

Resolution No:	<u>17-155</u>
Introduced:	<u>May 26, 2011</u>
Adopted:	<u>May 26, 2011</u>

**COUNTY COUNCIL  
FOR MONTGOMERY COUNTY, MARYLAND**

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By: County Council

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**SUBJECT:** Approval of the FY12-17 Capital Improvements Program for the Washington Suburban Sanitary Commission

**Background**

1. As required by Md. Code Ann., Pub. Util. §23-304, before October 1 of each year, the Washington Suburban Sanitary Commission (WSSC) must prepare and submit to the County Executive and County Council of Montgomery County a 6-year Capital Improvements Program (CIP) for water and sewer facilities.
2. On September 29, 2010, WSSC transmitted its Proposed CIP for Fiscal Years 2012-2017.
3. On January 14, 2011, the County Executive transmitted his recommendations regarding the FY 2012-2017 WSSC CIP.
4. On January 19, 2011, WSSC transmitted a mid-cycle update to its Proposed CIP for Fiscal Years 2012-2017. This update included proposed changes to six CIP projects.
5. Md. Code Ann., Pub. Util. §23-306 authorizes the Council to approve, disapprove, or modify the WSSC CIP.
6. Md. Code Ann., Pub. Util. §23-305 requires that before final action on the WSSC CIP is taken, public hearings must be held on the Program. The Council held public hearings on the CIP on February 8, 2011.
7. The Council considered the recommendations of the Executive and the Montgomery County Planning Board with respect to the CIP and reviewed the project description forms.
8. The Council recognizes that the information and documentation contained in the CIP is an integral part of the Comprehensive Water Supply and Sewerage Systems Plan which must be submitted to the State Department of the Environment in accordance with Section 9-501 et seq. of the Environment Article of the Maryland Code.

9. On May 12, 2011, the Montgomery County and Prince George's County Councils jointly reviewed their respective proposed additions to, deletions from, increases to, and decreases in the WSSC capital and operating budgets and further considered all proposed changes. The Councils agree on changes to the WSSC Proposed CIP.

**Action**

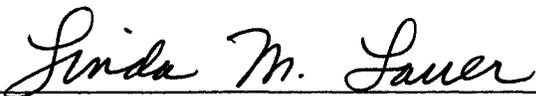
The County Council for Montgomery County, Maryland approves the following resolution for the Washington Suburban Sanitary Commission:

1. The Council approves the projects in the WSSC Proposed CIP for FY12-17 as transmitted on September 29, 2010, except those projects which are approved as modified by the Montgomery and Prince George's County Councils. Amended project description forms are attached to this resolution and are identified by the following WSSC project numbers:

S-22.06, S-22.07, S-22.08, S-22.09, S-22.10, S-22.11

2. The Council approves the close out of the projects in Part I.

This is a correct copy of Council action.

  
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Linda M. Lauer, Clerk of the Council

**A. Identification and Coding Information**

1. Project Number	Agency Number	Update Code
954811	S-22.06	Change

2. Date: October 1, 2010  
 Revised: January 19, 2011

3. Project Name: Blue Plains WWTP: Liquid Train Projects, Part 2  
 4. Program: **Sanitation**  
 5. Agency: **WSSC**  
 6. Planning Area: Bi-County

**E. Annual Operating Budget Impact (000's)** FY of Impact

Program Costs	Staff .....	.....
	Other .....	.....
Facility Costs	Maintenance .....	.....
	Debt Service .....	21498
Total Costs.....		21498
Impact on Water or Sewer Rate.....		46¢

