Resolution No:	16-976
Introduced:	May 21, 2009
Adopted:	May 21, 2009

COUNTY COUNCIL FOR MONTGOMERY COUNTY, MARYLAND

By: County Council

SUBJECT: Approval of the FY10-15 Capital Improvements Program for the Washington Suburban Sanitary Commission

Background

- 1. As required by Article 29, Sections 7-101, 7-103, and 7-104 of the Maryland Code, 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 October 1, 2008, WSSC transmitted its Proposed CIP for Fiscal Years 2010-2015.
- 3. On January 15, 2009, the County Executive transmitted his recommendations regarding the FY 2010-2015 WSSC CIP.
- 4. On January 21, 2009, WSSC transmitted a mid-cycle update to its Proposed CIP for Fiscal Years 2010-2015. This update included proposed changes to 20 CIP projects and 4 information only projects.
- 5. Article 29, Section 7-105(d)(1) authorizes the Council to approve, disapprove, or modify the WSSC CIP.
- 6. Article 29, Section 7-105(b)(1) 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 10, 2009.
- 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 7, 2009, 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 capital and operating budgets.

<u>Action</u>

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

 The Council approves the projects in the WSSC Proposed CIP for FY10-15 as transmitted on October 1, 2009, except those projects which are approved as modified by the Montgomery and Prince George's County Councils. Revised project description forms for the Prince George's County projects are included in the Prince George's County resolution approving the WSSC Proposed CIP for FY10-15. Amended project description forms for the Montgomery County and Bi-County projects are attached to this resolution and are identified by the following WSSC project numbers:

W-3.02, W-73.16, W-73.30, W-138.02, W172.05, W-172.07, W-172.08, S-22.06, S-22.07, S-22.08, S-22.09, S-22.10, S-89.22, S-89.23, S-94.11, W-1.00, S-1.01, A-102.00, A-103.01

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

This is a correct copy of Council action.

Enda Mr. Laver

Linda M. Lauer, Clerk of the Council

A. Identification and Co	oding Informa	ation		2. Dat	e: Octob	per 1, 200		7. Pre PD	F Pg.No.;	8. Req.	Adeq. Pu	ib. Fac.	E. Annual Operating Budget Impact (0	00's)	FY of Impa	ict
1. Project Number Agen 063801 W-3.	ncy Number	Update Change	Code	Revis	ed: Janu	ary 21, 24	009						Program Costs Staff		•••• ••••	
3. Project Name: Olney 4. Program: Sanitz	Standpipe Re ation 6.	piaceme Planning	nt 9 Area:	 Oiney	& Vicinity	P.A. 23		5.Agency:	W	SSC			Total Costs Maintenerce Debt Service Total Costs	397 397	1 1 1	4
В.			6	xpenditu	re Sched	ule (000'	5)						F. Approval and Expenditure Data (00)'s)		_
Cost Elements		(8) Total	(9) Thru FY '08	(10) Estimate FY '09	(11) Tota 6 Years	(12) Year 1 FY '10	(13) Year 2 FY '11	(14) Year 3 FY '12	(15) Year 4 FY '13	(16) Year 5 FY '14	(17) Year 6 FY '15	(18) Beyond 6 Years	Date First In Capital Program		FY 06	3]
Planning, Design & Supe	ervision	1,170	127	310	733	413	261	59					Date First Approved		FY 06	3
Land								1					Initial Cost Estimate		3,911]
Site Improvements & Uti	ilities				;								Cost Estimate Last FY		4,435	Ā.

Construction	2,808		2,808		550	1,990	268	1	
Other	578	4	7 531	62	122	307	40	1	1
Total	4,556	127 35	7 4,072	475	933	2,356	308		
C		Fundl	ng Schedul	e (000's)				 	
WSSC Bonds	4,558	127 35	7 4,072	475	933	2,356	308		

D. Description & Justification

DESCRIPTION

This project provides for the community outreach, planning, site selection, design, and construction of up to 1.0 million gallons (MG) of elevated storage to serve the Olney area. Demolition of the existing Olney Standpipe is part of this project.

Service Area Montgomery High Pressure Zone HG660

Capacity 1.0 MG

JUSTIFICATION

Plans & Studies

Montgomery County High Zone Facility Plan, Boyle Engineering (1991); WSSC Memorandum from Jeff Asner to Karen Wright dated March 22, 2004; Water Storage Volume Criteria Report (November 2005).

Specific Data

The efforts of the Systems Control Group have improved the minimum chlorine residual concentrations and appear to have lowered the THM concentrations in the distribution system. However, these efforts still leave the Olney area with troublesome chlorine residuals and result in low-pressure complaints during the drawdown efforts. The existing Olney Standpipe with 1.8 MG of non-usable storage requires constant attention to maintain acceptable water quality.

Cost Change

Costs were increased for inflation.

STATUS Facility Planning (WSSC Contract No. BE4473A06,).

OTHER

The project scope has remained the same. Expenditures shown are planning level estimates only and may change depending on sitespecific conditions and design constraints.

COORDINATION

Montgomery County Government and Maryland-National Capital Park & Planning Commission (anticipates receiving Mandatory Referral submissions from WSSC as the project reaches the preliminary design stage).

NOTE This project supports 100% System Improvement.

Facility Costs Maintena Debt Ser Total Costs	vice Vice	397 397		14
F. Approval and Expend	Iture Data (00	0's)		
Date First In Capital Progr	am			FY 06
Date First Approved				FY 06
Initial Cost Estimate				3,911
Cost Estimate Last FY				4,435
Present Cost Estimate				4,556
Approved Request, Last F	Y		_	383
Total Expenditures & Encu	umbrances			127
Approval Request FY 10				475
Supplemental Approval Re Current FY (09)	equest			
G. Status Information				
Land Status:	Not determine	bq		
% Project Completion:	P-5%			

H. Map Map Reference Code:

Est. Completion Date:



