

Blue Plains WWTP: Plant-wide Projects

A. Identification and Coding Information			PDF Date	October 1, 2022	Pressure Zones						
Agency Number	Project Number	Update Code	Date Revised		Drainage Basins	Bi-County 30					
S - 000022.09	023805	Change			Planning Areas	Bi-County					

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'22	Estimate FY'23	Total 6 Years	Year 1 FY'24	Year 2 FY'25	Year 3 FY'26	Year 4 FY'27	Year 5 FY'28	Year 6 FY'29	Beyond 6 Years
Planning, Design & Supervision											
Land											
Construction	127,650		13,233	98,459	15,063	18,012	22,541	22,305	8,719	11,819	15,958
Other	1,276		132	984	151	180	225	223	87	118	160
Total	128,926		13,365	99,443	15,214	18,192	22,766	22,528	8,806	11,937	16,118

C. Funding Schedule (000's)

WSSC Bonds	121,848		12,631	93,984	14,379	17,193	21,516	21,291	8,323	11,282	15,233
City of Rockville	7,078		734	5,459	835	999	1,250	1,237	483	655	885

D. Description & Justification

DESCRIPTION
This project provides funding for WSSC Water's share of Blue Plains plant-wide projects for which construction began after June 30, 1993. There are 25 DC Water capital program projects covered by the WSSC Water capital project. Current projects with significant spending in FY'24 include: electrical system upgrades (TZ); floodwall construction (JF); plant-site drainage improvements (OE); process computer control system (IV and LX); and other miscellaneous projects.

BENEFIT
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

JUSTIFICATION
This is a continuation of 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); and DC Water FY'23 Capital Improvements Program.

COST CHANGE
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 2022.

OTHER
The project scope has remained the same. Project costs are derived from the DC Water Capital & Operating Budget 10-year forecast and latest project management data, and reflect DC Water's current expenditure estimates and schedules. Given the open-ended nature of the project, 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: Not Applicable

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service	\$7,926	
Total Cost	\$7,926	
Impact on Water and Sewer Rate	\$0.02	

F. Approval and Expenditure Data (000's)	
Date First in Program	FY'95
Date First Approved	FY'02
Initial Cost Estimate	
Cost Estimate Last FY	114,208
Present Cost Estimate	128,926
Approved Request Last FY	13,365
Total Expense & Encumbrances	
Approval Request Year 1	15,214

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