**B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '10	(10) Estimate FY '11	(11) Total 6 Years	(12) Year 1 FY '12	(13) Year 2 FY '13	(14) Year 3 FY '14	(15) Year 4 FY '15	(16) Year 5 FY '16	(17) Year 6 FY '17	(18) Beyond 6 Years
Planning, Design & Supervision	<b>50,592</b>	39,269	1,500	<b>8,429</b>	2,135	1,267	1,401	1,185	1,029	1,412	1,394
Land											
Site Improvements & Utilities											
Construction	<b>209,845</b>	179,571	2,067	<b>22,873</b>	7,225	6,398	2,597	801	922	4,930	5,334
Other	<b>417</b>		36	<b>314</b>	94	77	40	20	20	63	67
<b>Total</b>	<b>260,854</b>	<b>218,840</b>	<b>3,603</b>	<b>31,616</b>	<b>9,454</b>	<b>7,742</b>	<b>4,038</b>	<b>2,006</b>	<b>1,971</b>	<b>6,405</b>	<b>6,795</b>

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 95
Date First Approved	FY 95
Initial Cost Estimate	69,745
Cost Estimate Last FY	240,383
Present Cost Estimate	260,854
Approved Request, Last FY	2,834
Total Expenditures & Encumbrances	218,840
Approval Request FY 12	9,454
Supplemental Approval Request Current FY (11)	

**C. Funding Schedule (000's)**

	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
WSSC Bonds	<b>246,534</b>	206,827	3,405	<b>29,880</b>	8,935	7,317	3,816	1,896	1,863	6,053	6,422
City of Rockville	<b>14,320</b>	12,013	198	<b>1,736</b>	519	425	222	110	108	352	373

**D. Description & Justification**

**DESCRIPTION**

This project provides funding for WSSC's share of Blue Plains liquid train projects for which construction began after June 30, 1993. Major projects include: Filtration and Disinfection Rehabilitation; and Dual Purpose Sedimentation Basins Rehabilitation.

**Service Area** Bi-County Area **Capacity** 370 MGD

**JUSTIFICATION**

**Plans & Studies**  
 The Blue Plains Intermunicipal Agreement of 1985; the DCWASA Master Plan (1998); and the DCWASA Approved FY 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

**Specific Data**  
 This is a continuation of the DCWASA's upgrading of the Blue Plains Wastewater Treatment Plant.

**Cost Change**  
 Cost increase is primarily due to revised higher estimates for the Primary Treatment Facilities Phase II Upgrade and Grit Chamber Phase II Upgrade projects and the addition of the new Raw Wastewater Pumping Station No.2 Upgrade project.

**STATUS** Not Applicable

**OTHER**  
 The project scope has remained the same. Project costs are derived from the DCWASA Capital & Operating Budget 10-year forecast of spending and DCWASA's latest project management data, and fully reflect DCWASA'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**  
 City of Rockville (responsible for a share of funding), District of Columbia Water & Sewer Authority (responsible for design and construction) and WSSC Projects S-22.08, Blue Plains WWTP: Biological Nutrient Removal and S-22.10, Blue Plains WWTP: Enhanced Nutrient Removal.

**NOTE** This project supports 100% System Improvement.

**G. Status Information**

Land Status: Not applicable  
 % Project Completion: On-Going  
 Est. Completion Date: On-Going

**H. Map Map Reference Code:**

**MAP NOT AVAILABLE**

7-178

**A. Identification and Coding Information**

1. Project Number	Agency Number	Update Code
954812	S-22.07	Change

2. Date: October 1, 2010

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised: January 19, 2011

3. Project Name: Blue Plains WWTP: Biosolids Management, Part 2

5. Agency: **WSSC**

4. Program: **Sanitation** 6. Planning Area: Bi-County

**B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '10	(10) Estimate FY '11	(11) Total 6 Years	(12) Year 1 FY '12	(13) Year 2 FY '13	(14) Year 3 FY '14	(15) Year 4 FY '15	(16) Year 5 FY '16	(17) Year 6 FY '17	(18) Beyond 6 Years
Planning, Design & Supervision	<b>75,551</b>	46,408	11,080	<b>18,010</b>	7,032	5,549	4,260	622	312	235	53
Land											
Site Improvements & Utilities											
Construction	<b>262,648</b>	69,836	15,121	<b>177,682</b>	54,921	82,401	32,696	4,990	2,521	153	9
Other	<b>2,221</b>		262	<b>1,958</b>	620	880	370	56	28	4	1
<b>Total</b>	<b>340,420</b>	<b>116,244</b>	<b>26,463</b>	<b>197,650</b>	<b>62,573</b>	<b>88,830</b>	<b>37,326</b>	<b>5,668</b>	<b>2,861</b>	<b>392</b>	<b>63</b>