FY 2013

A Identification and Coding Info	rmation						7. Pre PD	F Pa.No.:	8. Reg.	Adea, P	ub. Fac.	E. Annual Operating Budget Impact (000's)	FY of Impact
1. Project Number Agency Number	r Update	Code	2. Da		Del 1, 200	55 [, T	<u>'</u>		Program Costs Staff	
033811 W-73.16	Change	 Ə	- Revis	sed: Janu	ary 21, 20	009 L	•				_ J	Other	••
3. Project Name: Potomac WFP In	mprovemen	its				:	5.Agency	: w	ssc			Debt Service	
4. Program: Sanitation	6. Plannir	ng Area:	Bi-Co	ounty								Total Costs	12
		-										Impact on Water or Sewer Rate 16¢	12
В.			Expendit	ure Schei	dule (000'	s)	·					F. Approval and Expenditure Data (000's)	
	(8)	(9) Thai	(10) Estimate	(11) Total	(12) Year 1	(13) Vear 2	(14) Year 3	(15) Year 4	(16) Year 5	(17) Year 6	(18) Beyond	Data Eirat in Capital Program	EX 04
Cost Elements	Total	FY '08	FY '09	6 Years	FY '10	FY '11	FY 12	FY '13	FY '14	FY '15	6 Years		
Planning, Design & Supervision	22,182	17,780	2,402	2,000	1,514	486						Date First Approved	FT 03
Land												Initial Cost Estimate	70,247
Site Improvements & Utilities							<u> </u>					Cost Estimate Last FY	134,150
Construction	105,146	56,548	24,500	24,098	18,248	5,850						Present Cost Estimate	132,628
Other	5,300		2,690	2,610	1,922	688			F		1	Approved Request, Last FY	32,230
Total	132,628	74,328	29,592	28,708	21,684	7,024		ļ	<u> </u>	<u> </u>	1	Total Expenditures & Encumbrances	74,328
C.	<u></u>	<u></u>	Funding	g Schedu	le (000's)	<u> </u>	<u> </u>	<u></u>	<u> </u>	<u></u>	<u> </u>	Approval Request FY 10	21,684
WSSC Bonds	91,513	51,286	20,418	19,809	14,962	4,847		1				Supplemental Approval Request	
SDC	41,115	23,042	9,174	8,899	· 6,722	2,177		1		<u> </u>		Current FY (09)	
construction of rapid mix/flow s a new backwash pumping stat method. Outdoor Substation N switchgear in the Finished Wa Service Area Bi-County Area JUSTIFICATION Plans & Studies WSSC Memorandum by Time (November, 2001); "Potomach Design Development Report (A Jernigan, Inc. (January, 2004); Specific Data These projects are part of the winter in order to meet the Apr sedimentation processes may Cost Change Not Applicable <u>STATUS</u> Under Construction (WS OTHER The project scope has remaine Maximum Price agreed to by C	splitting motion, and nervos, and nervos, and nervos, and atter Pumping a southy D. Hirrer WFP Facilit, August, 200 5 5 kV Switch program of a south second at the same at the same lark/Ullimar	difications w lime fee 4 were cou g Station. g Station. g Plan," C 3); "Poto hgear Imp Water Pr. in the futu t Nos. BF t. Expendo	s, pumping ed facilitie mpleted u 5, 2001; "1 D'Brien & 0 D'Brien & 0 D'Brien & 0 D'Brien & 0 D'Brien & 0 D'Brien & 0 Table & 0 mac WFF provemen nents need oduction / cure to incr	g station a s were pa inder a se Gere Engi Pimprover ts Design ded to reli Projection ease the t , BF2028 d scheduld M-at-Risk	nd ultravi ckaged as parate co Memoran ments De Developr ably produ s for the y otal plant H97).	olet disinf s one con ntract in c dum No. : c. (Septen sign Crite nent Repo uce 273 M year 2030 capacity ed upon a	ection fac tract usin order to e: 2," O'Brie nber, 200 ria Repor ort (Janua 1GD in th . Improve to meet p	cilities, rep g the CM- kpedite re 2); Potom t," Post, 1 ary, 2004) e summer ements to projected c	lacement at-Risk p placemen Engineer ac WFP I Buckley, 1 and 218 the flocco lemands.	: of MCC roject del t of the 5 s, Inc. mproven Schuh & MGD in 1 ulation ar	No. 1, ivery kV nents the nd	H. Map Map Reference Code:	
COORDINATION Monteometry County Covernme	ant Dringe (George's	Courty C	ovoreme	t Montes	man: Ca		utment of	Environa	ontal Dr	tection		
Maryland Department of the Er Environmental Resources and	wironment, WSSC Proj	Maryland ject W-17	Departm 2.05, Pati	ent of Nat uxent WFI	tural Resc P Phase I	urces, Pr Expansi	ince Geo on(coordi	rge's Cou nation of	nty Depa UV criteri	rtment of a).	Accion,		
NOTE This project supports 31%	% Growth. 4	9% Syste	em improv	vement ar	nd 20% Er	nvironmer	ntal Requ	lation.				·	

A Identification and Coding Inform	nation		2 01	to: Octo	her 1 20		7. Pre PDI	F Pg.No.:	8. Req.	Adeq. Pu	ıb. Fac.	E. Annual Operating Budget Impact (000's) FY of Imp	act
1. Project Number Agency Number	Update	Code	2. Ua		001 1, 20	5 0]	Program Costs Staff	
033812 W-73.30	Change		- Revis	sed: Janu	ary 21, 20	09 -						Other	1
3. Project Name: Potomac WFP Su	bmerged (Channel I	ntake			ŧ	5.Agency:	W	SSC			Debt Service	16
4. Program: Sanitation	6. Planning	g Area:	Bi-Co	ounty								Total Costs 2140	16
		•										Impact on Water or Sewer Rate 4¢	t6
B.			xpenditu	ure Sched	tule (000	's)						F. Approval and Expenditure Data (000's)	T
	(8)	(9)	(10)	(1.1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)		
Cost Elements	Total	FY '08	FY '09	6 Years	FY 10	FY '11	FY '12	FY '13	FY '14	FY '15	6 Years	Date First in Capital Program	<u> </u>
Planning, Design & Supervision	5,105	1,687	400	3,018		1,470	1,000	299	175	74		Date First Approved FY ()3
Land												Initial Cost Estimate 93	6
Site Improvements & Utilities												Cost Estimate Last FY 23,88	7
Construction	17,353			17,353		-	220	7,691	5,550	3,892		Present Cost Estimate 24,53	6
Other	2,078		40	2,038		147	122	799	573	397	1	Approved Request, Last FY 99	9
Total	24,536	1,687	- 440	22,409		1,617	1,342	8,789	6,298	4,363		Total Expenditures & Encumbrances 1.68	7
	<u>1</u>		Funding	Schedu	le (000's)	<u>.fi</u> I	<u> </u>		<u> </u>		<u>111</u>	Approval Request FY 10	∹,
WSSC Bonds	24.538	1.687	440	22,409		1.617	1.342	8,789	6.298	4,363			┛
					L						<u> </u>	Supplemental Approval Request	
D. Description & Justification													
DESCRIPTION												G. Status Information	
This project includes planning, v	which invol	ves comr	nunity out	treach and	d coordina	ation with	elected of	ficials, de	sign and	construct	ion of a	Land Status: Picht of Way may be required	
Submerged channel intake to pr	ovide an a		barrier ag liability ar	ainst grini d reduce	king wate	r contamir t conta by	nation (pa	rticularly v	Jiardia Cy	'sts and in with cla	anor	Cano Status. Right-or-way may be required	
more stable water quality.			naointy ai		treatmen	(00313 07	urawing i	rater non			aner,	Est Completion Date: EY 2015	
Service Area Bi-County Area													
JUSTIFICATION												H. Map Map Reference Code:	
Plans & Studies													
"Technical Memorandum No. 2 Water Assessment Study," Mar	Water Qua yland Depa	allty Need artment o	ls Assess f the Envi	ment," O'l ronment (Brien & G April, 200	ere Engin 2); "Potor	ieers, Inc. nac WFP	(Novemb Facility P	er, 2001) 'lan," O'Bi	; "Draft S rien & Ge	ource re		
Engineers, inc. (September, 200	02).												1
The project is expected to pay for	or itself ove	er time ba	ised upor	the redu	ced chem	lical and s	olids han	dlina cost	s resulting	from the	•		ĺ
cleaner raw water source. It als vegetation blocking the existing	o provides bank witho	for a mo drawal. T	re reliable his projec	e supply b at is consis	y eliminat stent with	ing the cu the indus	irrent prot try's recoi	nmended	oclated w multiple	ith ice an barrier ap	d proach.		
Cost Change													
Costs were increased for inflation	on.											WAF NOU AWAILADLE	i
STATUS Planning (WSSC Contract	t No. BF20	28F97,).											
OTHER													
The project scope has remained series of briefings with State leg prior to commencement of furthe environmental community memil participation program. Expendit completion of preliminary design must approve continuing with the	the same islators, Co er enginee bers, and t ures shown a, a more r e project b	. As part ounty Co- ring work he gener- n in Block eliable es efore des	of the pla uncil mem . Once th al public v & B are pla timate ca .ign and c	anning pha nbers, Cou ne project vill be eng anning lev in be mad constructio	ase of this unty Exec Is underw aged in a rel estima e. Both C in may pr	s project, : cutive staff vay, electe in on-goin tes only a councils wi oceed,	slgnlficani f and Cou ad officials g informa nd may ir ill review t	t outreach nty County , county g tion, outre icrease or he results	activities bil staff wi governme each and j r decreas s of the de	will occu Il be unde nt staffs, project e, Upon etailed stu	ir. A ertaken udy and		
) · · ·													

