

Blue Plains WWTP: Plant-wide Projects

A. Identification and Coding Information			PDF Date	October 1, 2021	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'21	Estimate FY'22	Total 6 Years	Year 1 FY'23	Year 2 FY'24	Year 3 FY'25	Year 4 FY'26	Year 5 FY'27	Year 6 FY'28	Beyond 6 Years
Planning, Design & Supervision											
Land											
Construction	113,078		9,793	89,473	13,233	18,796	24,310	13,735	7,584	11,815	13,812
Other	1,130		98	894	132	188	243	137	76	118	138
Total	114,208		9,891	90,367	13,365	18,984	24,553	13,872	7,660	11,933	13,950

C. Funding Schedule (000's)

WSSC Bonds	107,939		9,348	85,407	12,631	17,942	23,205	13,111	7,240	11,278	13,184
City of Rockville	6,269		543	4,960	734	1,042	1,348	761	420	655	766

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 29 DC Water capital program projects covered by the WSSC Water capital project. Current projects include: electrical system upgrades (TZ); floodwall construction (JF); plant-side 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'22 Capital Improvements Program.

COST CHANGE

Cost increases are attributed to upgrades to the electrical monitoring systems (IC) and electrical switchgear (TZ).

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	\$6,242	
Total Cost	\$6,242	
Impact on Water and Sewer Rate	\$0.01	

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	100,521
Present Cost Estimate	114,208
Approved Request Last FY	9,891
Total Expense & Encumbrances	
Approval Request Year 1	13,365

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