**C. Funding Schedule (000's)**

WSSC Bonds	<b>321,733</b>	109,863	25,010	<b>186,800</b>	59,138	83,954	35,277	5,357	2,704	370	60
City of Rockville	<b>18,687</b>	6,381	1,453	<b>10,850</b>	3,435	4,876	2,049	311	157	22	3

**D. Description & Justification**

**DESCRIPTION**

This project provides funding for WSSC's share of the Blue Plains biosolids handling projects for which construction began after June 30, 1993. Major projects include: new digestion facilities; gravity and centrifuge thickener facilities; area electrical substation #6; and solids processing building/dewatered sludge loading facility.

Service Area Bi-County Area

Capacity 370 MGD

**JUSTIFICATION**

**Plans & Studies**

The Blue Plains Intermunicipal Agreement of 1985; the DCWASA Master Plan (1998); EPMC IV Facility Plan (CH2MHILL, 2001); the Biosolids Management at DCWASA Blue Plains Wastewater Treatment Plant Phase II - Design and Cost Considerations for Treatment Alternatives Report (December 2007); and the DCWASA Approved FY 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

**Specific Data**

This project is needed to implement a set of facilities which will provide a permanent biosolids management program for Blue Plains.

**Cost Change**

Cost decrease is primarily due to refined estimates as the Anaerobic Digesters, Centrifuge Thickening Facilities, and Area Substation No. 6 projects progress through design.

**STATUS** Not Applicable

**OTHER**

The project scope has remained the same. Project costs are derived from the DCWASA Capital & Operating Budget 10-year forecast of spending and DCWASA's latest project management data, and fully reflect DCWASA'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**

City of Rockville (responsible for a share of funding) and District of Columbia Water & Sewer Authority (responsible for design and construction).

**NOTE** This project supports 100% System Improvement.

**E. Annual Operating Budget Impact (000's)**

FY of Impact

Program Costs	Staff .....	.....
	Other .....	.....
Facility Costs	Maintenance .....	.....
	Debt Service .....	28055 .....
Total Costs.....		28055 .....
Impact on Water or Sewer Rate.....		61¢ .....

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 95
Date First Approved	FY 95
Initial Cost Estimate	77,296
Cost Estimate Last FY	360,331
Present Cost Estimate	340,420
Approved Request, Last FY	38,980
Total Expenditures & Encumbrances	116,244
Approval Request FY 12	62,573
Supplemental Approval Request Current FY (11)	

**G. Status Information**

Land Status:	Not applicable
% Project Completion:	On-Going
Est. Completion Date:	On-Going

**H. Map Map Reference Code:**

**MAP NOT AVAILABLE**

7-179

**A. Identification and Coding Information**

1. Project Number: 973817    Agency Number: S-22.08    Update Code: Change

2. Date: October 1, 2010    Revised: January 19, 2011

3. Project Name: Blue Plains WWTP: Biological Nutrient Removal

4. Program: Sanitation    6. Planning Area: Bi-County

5. Agency: **WSSC**

7. Pre PDF Pg.No.:    8. Req. Adeq. Pub. Fac.:

**E. Annual Operating Budget Impact (000's)**    FY of Impact

Program Costs	Staff .....	.....	
	Other .....	.....	
Facility Costs	Maintenance .....	.....	
	Debt Service .....	3472	17
<b>Total Costs</b> .....		3472	17
Impact on Water or Sewer Rate.....		7¢	17