		_		-
D. DESCRIPTION & JUSTIFICATION (CON	IT.)			
Agency Number: W - 73.30	Project Name: Potomac WFP Submerged Channel Intake			1
COORDINATION		1		1
Montgomery County Government, Princ Environmental Protection, Maryland De and U.S. Army Corps of Engineers.	e George's County Government, National Park Service, Montgomery County Department of partment of the Environmental Resources			
<u>NOTE</u> This project supports 100% Syste	m Improvement.			ļ
		1		
				}
		1		
				{
			· ·	ļ
		1		1
			1	}
				{
		ſ		1
)
		1		1
				l
				[
				1
				1
		11		
				ĺ
				J
				1

,

A Identification and Coding Infor	mation	2. Date:	: Octob	 per 1, 200	8	7. Pre PDF	F Pg.No.	8, Req.	Adeq. Pu	ub. Fac.	E. Annual Operating Budget Impact (000's) FY or Impact
1. Project Number Agency Number	Update Code										Program Costs Staff
093801 W-138.02	Change	Revised	d: Janu	ary 21, 20)09 ·						Other
3. Project Name: Shady Grove Star	ndpipe Replacem	ent				5.Agency;	w	SSC			Debi Service
4. Program: Sanitation	6. Planning Area	Gailher	sburg &	Vicinity P	.A. 20						Total Costs 13
											Impact on Water or Sewer Rate 1¢ 13
В,		Expenditure	Sched	ule (000's	;)						F. Approval and Expenditure Data (000's)
	(8) (9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
Cost Elements	Total FY '0	3 FY '09 6	SYears	FY '10	FY '11	FY '12	FY '13	FY '14	FY '15	6 Years	Date First in Capital Program
Planning, Design & Supervision	515	124	391	70	178	143					Date First Approved FY 09
Land										1	Initial Cost Estimate 7,475
Site Improvements & Utilities											Cost Estimate Last FY 7,475
Construction	6,180		6,180	190	4,500	1,490					Present Cost Estimate 7,699
Other	1,004	19	985	39	701	245				<u>+</u>	Approved Request, Last FY
Total	7,699	143	7,556	299	5,379	1,878	arta Caratan atra tanan	et des	je dala s	and the second second	Total Expenditures & Encumbrances
	. <u>l</u>	<u>edica infilma</u>	in <u>de la de la</u>	(0001-)		ليت تصفحت ال		The second second	<u>1996 (199</u>	<u>Post tigtedet</u>	
C.	7 800	runding S	7 666	200	5 370	1 878		J		1	
				200		1,070		<u> </u>		<u></u>	Supplemental Approval Request
D. Description & Justification											
DESCRIPTION											G Status Information
This project provides for plannin	g, design, and co	nstruction of u	p to 3 m	illion gallo	ons (MG)	of elevate	ed storag	e to repla	ce the exi	isting	G. Status Monnation
Shady Grove Standpipe. This is	s in lieu of extensi	ve and costly r	maintena	ance for ti	he existir	ng facility v	which, be	cause of t	he large	volume	Land Status; Not Applicable
disinfectant residual and increas	a stanupipe as op es in undesirable	disinfectant by	v-produc	acinty, co rts	ninoutes	to water t	quality pr	opleins st	ich as ios	5 01	% Project Completion: P-0%
Service Area Montgomery His	the Pressure Zone	HG660	j produc	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Can	acity 3.	MG			
						•••					H. Map Map Reference Code:
Plans & Studies											ZUG
Water Storage Volume Criteria F	Report (Novembei	- 2005); 2006 \	Water Pi	roduction	Projectio	ons; WSS(C Memor	andum da	ited May	7,	
2007, from Karen Wright, Syster	ms Control Group	Leader; WSS	C Memo	randum o	lated Ma	y 24, 2007	7, from T	m Hirrel,	Planning	Group.	A DAMAGE STATES
Specific Data											BEALT THE REPORT OF
The existing 5 million gallon star	ndpipe is in need of	of extensive re	pairs es	timated to	cost ap	proximatel	ly \$2 mili	on. Repla	cing the	41	
for disinfectant by-products and	a storage facility v improving water r	vili provide the Vality	e same ie	everorse	rvice whi	ie neiping	to meet	New USEI	A regula	lions	
Cost Change	in proting there a										
Costs were increased for inflatio	n.										
											Existing Shady Grove tank
The project scope has remained	the same. Expen	ditures shown	in Block	3 are an	Order o	f Magnitud	le estima	te and ma	y increas	se as	
the project proceeds.						•			•)	
COORDINATION											
Maryland State Highway Adminis	stration, Montgom	ery County Go	overnme	nt and Ma	aryland-N	lational Ca	apital Par	k & Plann	ing Comr	mission.	
NOTE This project supports 100%	6 System Improve	iment.								[ARM AND A SALES
										l	
											1 = 3557 h 2
											Edds and the second sec

.

