

Blue Plains WWTP: Liquid Train Projects, Part 2

A. Identification and Coding Information			PDF Date	October 1, 2020	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'20	Estimate FY'21	Total 6 Years	Year 1 FY'22	Year 2 FY'23	Year 3 FY'24	Year 4 FY'25	Year 5 FY'26	Year 6 FY'27	Beyond 6 Years
Planning, Design & Supervision											
Land											
Construction	259,145		23,200	147,556	18,660	22,964	21,776	16,061	31,194	36,901	88,389
Other	2,593		232	1,477	187	230	218	161	312	369	884
Total	261,738		23,432	149,033	18,847	23,194	21,994	16,222	31,506	37,270	89,273

C. Funding Schedule (000's)

WSSC Bonds	247,370		22,146	140,852	17,812	21,921	20,787	15,331	29,777	35,224	84,372
City of Rockville	14,368		1,286	8,181	1,035	1,273	1,207	891	1,729	2,046	4,901

D. Description & Justification

DESCRIPTION This project provides funding for WSSC Water's share of Blue Plains liquid train projects for which construction began after June 30, 1993. Current projects include: Filtration/Disinfection Facilities (UC); upgrading influent screening (IZ); upgrading effluent filters (IY); replacing/upgrading the primary clarifier mechanical components (UC); and, improvements to the headworks influent structures (J2).
JUSTIFICATION This is a continuation of the DC Water's upgrading of the Blue Plains Wastewater Treatment Plant. The Blue Plains Inter-municipal Agreement of 2012; the DCWASA Master Plan (1998); Blue Plains Facilities Master Plan (2016), and the DC Water Approved FY2021 Capital Improvements Program.
COST CHANGE Increased estimates beginning in FY'26 reflect programmed costs for renewal and replacement of major process components expected to have reached the end of their useful life, including mechanical treatment components and some structural rebuilds of tanks and filters.
OTHER The project scope has remained the same. Project costs are derived from the DC Water Capital & Operating Budget 10-year forecast of spending and DC Water's latest project management data, and fully reflect DC Water'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 Coordinating Agencies: City of Rockville;(responsible for a share of funding); DC Water;(responsible for design and construction) Coordinating Projects: S - 000022.10 - Blue Plains WWTP: Enhanced Nutrient Removal

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service	\$16,092	
Total Cost	\$16,092	
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	310,880
Present Cost Estimate	261,738
Approved Request Last FY	23,432
Total Expense & Encumbrances	
Approval Request Year 1	18,847

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