**B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '10	(10) Estimate FY '11	(11) Total 6 Years	(12) Year 1 FY '12	(13) Year 2 FY '13	(14) Year 3 FY '14	(15) Year 4 FY '15	(16) Year 5 FY '16	(17) Year 6 FY '17	(18) Beyond 6 Years
Planning, Design & Supervision	18,470	14,223	1,758	2,489	1,279	1,128	82				
Land											
Site Improvements & Utilities											
Construction	65,559	46,243	2,214	17,102	6,903	8,219	981	644	355		
Other	236		40	196	82	93	11	6	4		
<b>Total</b>	<b>84,265</b>	<b>60,466</b>	<b>4,012</b>	<b>19,787</b>	<b>8,264</b>	<b>9,440</b>	<b>1,074</b>	<b>650</b>	<b>359</b>		

**C. Funding Schedule (000's)**

WSSC Bonds	39,819	28,573	1,896	9,350	3,905	4,461	508	307	169		
State Aid	42,133	30,233	2,006	9,894	4,132	4,720	537	325	180		
City of Rockville	2,313	1,660	110	543	227	259	29	18	10		

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 96
Date First Approved	FY 96
Initial Cost Estimate	12,189
Cost Estimate Last FY	81,051
Present Cost Estimate	84,265
Approved Request, Last FY	7,506
Total Expenditures & Encumbrances	60,466
Approval Request FY 12	8,264
Supplemental Approval Request Current FY (11)	

**D. Description & Justification**

**DESCRIPTION**

This project provides funding for WSSC's share of the Blue Plains Biological Nutrient Removal Pilot Project and BNR Permanent Facility design and construction. The project includes modifications to the nitrification basins, methanol storage and feed facilities, a control building, addition of fine bubble diffusers, and improvements to the nitrification facilities (Phase II). This project is stipulated in the 1995 Consent Decree signed by the District of Columbia and the United States Department of Justice.

**Service Area** Bi-County Area    **Capacity** 370 MGD

**JUSTIFICATION**

**Plans & Studies**  
Porter, MacNamee & Seely Study (1992); Civil Action No. 90-163; Civil Action No. 84-2842 JGP; the DCWASA Master Plan (1998); and the DCWASA Approved FY 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

**Specific Data**  
The initial \$12.1 million Pilot Project was planned as a phased, four year, half-plant trial. For the Pilot, portions of the nitrification basins were converted to anoxic zones with methanol added as the carbon source. After the Pilot Project proved successful in the first two years, the third and fourth years were not required and the design and construction of permanent BNR facilities commenced. The Consent Decree acknowledged that applying this technology was experimental.

**Cost Change**  
Cost increase is based upon actual expenditure data as projects progress through construction.

**STATUS** Under Construction

**OTHER**  
The project scope has remained the same. The expenditure schedule shown above reflects the cost of permanent BNR facilities as required under the Consent Decree. Phase I and portions of Phase II are complete. The Maryland Department of the Environment (MDE) has, by agreement, committed to providing 50% grant funding for eligible costs.

**COORDINATION**  
City of Rockville (responsible for a share of funding), Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction).

**NOTE** This project supports 100% Environmental Regulation.

**G. Status Information**

Land Status: Not applicable  
% Project Completion: C-90%  
Est. Completion Date: FY 2016

**H. Map    Map Reference Code:**

**MAP NOT AVAILABLE**

7-180

**A. Identification and Coding Information**

1. Project Number: 023805    Agency Number: S-22.09    Update Code: Change

2. Date: October 1, 2010    Revised: January 19, 2011

3. Project Name: Blue Plains WWTP: Plant-wide Projects

4. Program: Sanitation    5. Agency: WSSC    6. Planning Area: Bi-County

7. Pre PDF Pg.No.:    8. Req. Adeq. Pub. Fac.

**E. Annual Operating Budget Impact (000's)**    FY of Impact

Program Costs	Staff .....	....
	Other .....	....
Facility Costs	Maintenance .....	....
	Debt Service .....	16381 .....
Total Costs.....		16381 .....
Impact on Water or Sewer Rate.....		35¢ .....