A. Identification and Coding Inform	nation		2 _Da	te [.] Octo	 ber 1, 200	08	7. Pre PD	F Pg.No.:	8, Req.	Adeg. Pu	ub. Fac.	E. Annual Operating Budget Impact (000's) FY of in	npacl
1. Project Number Agency Number	Update	Code]	Program Costs Staff	
033807 VV-172.05	Change		- Revis	ed: Janu	ary 21, 20	09 -						Other	
3. Project Name: Patuxent WFP Phil	ase II Expa	ansion				ţ	5.Agency:	W	SSC			Debi Service	13
4. Program: Sanitation	6. Planning	g Area:	Bi-Co	unty							I	Total Costs 2774 Impact on Water or Sewer Rate 5¢	13 13
B.		E	xpenditu	re Sched	lule (000'	s)						F. Approval and Expenditure Data (000's)	_
	(8)	(9)	(10)	(<u>1</u> :1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)		
Cost Elements	Total	FY '08	FY '09	6 Years	FY '10	FY '11	FY '12	FY '13	FY '14	FY '15	6 Years	Date First in Capital Program	04
Planning, Design & Supervision	4,590	2,186	500	1,904	700	745	459					Date First ApprovedFY	03
Land				r				_				Initial Cost Estimate33,0	02
Site Improvements & Utilities	· · · · · ·											Cost Estimate Last FY 30,1	21
Construction	24,530			24,530		15,096	9,434					Present Cost Estimate 31,8	13
Other	2,693		50	2,643	70	1,584	989					Approved Request, Last FY 13,4	75
Total	31,813	2,186	550	29,077	770	17,425	10,882					Total Expenditures & Encumbrances 2,1	86
C.			Funding	Schedu	le (000'ş)						<u></u>	Approval Request FY 10 7	70
WSSC Bonds	31,813	2,186	550	29,077	770	17,425	10,882					Supplemental Approval Request	
D. Description & Justification									_			Current FY (09)	
DESCRIPTION												C. Stalue Information	-
to chemical facilities and new UN permanganate feed system at th handle residuals from the plant. Service Area Bi-County Area	/ disinfecti le Patuxen	ion faciliti It Pretrea	es to the f tment Fac	Patuxent ' Illity and u	WFP, alor Ipgrades t	ng with ar to the exis	n upgrade sting sewe Caj	to the ex er system pacity 72	isting pota at Sweitz 2 MGD no	issium er Lane to minal/110	° D MGD	Land Status: No land or R/W required % Project Completion: D-60% Est. Completion Date: FY 2012	
JUSTIFICATION								er	nergency			H, Map Map Reference Code:	Í
Plans & Studies													
Patuxent WFP Facility Plan (Apr	ii, 1997); li	n-House	Study (Ap	ril, 2002);	Patuxent	Expansio	on Design	Criteria I	Report (Ap	orll 2005)			
Specific Data													
Phase II will add a sixth treatmen solids removal and plate settlers from Rocky Gorge Raw Water P 172,08) will provide a firm raw wi nominal capacity of 72 MGD, wit order to compty with upcoming E	nt train cor , disinfecta ipeline (W- ater pumpi h emerger PA regula	nsisting o ant conta -172.07) ing/transm ncy capac tions for	f a three s ct chambe and the m mission ce city of 110 Cryptospo	tage floco or, and two odification pacity of MGD, N oridium tre	culation ch o deep be n and exp 110 MGD ew UV dis eatment ar	namber, s d granula ansion of t. These i sinfection nd Stage	edimenta ir carbon f the Rock improvem facilities a 2 Disinfed	tion basir filters, A f y Gorge V ents will y are being otion Bypr	n with cha ourth raw Water Pur give the pi added to roducts Ri	in and filg water pip nping Sta ant a firm the plant ule.	pht peline ation (W- n in	MAP NOT AVAILABLE	
Cost Change													
Costs were increased as a result	t of additio	nal desig	n work rea	quired and	d escalatio	on in labo	or costs du	ue to proje	ect delay.				
<u>STATUS</u> Preliminary Design (WSSC	Contract	No. BF1	582H91,).										
<u>OTHER</u> The project scope has remalned the detailed design progresses. I customer impact. However, em-	the same, n the even ergency co	Expend at of an or onservation	iture estim utage at th on measu	nates sho ne Potomi res will st	wn above ac WFP, a ill be requ	are prelir additional ired. WS	minary de capacity SC will se	sign estir at the Pa sek feder:	nates and tuxent WF al funding	may cha P will rec for this pi	nge as duce roject.		
COORDINATION									-				
Montgomery County Governmen Maryland Department of the Envi 172.08, Rocky Gorge Pump Stat	t, Prince G ironment, I ion Upgrad	George's (Baltimore de and W	County Go Gas & El 773.18, Po	overnmen lectric and ower Relia	t, Marylan I WSSC f ability and	nd-Nationa Projects V I Arc Flas	al Capital V-172.07, h Studies	Park & P Patuxent (Coordina	lanning C Raw Wa Ition of UN	ommissio ler Pipelir / Criteria)	on, ne, W-).		
NOTE This project supports 28%	System In	nproveme	ent and 72	% Enviro	nmental F	Regulation	٦.						
							3-	12					

A. Identification and Coding Info	rmation	2. Date: Octobe	r 1, 2008	7. Pre PD	F Pg.No.:	8. Req.	Adeq. Pu	ub, Fac.	E. Annual Operating Budget Impact (00	10's) FY of Impact
1. Project Number Agency Number	r Update Code	 Revised: Januar	4 21 200g						Program Costs Staff	
063804 W-172.07	Change		y 21, 2005						Facility Costs Maintenance	 128 14
3. Project Name: Patuxent Raw W	ater Pipeline			5.Agency;	W.	SSC			Dabt Service	1397 14
4. Program: Sanitation	6. Planning Area:	Bi-County							Impact on Water or Sewer Rate	1525 14 3¢ 14
В.	E	xpenditure Schedul	e (000's)						F. Approval and Expenditure Data (000	
	(8) (9)	(10) (11) Estimate Total	(12) (13) Year 1 Year 7	(14)	(15)	(16)	(17)	(18)		
Cost Elements	Total FY '08	FY '09 6 Years	FY '10 FY '11	FY '12	FY '13	FY '14	FY '15	6 Years		
Planning, Design & Supervision	3,337 1,671	200 1,466	808	329	329				Date First Approved	FY 03
Land									Initial Cost Estimate	18,750
Site Improvements & Utilities									Cost Estimate Last FY	15,398
Construction	11,685 3,433	600 7,652	1,200	3,216	3,236				Present Cost Estimate	16,015
Other	993	80 913	201	355	357				Approved Request, Last FY	1,803
Total	16,015 5,104	880 10,031	2,209	3,900	3,922			and the second secon	Total Expenditures & Encumbrances	5,104
<u> </u>	<u>الشيع من من الشيومين من من الم</u>	Funding Schedule	(000's)			<u> </u>	<u> </u>		Approval Request FY 10	
WSSC Bonds	16,015: 5,104	880 10,031	2,209	3,900	3,922	····				
This project provides for comm from the Rocky Gorge Raw Wa replacement of valves. JUSTIFICATION Plans & Studies Patuxent WFP Facility Plan (Ap Specific Data The existing raw water supply for Station. In order to convey mon Rocky Gorge Pumping Station firm raw water pumping transmi Filtration Plant, will give the Pla Cost Change Costs were increased for inflation STATUS Under Construction (WSS OTHER The project scope has remained existing raw water pipelines is 1 construction deferred until FY'11 only and may change based up Councils have approved the raw COORDINATION Montgomery County Government Maryland Department of the Em	unity outreach, plannin iter Pumping Station to be pril 1997); In-House St acilities are hydraulica re than 72 MGD of rav to the Patuxent Plant a ission capacity of 110 nt a firm nominal capa on. SC Contract Nos, BF1. d the same. The Rock 00% complete. The 2. Expenditure estima on the alignment chos v water pipeline alignment.	ng, design and consi o the Patuxent Wate udy (April 2002). Illy limited to 72 MGD v water, a new raw w and modification/exp MGD. These impro acity of 72 MGD, with 582C91, BF1582E9 y Gorge Valve Repla new raw water pipeli ates for the pipeline pi een and design consi nent, Land costs are pounty Government, M	D with all pumps r Filtration Plant, ater pipeline is r ansion of the Ro vements, in conj a an emergency 1). acement is at C- portion shown in traints, Construct included in Proj	96% comp provide the second provide the second project is project is block B a ction will n ject W-20 al Capital	It the Rock of the exit A fourth ra e Pumpin Ith expans of 110 MG bove are still unde bove are 2.00.	r larger ra sting wate sy Gorge w water g Station ion of the D. sign for cl planning d until bo anning Co	Pumping pipeline fr will provid Patuxen eaning th greview v evel estir th County commissio	rom de a it Water with mates n, ions	G. Status Information Land Status: Land & R/W to % Project Completion: C-40% Est, Completion Date: See Block D "C H. Map Map Reference Code: MAP NOT AVAILABL	be acquired)ther" E
Maryland Department of the En (West Laurel Civic Association), 172.08, Rocky Gorge Pump Sta	vironment, Interstate (, Baltimore Gas & Elec Ition Upgrade,	Commission on the F ctric and WSSC Proj	Potomac River B jects W-172.05,	asin, Loca Patuxent	al Commu WFP Pha	nity Civic se II Expi	Associat Insion an	ions id W-		
NOTE This project supports 100	% System Improveme	ent.								

