains WWTP: Liquid Train Projects, Part 2

A. Identification and Coding Information			PDF Date	October 1, 2019	Pressure Zones	
Agency Number	Project Number	Update Code	Date Revised		Drainage Basins	Bi-County 30
S - 000022.06	954811	Change			Planning Areas	Bi-County

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'19	Estimate FY'20	Total 6 Years	Year 1 FY'21	Year 2 FY'22	Year 3 FY'23	Year 4 FY'24	Year 5 FY'25	Year 6 FY'26	Beyond 6 Years
Planning, Design & Supervision											
Land											
Construction	307,802		22,605	164,639	23,200	28,542	20,653	21,897	23,108	47,239	120,558
Other	3,078		226	1,646	232	285	206	219	231	473	1,206
Total	310,880		22,831	166,285	23,432	28,827	20,859	22,116	23,339	47,712	121,764

C. Funding Schedule (000's)

WSSC Bonds	293,816		21,578	157,158	22,146	27,245	19,714	20,902	22,058	45,093	115,080
City of Rockville	17,064		1,253	9,127	1,286	1,582	1,145	1,214	1,281	2,619	6,684

D. Description & Justification

<p><b>DESCRIPTION</b></p> <p>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/Disinfection Facilities Phases I &amp; II, upgrading influent screening, and upgrading effluent filters.</p> <p><b>JUSTIFICATION</b></p> <p>This is a continuation of the DCWASA's upgrading of the Blue Plains Wastewater Treatment Plant. The Blue Plains Intermunicipal Agreement of 2012; the DCWASA Master Plan (1998); Blue Plains Facilities Master Plan (2016), and the DCWASA Approved FY 2020 Capital Improvements Program.</p> <p><b>COST CHANGE</b></p> <p>Costs in Year 6 and beyond reflect programmed costs for renewal and replacement of components expected to have reached the end of their useful life, including mechanical treatment components and some structural rebuilds of tanks and filters.</p> <p><b>OTHER</b></p> <p>The project scope has remained the same. Project costs are derived from the DCWASA Capital &amp; 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.</p> <p><b>COORDINATION</b></p> <p>Coordinating Agencies: City of Rockville;(responsible for a share of funding); District of Columbia Water and Sewer Authority;(responsible for design and construction)</p> <p>Coordinating Projects: S - 000022.10 - Blue Plains WWTP: Enhanced Nutrient Removal</p>
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E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service	\$19,113	
Total Cost	\$19,113	
Impact on Water and Sewer Rate	\$0.04	

F. Approval and Expenditure Data (000's)	
Date First in Program	FY 95
Date First Approved	FY 95
Initial Cost Estimate	
Cost Estimate Last FY	247,693
Present Cost Estimate	310,880
Approved Request Last FY	22,831
Total Expense & Encumbrances	
Approval Request Year 1	23,432

G. Status Information	
Land Status	Not Applicable
Project Phase	On-Going
Percent Complete	0 %
Estimated Completion Date	On-Going

Growth	
System Improvement	100%
Environmental Regulation	
Population Served	
Capacity	169.6 / 370 MGD

H. Map
MAP NOT AVAILABLE