**B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '10	(10) Estimate FY '11	(11) Total 6 Years	(12) Year 1 FY '12	(13) Year 2 FY '13	(14) Year 3 FY '14	(15) Year 4 FY '15	(16) Year 5 FY '16	(17) Year 6 FY '17	(18) Beyond 6 Years
Planning, Design & Supervision	47,252	40,874	1,192	4,186	1,134	868	398	387	450	949	1,000
Land											
Site Improvements & Utilities											
Construction	151,003	105,982	9,776	25,552	6,520	9,149	4,847	2,933	1,451	652	9,693
Other	514		110	297	77	100	52	33	19	16	107
<b>Total</b>	<b>198,769</b>	<b>146,856</b>	<b>11,078</b>	<b>30,035</b>	<b>7,731</b>	<b>10,117</b>	<b>5,297</b>	<b>3,353</b>	<b>1,920</b>	<b>1,617</b>	<b>10,800</b>

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 95
Date First Approved	FY 02
Initial Cost Estimate	84,650
Cost Estimate Last FY	179,915
Present Cost Estimate	198,769
Approved Request, Last FY	9,784
Total Expenditures & Encumbrances	146,856
Approval Request FY 12	7,731
Supplemental Approval Request Current FY (11)	

**C. Funding Schedule (000's)**

	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
WSSC Bonds	187,859	138,795	10,470	28,387	7,307	9,562	5,006	3,169	1,815	1,528	10,207
City of Rockville	10,910	8,061	608	1,648	424	555	291	184	105	89	593

**G. Status Information**

Land Status:	Not applicable
% Project Completion:	On-Going
Est. Completion Date:	On-Going

**D. Description & Justification**

**DESCRIPTION**

This project provides funding for WSSC's share of Blue Plains plant-wide projects for which construction began after June 30, 1993. Major projects include: Process Control Computer Systems; Electrical Power Systems Additions, Phases I & II; High Priority Rehabilitation Program; and Plant-wide Fine Bubble Aeration Conversion.

**Service Area** Bi-County Area    **Capacity** 370 MGD

**JUSTIFICATION**

**Plans & Studies**  
The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); and the DCWASA Approved FY 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

**Specific Data**  
This is a continuation of the DCWASA's upgrading of the Blue Plains Wastewater Treatment Plant.

**Cost Change**  
Cost increase primarily due to additions to Miscellaneous Facilities Upgrades, and new Warehouse Facility, and new Central Office Facility and Central Maintenance Facility Upgrades projects.

**STATUS** Not Applicable

**OTHER**  
The project scope has remained the same. Project costs are derived from the DCWASA Capital & Operating Budget 10-year forecast and latest project management data, and reflect DCWASA'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**  
City of Rockville (responsible for a share of funding) and District of Columbia Water & Sewer Authority (responsible for design and construction).

**NOTE** This project supports 100% System Improvement.

**H. Map    Map Reference Code:**

MAP NOT AVAILABLE

7-181

**A. Identification and Coding Information**

1. Project Number: 083800    Agency Number: S-22.10    Update Code: Change

2. Date: October 1, 2010    Revised: January 19, 2011

3. Project Name: Blue Plains WWTP: Enhanced Nutrient Removal

4. Program: Sanitation    5. Agency: WSSC

6. Planning Area: Bi-County

7. Pre PDF Pg.No.:    8. Req. Adeq. Pub. Fac.:

**E. Annual Operating Budget Impact (000's)**    FY of Impact

Program Costs	Staff .....	....
	Other .....	....
Facility Costs	Maintenance .....	....
	Debt Service .....	16273
Total Costs.....		16273
Impact on Water or Sewer Rate.....		35¢