A. Identification and Coding Inform	ation		2. Da	te: Octo	ber 1, 200		7. Pre PD	F Pg.No,:	8. Req.	Adeq. Pu	ub, Fac.	E. Annual Operating Budget Impact (000's) FY of I	Impact
1. Project Number Agency Number	Update (Code										Program Costs Staff	
063805 W-172.08	Change			ed: Janu	ary 21, 20	09 -						Other	
3. Project Name: Rocky Gorge Pump	Station L	Jpgrade					5.Agency:	W	SSC			Debt Service	12
4. Program: Sanitation 6	i. Planning	Area:	Bi-Co	unty								Total Costs 1299	12
												Impact on Water or Sewer Rate 3¢	12
В,		E	xpenditu	re Sched	lule (000':	s)						F. Approval and Expenditure Data (000's)	
	(8)	(9) Thou	(10) Estimate	(11) Totel	(12) Year 1	(13) Year 2	(14) Year 3	(15) Year 4	(16) Year 5	(17) Year 6	(18) Beyond	Data First in Capital Program	(08
Cost Elements	- Total	FY '08	FY '09	6 Years	FY '10	FY '11	FY '12	FY '13	FY '14	<u>FY '15</u>	6 Years		
Planning, Design & Supervision	3,201	1,695	461	1,045	52	993							r 03
Land				· · ·		_						Initial Cost Estimate	930
Site Improvements & Utilities	· · ·											Cost Estimate Last FY 14,4	476
Construction	10,500		1,313	9,187	457	8,730						Present Cost Estimate 14,9	902
Other	1,201		177	1,024	51	973						Approved Request, Last FY 4,5	506
Total	14,902	1,695	1,951	11,256	560	10,696			ka shini a shi ye ya culanda te			Total Expenditures & Encumbrances	595
C	<u>a.a</u>	- <u>-</u>	Funding	Schedul	e (000's)		<u> </u>	ing and the	<u> </u>	<u> </u>	<u>1-21, al 1200 14540</u>	Approval Request FY 10 5	i60 j
WSSC Bonds	14,902	1,695	1,951	11,256	560	10,696							
Image: Description This project provides for the moding of the pairs of the project scope has remained the project scope has remained the pairs of t	ification ar uxent Wat 1 1997); In- of the Rock oump stati nt a firm n or Inflation. act No. BF the same. Istraints. tration, Mo s & Electri System In	-House S ky Gorga ion, along iominal c 1582G9 Costs si intgomer ic and W	Study (Apr Raw Wai g with a fo apacity of 1,). hown are y County SSC Proju	the Rock il 2002) ler Pumpi urth wate 72 MGD, preliminai Governme ects W-17	y Gorge F ng Statlor r pipeline , with eme ry design ent, Prince r2,05, Pat	Yump Sta Will prov (W-172.(Irgency c level esti e George uxent Wi	tion to all vide a firm 07) and ex apacity of mates on the County FP Phase	ow the sta pansion of 110 MGC y and ma Governm II Expans	tion to pro r pumping of the Patu). y change ent, Mary ion and V	vide up t capacity ixent Plar based up land Dep V-172.07,	o v of 110 nt (W-	G. Status information Land Status: No land or R/W required % Project Completion: D-70% Est. Completion Date: March 2011 H. Map Map Reference Code: MAP NOT AWAILABLE	

A. Identification and Coding Info	ormation		2. Da	te: Octo	ber 1, 200)8	7. Pre PD	F Pg.No.:	8. Req.	Adeq. Pu	b. Fac.	E. Annual Operating Budget Impact (00	0's) FY of Impact
1. Project Number Agency Number	er Update	Code	Rovis	ed Mav	7 2009							Program Costs Staff	••••
954811 <u>S-22.06</u>	Change	e	110413	cu. may	, 2000						j	Facility Costs Maintenance	••••
3. Project Name: Blue Plains WW	TP: Liquid	Train Proj	ects, Part	2		Ę	5.Agency:	WS	SSC			Debt Service	18470
4. Program: Sanitation	6. Plannin	ng Area:	Bi-Co	unty								Total Costs	18470
											1	Impact on Water or Sewer Rate	40¢
		E	xpenditu	ire Sched	ule (000'	s)						E Approval and Expanditure Data (000	/c)
	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)		
		Thru	Estimate	Total	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Beyond	Date First in Capital Program	FY 95
Planning Design & Supervision	32 507	24 324	1 708	4 880	1 164	674	961	1 023	696	362	6 rears	Date First Approved	FY 95
l and		21,021		4,000								Initial Cost Estimate	69.745
			<u> </u>								——-i	Cost Estimate Last EY	228 429
Site improvements & ountes		100 1 10	0.000		0.504	077	450			4.000	0.070	Breacht Cost Estimate	224,420
	189,393	168,148	8,330	5,845	3,591	977	158	23	193	1,903	6,070	Present Cost Estimate	224,120
Other	2,220	1,925	100	118	48	17	11	10	9	23	77	Approved Request, Last FY	15,981
Total	224,120	194,397	10,138	11,843	4,803	1,668	1,130	1,056	898	2,288	7,742	Total Expenditures & Encumbrances	194,397
C.			Funding	Schedu	le (000's)							Approval Request FY 10	4,803
WSSC Bonds	211,816	183,726	9,581	11,192	4,539	1,576	1,068	998	849	2,162	7,317	Supplemental Approval Request	
City of Rockville	12,304	10,671	557	651	264	92	62	58	49	126	425	Current FY (09)	
DESCRIPTION This project provides funding Major projects include: Impro Nitrification Facility Upgrade; a Service Area Bi-County Are JUSTIFICATION Plans & Studies The Blue Plains Intermunicipa Capital Improvement Program Specific Data This is a continuation of the D Cost Change The cost decrease is primaril projects to project S-22.08, BI STATUS Not Applicable OTHER The project scope has remain of spending and WASA's lates Given the open-ended nature	for WSSC's vements to and Dual Pu a I Agreemen information C-WASA's to y due to the ue Plains W ed the same st project ma of the Blue J	share of I Nitrificatio Irpose Sec t of 1985; n (January upgrading transfer of WTP: Bio e. Project anagemer Plains pro	Blue Plain n/Denitrifi dimentatio the WAS, , 2009). of the Blu of the Nitri blogical Nu costs are at data, an	s liquid tra cation Fain in Basins A Master le Plains M fication/De trient Ref derived fr d fully ref PDE may	ain project cilities Up Rehabilita Plan (199 Wastewat enitrification moval.	ts for which grade; Fil ation. 8); and th er Treatm on Faciliti C-WASA A's currer reflect the	ch constru tration an Caj ne DC-WA nent Plant les initial u Capital & t cost est	Action bega d Disinfec pacity 37 ASA Appro	an after J lion Reha 0 MGD ved FY 2 nd Lower Budget 1 d expend	une 30, 1 bilitation; 008 - FY Priority W 0-year fo iture sche	993. 2017 Vork vecast edules.	Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going H. Map Map Reference Code:	E
fact, expected to continue inde added to this project. Expend calculated Rockville share of t COORDINATION District of Columbia Water & S on WSSC Project S-22.08). (E NOTE This project supports 10	Sewer Author Sewer Author Sewer Author Shanced No O% System	new sub- n in Colum prity (respo utrient Res Improven	projects a in 9 are p possible for moval cos nent.	re added ost-Intern design a ts are car	nd constru ried on W	e Plains f Agreemer uction). (I VSSC Pro	facility pla nt. The fur Biological ject S-22.	Nutrient F	dule also	costs will indicates	be the carried		

