

Blue Plains WWTP: Liquid Train Projects, Part 2

A. Identification and Coding Information			PDF Date	October 1, 2023	Pressure Zones	
Agency Number	Project Number	Update Code	Date Revised	February 1, 2024	Drainage Basins	Bi-County 30
S - 000022.06	954811	Change			Planning Areas	Bi-County

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'23	Estimate FY'24	Total 6 Years	Year 1 FY'25	Year 2 FY'26	Year 3 FY'27	Year 4 FY'28	Year 5 FY'29	Year 6 FY'30	Beyond 6 Years
Planning, Design & Supervision											
Land											
Construction	384,051		23,564	245,878	18,264	29,887	40,351	43,260	55,680	58,436	114,609
Other	3,842		236	2,460	183	299	404	433	557	584	1,146
Total	387,893		23,800	248,338	18,447	30,186	40,755	43,693	56,237	59,020	115,755

C. Funding Schedule (000's)

WSSC Bonds	366,797		22,494	234,839	17,444	28,545	38,540	41,318	53,180	55,812	109,464
City of Rockville	21,096		1,306	13,499	1,003	1,641	2,215	2,375	3,057	3,208	6,291

D. Description & Justification

<p>DESCRIPTION</p> <p>This project provides funding for WSSC Water's share of Blue Plains liquid train projects for which construction began after June 30, 1993. This project is comprised of 25 projects that have been identified and prioritized by DC Water in their capital program. Projects with significant spending in FY'25 include: upgrades to the grit, screening, and primary treatment systems (BQ); upgrading effluent filters (IY); replacing/upgrading the primary clarifier mechanical components (J2); improvements to the headworks influent structures (BC); nitrification reactors/sedimentation upgrades (PE); liquid process rehabilitation (RN); and liquid processing PM (A2).</p> <p>BENEFIT</p> <p>Regulatory & Other Agreements: This project is required to meet regulatory requirements, multi-jurisdictional agreements, and/or consent decrees; Infrastructure Reinvestment: This project replaces existing infrastructure that has exceeded its useful life</p> <p>JUSTIFICATION</p> <p>This is a continuation of the DC Water's upgrading of the Blue Plains Wastewater Treatment Plant. Blue Plains Inter-Municipal Agreement of 2012; DCWASA Master Plan (1998); Blue Plains Facilities Master Plan (2016); DC Water's preliminary FY'24 - FY'33 Capital Improvements Program.</p> <p>COST CHANGE</p> <p>The schedule and expenditure projections were updated to reflect the latest estimates available from DC Water for the constituent Blue Plains joint-use projects as of May 2023.</p> <p>OTHER</p> <p>The project scope has remained the same. Project costs are derived from the DC Water Capital Budget 10-year forecast of spending and DC Water's latest project management data, and fully reflect DC Water's cost estimates and expenditure schedules available at the time this document was prepared. 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>COORDINATION</p> <p>Coordinating Agencies: City of Rockville;(responsible for a share of funding); DC Water;(responsible for design and construction)</p> <p>Coordinating Projects: Not Applicable</p>

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service	\$16,547	
Total Cost	\$16,547	
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	326,696
Present Cost Estimate	387,893
Approved Request Last FY	23,800
Total Expense & Encumbrances	
Approval Request Year 1	18,447

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