**B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '10	(10) Estimate FY '11	(11) Total 6 Years	(12) Year 1 FY '12	(13) Year 2 FY '13	(14) Year 3 FY '14	(15) Year 4 FY '15	(16) Year 5 FY '16	(17) Year 6 FY '17	(18) Beyond 6 Years
Planning, Design & Supervision	79,592	11,850	12,490	51,983	14,749	13,891	11,223	5,466	3,434	3,220	3,269
Land											
Site Improvements & Utilities											
Construction	322,279	1,109	11,210	308,059	45,726	64,470	67,800	36,928	52,669	40,466	1,901
Other	3,890		237	3,601	605	784	790	424	561	437	52
<b>Total</b>	<b>405,761</b>	<b>12,959</b>	<b>23,937</b>	<b>363,643</b>	<b>61,080</b>	<b>79,145</b>	<b>79,813</b>	<b>42,818</b>	<b>56,664</b>	<b>44,123</b>	<b>5,222</b>

**C. Funding Schedule (000's)**

	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
WSSC Bonds	186,615		6,894	175,336	12,202	27,203	29,370	20,332	48,885	37,344	4,385
State Aid	208,306	12,959	16,642	178,122	48,170	50,362	48,738	21,304	4,939	4,609	583
City of Rockville	10,840		401	10,185	708	1,580	1,705	1,182	2,840	2,170	254

**D. Description & Justification**

**DESCRIPTION**

This project provides funding for WSSC's share of the Blue Plains Enhanced Nutrient Removal projects required to achieve nutrient removal to levels below BNR levels to meet the Chesapeake Bay water quality targets determined in the 2005 Tributary Strategy process. Sub-projects include: Nitrogen Removal Facilities, Centrate Treatment, Enhanced Clarification Facility, and Blue Plains Tunnel and Dewatering Pumping Station.

**Service Area** Bi-County Area    **Capacity** 370 MGD

**JUSTIFICATION**

**Plans & Studies**  
Chesapeake Bay Program Tributary Strategies Process (2005); Blue Plains Strategic Process Study, Metcalf & Eddy (2005); Selection of the Enhanced Nitrogen Removal Process Alternative for the Blue Plains Advanced Wastewater Treatment Facility, Metcalf & Eddy (2009); DCWASA Approved FY 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

**Specific Data**  
The funding schedule reflects the final cost sharing agreement with the Maryland Department of the Environment.

**Cost Change**  
Cost decrease is due to refinement of cost estimates as the projects progress through design.

**STATUS** Under Construction (WSSC Contract Nos. CB4168L05 , CB4168Q05).

**OTHER**  
The project scope has remained the same. Project costs are derived from the DCWASA Capital & Operating Budget 10-year forecast and latest project management data, and reflect DCWASA's current expenditure estimates and schedules.

**COORDINATION**  
Maryland Department of the Environment, U.S. Environmental Protection Agency, Region III and District of Columbia Water & Sewer Authority (responsible for design and construction).

**NOTE** This project supports 100% Environmental Regulation.

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 08
Date First Approved	FY 07
Initial Cost Estimate	648
Cost Estimate Last FY	432,673
Present Cost Estimate	405,761
Approved Request, Last FY	34,982
Total Expenditures & Encumbrances	12,959
Approval Request FY 12	61,080
Supplemental Approval Request Current FY (11)	