A. Identification and Coding Inform	2. Da	te: Octo	ber 1, 200	08	7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fa					E. Annual Operating Budget Impact (00	0's) FY of Impact		
1. Project Number Agency Number	Update	Code			- 0000	ſ						Program Costs Staff	
954812 S-22.07	Change	9	Revis	ed: May	7,2009							Other	
3. Project Name: Blue Plains WWT	P: Biosoli	ds Manag	ement, P	art 2		!	5.Agency:	W	SSC			Debt Service	25564
4. Program: Sanitation	6. Plannin	a Area:	Bi-Co	untv								Total Costs	25564
		5		,								Impact on Water or Sewer Rate	55¢
B.		E	xpenditu	ire Scheo	lule (000'	s)		<u>_</u>	i			F. Approval and Expenditure Data (000)	s)
	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)		·
Cost Elements	Total	Thru EY '08	Estimate FY '09	Total 6 Years	Year 1 FY '10	Year 2 FY '11	Year 3 FY '12	Year 4	Year 5	Year6 FY'15	Beyond 6 Years	Date First in Capital Program	FY 95
Planning, Design & Supervision	67,791	33,860	3,429	30,502	8,410	5,441	6,169	5,541	4,941			Date First Approved	FY 95
Land												Initial Cost Estimate	77,296
Site Improvements & Utilities	•											Cost Estimate Last FY	235,904
Construction	239,336	59,340	3,405	176,327	7,779	40,597	53,075	53,319	19,592	1,965	264	Present Cost Estimate	310,198
Other	3,071	932	68	2,068	162	460	592	589	245	20	3	Approved Request, Last FY	5,617
Total	310,198	94,132	6,902	208,897	16,351	46,498	59,836	59,449	24,778	1,985	267	Total Expenditures & Encumbrances	94,132
	<u> </u>		Funding	Schedu	le (000's)		<u> </u>	<u> </u>				Approval Request FY 10	16,351
WSSC Bonds	293,170	88,965	6,523	197,430	15,453	43,946	56,551	56,186	23,418	1,876	252		
City of Rockville	17,028	5,167	379	11,467	898	2,552	3,285	3,263	1,360	109	15	Current FY (09)	
D Description & Justification	<u> </u>								<u> </u>		<u> </u>		
DESCRIPTION												G. Status Information	
This project includes funding for		shara of ti	a Blue B		towator T	reatmont	Diant bio	colide bar	dlina proi	acts for u	thich	Land Status: Not applicable	
construction began after June 3	0. 1993. N	Maior proie	ects inclu	de: new d	igestion fa	icilities: c	entrifuge	thickener	facilities:	and solids	S	% Project Completion: On-Going	
processing building/dewatered s	sludge load	ding facilit	y.		.g						-	Est. Completion Date: On-Going	
Service Area Bi-County Area							Ca	pacity 37	'0 MGD			H. Map Map Reference Code:	
JUSTIFICATION													
Plans & Studies													
The Blue Plains Intermunicipal A	I ne Blue Plains Intermunicipal Agreement of 1985; the WASA 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												
Biosolids Management at DCVVASA Blue Plains Wastewater Treatment Plant Phase II - Design and Cost Considerations for Treatment Alternatives Report (December 2007); and the DC-WASA Approved FY 2008 - FY 2017 Capital Improvement Program													
information (January, 2009).													
Specific Data													
This project is needed to implem	nent a set	of facilitie	s which w	ill provide	a permar	nent bioso	olids mana	agement p	program f	or Blue Pl	ains.		
Cost Change													
The cost increase is due to the s horticultural grade product at ap	substantia proximatel	l increase ly half the	in the Dig volume.	gester Fac	cility proje	ct based	upon the	selected p	process w	hich prod	uces a		E
STATUS Not Applicable													
OTHER											ļ		
The project scope has remained	I the same	. Project d	costs are	derived fr	om the DO	C-WASA	Capital &	Operating	g Budget [.]	0-year fo	recast		
of spending and WASA's latest project management data, and fully reflect WASA's current cost estimates and expenditure schedules.													
fact expected to continue indefi	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. Expenditu	res shown	in Colum	n 9 are p	ost-Interm	unicipal A	Agreemen	t. The fu	nding sch	edule also	o indicates	s the		
calculated Rockville share of the	e cost.		·										
COORDINATION											-		
District of Columbia Water & Sev	wer Author	rity (respo	nsible for	design a	nd constru	uction).							
NOTE This project supports 100%	% System	Improvem	ient.								l		

