

Blue Plains WWTP: Biosolids Management, 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 - 000022.07	954812	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	75,554		11,234	53,624	15,169	12,284	10,382	7,225	5,802	2,762	10,696
Other	757		113	537	152	123	104	72	58	28	107
Total	76,311		11,347	54,161	15,321	12,407	10,486	7,297	5,860	2,790	10,803

C. Funding Schedule (000's)

WSSC Bonds	72,122		10,724	51,188	14,480	11,726	9,910	6,896	5,539	2,637	10,210
City of Rockville	4,189		623	2,973	841	681	576	401	321	153	593

D. Description & Justification

<p>DESCRIPTION</p> <p>This project provides funding for WSSC Water's share of the Blue Plains bio-solids handling projects for which construction began after June 30, 1993. Current projects include: Gravity Thickener Facility upgrades (BX); Bio-solids Blending Development Center (I3); Solids Processing Building/De-watered Sludge Loading Facility (XZ); and, planned rehabilitation of solids processing equipment and facilities (RM).</p> <p>JUSTIFICATION</p> <p>This project is needed to implement a set of facilities which will provide a permanent bio-solids management program for Blue Plains. The Blue Plains Inter-municipal Agreement of 2012; the DCWASA Master Plan (1998); EPMC IV Facility Plan, CH2MHILL (2001); the Bio-solids Management at DCWASA Blue Plains Wastewater Treatment Plant Phase II - Design and Cost Considerations for Treatment Alternatives Report (December 2007); Blue Plains Facilities Master Plan (2016); and the DC Water Approved FY2021 Capital Improvement Program.</p> <p>COST CHANGE</p> <p>Not applicable.</p> <p>OTHER</p> <p>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. Portions of the program have been financed by low interest loans through the Maryland Department of the Environment's Water Quality Administration State Revolving Loan Program. 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	\$4,692	
Total Cost	\$4,692	
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 95
Initial Cost Estimate	
Cost Estimate Last FY	75,220
Present Cost Estimate	76,311
Approved Request Last FY	11,347
Total Expense & Encumbrances	
Approval Request Year 1	15,321

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