**G. Status Information**

Land Status: Not Applicable

% Project Completion: C-8%

Est. Completion Date: FY 2019

**H. Map    Map Reference Code:**

MAP NOT AVAILABLE

7-182

**A. Identification and Coding Information**

1. Project Number	Agency Number	Update Code
113804	S-22.11	Change

2. Date: October 1, 2010

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised: January 19, 2011

3. Project Name: Blue Plains: Pipelines & Appurtenances

5. Agency: **WSSC**

4. Program: **Sanitation** 6. Planning Area: Bi-County

**B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '10	(10) Estimate FY '11	(11) Total 6 Years	(12) Year 1 FY '12	(13) Year 2 FY '13	(14) Year 3 FY '14	(15) Year 4 FY '15	(16) Year 5 FY '16	(17) Year 6 FY '17	(18) Beyond 6 Years
Planning, Design & Supervision	<b>23,179</b>	3,405	3,442	<b>12,242</b>	2,787	1,428	1,222	1,923	2,207	2,675	4,090
Land											
Site Improvements & Utilities											
Construction	<b>71,906</b>	13,266	5,055	<b>48,461</b>	7,252	11,059	7,983	7,811	6,892	7,464	5,124
Other	<b>783</b>		85	<b>606</b>	100	125	92	97	91	101	92
<b>Total</b>	<b>95,868</b>	<b>16,671</b>	<b>8,582</b>	<b>61,309</b>	<b>10,139</b>	<b>12,612</b>	<b>9,297</b>	<b>9,831</b>	<b>9,190</b>	<b>10,240</b>	<b>9,306</b>

**C. Funding Schedule (000's)**

WSSC Bonds	<b>90,606</b>	15,756	8,111	<b>57,944</b>	9,582	11,920	8,787	9,291	8,686	9,678	8,795
City of Rockville	<b>5,262</b>	915	471	<b>3,365</b>	557	692	510	540	504	562	511

**D. Description & Justification**

**DESCRIPTION**

This project provides funding for WSSC's share of Blue Plains-associated projects which are "outside the fence" of the treatment plant. Major projects include: Potomac Interceptor Rehabilitation; Upper Potomac Interceptor; Potomac Sewage Pumping Station Rehabilitation; Influent Sewers Rehabilitation; and the new projects associated with the Combined Sewer Overflow (CSO) Long Term Control Plan (e.g. Anacostia Tunnel).

**Service Area** Bi-County Area

**Capacity** Various

**JUSTIFICATION**

**Plans & Studies**

The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); and the DCWASA Approved FY 2010 - FY 2019 Capital Improvement Program (February 3, 2011).

**Specific Data**

This is a continuation of DCWASA's upgrading of the Blue Plains-associated projects outside the fence.

**Cost Change**

Cost decrease is due to refinement of cost estimates as the projects progress through design and construction.

**STATUS** Not Applicable

**OTHER**

The project scope has remained the same. Project costs are derived from the DC-WASA Capital & Operating Budget 10-year forecast and latest project management data, and reflect WASA'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**

City of Rockville (responsible for a share of funding) and District of Columbia Water & Sewer Authority (responsible for design and construction).

**NOTE** This project supports 45% System Improvement and 55% Environmental Regulation.

**E. Annual Operating Budget Impact (000's)**

FY of Impact

Program Costs	Staff .....	....
	Other .....	....
Facility Costs	Maintenance .....	....
	Debt Service .....	7901 ....
<b>Total Costs</b> .....		7901 ....
<b>Impact on Water or Sewer Rate</b> .....		17¢ ....

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 11
Date First Approved	FY 02
Initial Cost Estimate	102,833
Cost Estimate Last FY	102,833
Present Cost Estimate	95,868
Approved Request, Last FY	9,331
Total Expenditures & Encumbrances	16,671
Approval Request FY 12	10,139
Supplemental Approval Request Current FY (11)	

**G. Status Information**

Land Status: Not Applicable  
 % Project Completion: On-Going  
 Est. Completion Date: On-Going

**H. Map Map Reference Code:**

**MAP NOT AVAILABLE**

7-183

PART I: WASHINGTON SUBURBAN SANITARY COMMISSION  
CAPITAL PROJECTS TO BE CLOSED OUT

The Washington Suburban Sanitary Commission has authorized the close out of the following projects.

<u>COUNTY NUMBER</u>	<u>CATEGORY</u>	<u>PROJECTS</u>
964860	Montgomery County	Clarksburg Town Center Water Main
973820	Montgomery County	Rock Creek Wastewater Facilities
093804	Bi-County	Sewer Basin Planning Program