Project Number Agency Number Update Coar Revised: May 7, 200 Program Casts Set Number Agency Number Agen	A. Identification and Coding Info	rmation		2 Da	te [.] Octo	ber 1, 200		7. Pre PD	F Pg.No.:	8. Req.	Adeq. Pu	ub. Fac.	E. Annual Operating Budget Impact (000's) FY of Impa
Typest 7 [5-22.08] (Change Newlest NW 47, 2009 5.Agency: WSSC L. Program: Sanitation 0. Planning Area: Bi-County 5.Agency: WSSC B. Expenditure Schedula (100°a) F.Agency: WSSC Total Costs	1. Project Number Agency Number	r Update	Code				[Program Costs Staff
Froget Nume: Blue Plans WVTP: Biological Numeric Removal 5.Agency: WSSC Froget Nume: Blue Plans WVTP: Biological Numeric Removal 5.Agency: WSSC B. Expenditure Schedule (809°) C. Agencol and Expenditure Data (800°) For the Schedule (809°) C. Expenditure Schedule (809°) B. Expenditure Schedule (809°) For the Schedule (809°) For the Schedule (809°) For the Schedule (809°) Schedule 2.4.5.6.7.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	973817 S-22.08	Change	э	Revis	ed: May	7, 2009	L						Other
B. Expenditure Schedule (500°) B. Expenditure Schedule (500°) Control (Elements) (1) Control (Elements) (2) Control (Elements) (2) <	3. Project Name: Blue Plains WW	TP: Biologi	cal Nutrie	nt Remov	al		!	5.Agency:	: W	SSC			Debt Service
B. Expenditure Schedule (000*s) Fr Approval and Expenditure Data (00*s) Det Extends Total FY 08 FY 08 FY 08 FY 01 FY 01 FY 02 FY 03 FY 04 FY 05 FY 06 FY 0	4. Program: Sanitation	6. Plannin	ig Area:	Bi-Co	unty								Total Costs 1
B. Excenditive Schedule (000°s) Cost Elements (6) (7) </td <td></td> <td>Impact on Water or Sewer Rate 8¢ 1</td>													Impact on Water or Sewer Rate 8¢ 1
Sign Element (9) (19) (10) (11) (12) (12) (12) (14) (14) (15) (16) <td>В.</td> <td></td> <td>E</td> <td>Expenditu</td> <td>re Scheo</td> <td>tule (000'</td> <td>s)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>F, Approval and Expenditure Data (000's)</td>	В.		E	Expenditu	re Scheo	tule (000'	s)						F, Approval and Expenditure Data (000's)
bits Fride		(8)	(9) Thru	(10) Estimato	(11) Total	(12)	(13)	(14)	(15)	(16) Xoar F	(17)	(18) Povend	
Hanning, Design & Supervision 12,658 5,474 1,603 5,508 2,387 1,922 1,038 161 Date First Approved 17.98 Site Improvements & Utilities 75,647 20,500 14,355 35,952 11,746 14,349 6,255 629 13 Oration 75,647 20,500 14,855 35,952 11,746 14,349 6,255 629 13 Oration 89,115 26,537 166,462 456 211 13,655 77,86 13 Approved Request, Last FY 77,86 SC Bonds 42,111 12,647 16,622 45,61 377 6 13 Approved Request, Last FY 10,234 SC Bonds 42,111 12,647 16,058 17,766 4,841 377 6 30,97 30,897 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7 30,893 7	Cost Elements	Total	FY '08	FY '09	6 Years	FY '10	FY '11	FY '12	FY '13	FY '14	FY '15	6 Years	
and Initial Cost Estimate 11/143 Bit Improvements & Utilities 75,647 20.800 14.855 39,932 16.746 14.349 6.255 629 13 Approved Request, Last FY 97,755 Orial 93,115 26.35 16.52 455 21.1 17.03 7.8 13 Approved Request, Last FY 14,706 Orial 93,115 26.35 16.52 45.55 21.374 16.41 7.65 7.96 13 Total Expenditures & Schuchtances 26.537 Operation & 42,111 12.840 7.65 24.81 7.76 3.461 3.77 6 Supplemental Approval Request 28.537 Statis Aid 44,656 3.201 0.72 3.68 4.95 7.26 4.961 2.02 22 2.0 0 21.344 Specific Diat 7.86 1.021 5.96 4.91 20.2 2.2 0 0 0.21.344 Specific Diat 7.86 1.021 5.96 4.91 20.2 2.2 0 0 0.312 2.97 0.21.344 Sp	Planning, Design & Supervision	12,585	5,474	1,603	5,508	2,387	1,922	1,038	161				Date First Approved
bits improvements & Utilities 75,647 20,800 14,856 39,920 18,746 14,349 62,55 629 13 Approved Request, Last FY 67,785 State Add 98,115 26,337 16,823 455,855 21,11 103 73 8 Approved Request, Last FY 14,706 VSC Bonds 42,111 12,540 7,855 21,344 16,434 7,366 798 13 Approved Request, Last FY 10,470 10,857 21,344 16,434 7,366 798 13 Approved Request, Last FY 10,470 10,857 11,471 10,085 7766 3,481 377 6 1 400 21,344 16,434 7,366 788 13 Approved Request, Last FY 10,470 10,285 12,344 13,455 12,344 13,455 14,345 12,344 13,451 14,050 12,344 13,451 12,344 13,455 13,345 14,345 14,345 12,322 12,22 12,344 13,345 14,345 12,345 12,344 13,345 14,345 12,344 13,345 13,345 14,345 12,3	Land			T —									Initial Cost Estimate 12,189
Sonstruction 75,647 20,800 14.565 38.922 18.746 14.348 6,255 623 13 Approved Request, Last FY 14.706 Sonstruction 98,115 26,337 1663 455 2.11 163 73 8 Approved Request, Last FY 14.706 VSSC Bonds 42,111 12,640 7,855 21,344 14,348 377 6 Approved Request, Last FY 21,344 VSSC Bonds 42,111 12,640 7,855 21,716 10,086 7,765 3,681 377 6 Current FY (09) Current FY (09) 21,344 VSSC Bonds 42,111 12,640 7,855 21,716 10,086 7,765 3,681 399 7 Current FY (09) Supplemental Approval Request % Fright Completion: C00% Status Information ESCRIPTION This project provides funding for WSSC's share of the Blue Plains Biological Nutrient Removal Pliot Project and BNR Permanent This project Bas Biological Nutrient Removal Pliot Project and BNR Permanent Supotistation % Friget Completion:	Site Improvements & Utilities			_	`							1	Cost Estimate Last FY 57,785
Differ 883 263 195 455 211 1163 72 8 13 Gata 89,115 26,537 16,623 45,955 21,344 16,434 7,366 788 13 VSSC Bands 42,111 12,840 7,855 21,716 10,086 7,766 3,481 377 6 21,344 Visp of Rockvile 2,445 7,285 12,716 10,086 7,766 3,481 377 6 21,344 Visp of Rockvile 2,445 7,285 12,717 16,085 3,992 7 13 21,344 Visp of Rockvile 2,445 7,285 12,717 16,026 202 22 21 341 21,344 Usp of Rockvile 2,445 7,285 12,817 10,072 8,217 3,083 399 7 13 21,344 20,233 22 21,344 20,233 22 21,344 21,345 345 21,344 21,345 21,344 21,345 21,344 21,345 21,344 21,345 21,345 21,345 21,345	Construction	75,647	20,800	14,855	39,992	18,746	14,349	6,255	629	13			Present Cost Estimate 89,115
Ordel 99,115 26,337 16,623 46,355 21,344 16,454 7,365 798 13 Total Expenditures & Encumbrances 26,537 C. Funding Schedule (000*s) Funding Schedule (00*s) Funding Schedule (00*s) Funding Schedule (Other	883	263	165	455	211	163	73	8			1	Approved Request, Last FY 14,706
C. Funding Schedule (000's) VSSC Bonds 42,111 12,640 7.655 21,716 10,066 7.766 3,481 377 6 Supplemental Approval Request Current FY (09) 21,346 State Aid 44,559 13,268 3,112 22,978 10,672 8,217 3,863 399 7 .<	Total	89,115	26,537	16,623	45,955	21,344	16,434	7,366	798	13			Total Expenditures & Encumbrances 26,537
VSSC bands 42,111 12,840 7,855 21,716 10,087 7,766 3,481 377 6 State Aid 44,659 13,268 8,312 22,078 10,672 8,211 3,683 399 7 10 <td>C.</td> <td></td> <td>·</td> <td>Funding</td> <td>Schedu</td> <td>le (000's)</td> <td></td> <td></td> <td><u></u></td> <td></td> <td></td> <td></td> <td>Approval Request FY 10 21,344</td>	C.		·	Funding	Schedu	le (000's)			<u></u>				Approval Request FY 10 21,344
State Aid 44,559 13,268 8,312 22,978 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 6,217 3,683 399 7 10,672 10,621 10,672 10,621 10,672	WSSC Bonds	42,111	12,540	7,855	21,716	10,086	7,766	3,481	377	6			Supplemental Approval Request
City of Rockville 2,445 728 458 1,261 596 451 202 22 D. Description & Justification <u>BESCRIPTION</u> This project provides funding for WSSC's share of the Blue Plains Biological Nutrient Removal Pliot 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 the bubble diffuses, and improvements to the Initrification basins, methanol storage and feed facilities, a control building, addition of the bubble diffuses, and improvements to the Initrification basins, methanol storage and feed facilities, a control building, addition of the bubble diffuses, and improvements to the Initrification basins, methanol storage and feed facilities, a control building, addition of the bubble diffuses, and improvement the United States Department of Justice. Gascity 370 MGD Service Area BL-County Area Capacity 370 MGD USTIFICATION Plans & Studies Porter, MacNamee & Seely Study (1992); Civil Action No. 90-163; Civil Action No. 84-2842 JGP; the WASA Master Plan (1958); and the DC-WASA Approved FY 2005 - FY 2017 Capital Improvement Program Information (January, 2009). Specific Data The initial 312 1 million Ploit Project was planned as a phased, four year, half-plant trial. For 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. <t< td=""><td>State Aid</td><td>44,559</td><td>13,269</td><td>8,312</td><td>22,978</td><td>10,672</td><td>8,217</td><td>3,683</td><td>399</td><td>7</td><td></td><td></td><td>Current FY (09)</td></t<>	State Aid	44,559	13,269	8,312	22,978	10,672	8,217	3,683	399	7			Current FY (09)
 Description & Justification Description Conserved Area Bit County Area Conserved Area Bit County Area Capacity 370 MGD Statistics Statistics Conserved Area Studies Poter, MacNamee & Seely Study (1992); Civil Action No. 90-163; Civil Action No. 84-2842 JGP; the WASA Master Plan (1998); and the County Area Capacity 370 MGD Specific Data The initial \$12.1 million Pilot Project was planned as a phased, four year, half-plant trial. For the Pilot Project 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 Conserved Ged that applying this technology was experimental. Cost Change The roylect scope has remained the same. The expenditure schedule shown above reflects the cost of permanent BNR facilities as required under the Consent Decree acknowledged that applying this technology was experimental. Consent Decree acknowledge that applying this technology was experimental. Consent Decree acknowledge that applying this technology was experimental. Consent Decree acknowledge that applying this technology was experimental. Consent Decree acknowledge that applying this technology was experimental. Consent Decree acknowledge that applying this technology was experimental. Consent Decree acknowledge that applying this technology was experimental. Consent Decree acknowledge that applying this technology and bepartment of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). Maryland Department	City of Rockville	2,445	728	456	1,261	586	451	202	22				
Service Area is a b-county Area Capacity 370 Misb USTIFICATION Plans & Studies Porter, MacNamee & Seely Study (1992); Civil Action No. 90-163; Civil Action No. 84-2842 JGP; the WASA Master Plan (1998); and the DC-WASA Approved FY 2008 - FY 2017 Capital Improvement Program information (January, 2009). 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. MAP NOT AVAILABLE Cost Change The construction Facilities initial upgrade and Lower Priority Work projects from project S-22.06, Blue Plans WWTP; Liquid Train. MAP NOT AVAILABLE THEM 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. OORDINATION Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE OTE This project supports 100% Environmental Regulation. Event Authority (responsible for design and construction).	control building, addition of fine the 1995 Consent Decree sign	e bubble difference of the bubble difference of the by the b	fusers, an District of C	id improve Columbia	ements to and the U	the nitrific nited Stat	cation faci es Depar	ilities (Pha tment of	ase II). Th Justice.	nis projec	is stipula	ated in	H. Map Map Reference Code:
USE IFICATION Plans & Studies Porter, MacNamee & Seely Study (1992); Civil Action No. 90-163; Civil Action No. 84-2842 JGP; the WASA Master Plan (1998); and the DC-WASA Approved FY 2008 - FY 2017 Capital Improvement Program information (January, 2009). 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 The cost increase is due to the transfer of the Nitrification/Denitrification Facilities initial upgrade and Lower Priority Work projects from project S-22.06, Blue Plains WWTP: Liquid Train. TATUS Under Construction THER 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. OCRDINATION Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE This project supports 100% Environmental Regulation.	Service Area BI-County Area	ł						Ca	pacity 37	0 MGD			
Protem MaxNamee & Seely Study (1992); Civil Action No. 90-163; Civil Action No. 84-2842 JGP; the WASA Master Plan (1998); and the DC-WASA Approved FY 2008 - FY 2017 Capital Improvement Program information (January, 2009). 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 Consernt Decree acknowledged that applying this technology was experimental. Cost Change The cost increase is due to the transfer of the Nitrification/Denitrification Facilities initial upgrade and Lower Priority Work projects from project S-22.06. Blue Plains WWTP: Liquid Train. TATUS Under Construction <u>THER</u> 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. <u>OORDINATION</u> Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). <u>OTE</u> This project supports 100% Environmental Regulation.	Dians & Studios												
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 The cost increase is due to the transfer of the Nitrification/Denitrification Facilities initial upgrade and Lower Priority Work projects from project S-22.06, Blue Plains WWTP: Liquid Train. TATUS Under Construction THE 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. OORDINATION Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE This project supports 100% Environmental Regulation.	Porter, MacNamee & Seely Stu the DC-WASA Approved FY 20	udy (1992); 008 - FY 20	Civil Actio	on No. 90 I Improve	163; Civil ment Pro	Action Normal Ac	o. 84-284 mation (J	2 JGP; th January, 2	e WASA I 2009).	Master Pl	an (1998)); and	
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 The cost increase is due to the transfer of the Nitrification/Denitrification Facilities initial upgrade and Lower Priority Work projects from project S-22.06, Blue Plans WWTP: Liquid Train. TATUS Under Construction THER 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 and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE This project supports 100% Environmental Regulation.	Specific Data			·		-		•					
Cost Change The cost increase is due to the transfer of the Nitrification/Denitrification Facilities initial upgrade and Lower Priority Work projects from project S-22.06, Blue Plains WWTP: Liquid Train. TATUS Under Construction THER 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. OORDINATION Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE This project supports 100% Environmental Regulation.	The initial \$12.1 million Pilot Pr basins were converted to anoxi two years, the third and fourth y Consent Decree acknowledged	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 MAP NOT AVAILABLE											
The cost increase is due to the transfer of the Nitrification/Denitrification Facilities initial upgrade and Lower Priority Work projects from project S-22.06, Blue Plains WWTP: Liquid Train. TATUS Under Construction (THER 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. OORDINATION Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE This project supports 100% Environmental Regulation.	Cost Change		J		r -								
TATUS Under Construction THER 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. OORDINATION Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE This project supports 100% Environmental Regulation.	The cost increase is due to the project S-22.06, Blue Plains W	The cost increase is due to the transfer of the Nitrification/Denitrification Facilities initial upgrade and Lower Priority Work projects from project S-22.06, Blue Plains WWTP: Liquid Train.											
THER 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. OORDINATION Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE This project supports 100% Environmental Regulation.	STATUS Under Construction												
OORDINATION Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). OTE This project supports 100% Environmental Regulation.	<u>DTHER</u> The project scope has remained required under the Consent Ded (MDE) has, by agreement, com	d the same cree. Phas imitted to p	e. The exp se I and po roviding 5	enditure s ortions of 0% grant	chedule s Phase II a funding fo	shown abo are comple or eligible	ove reflec ete. The I costs.	ts the cos Maryland	st of perma Departme	anent BNI nt of the I	R facilitie: Environm	s as ent	
Maryland Department of the Environment and District of Columbia Water & Sewer Authority (responsible for design and construction). <u>OTE</u> This project supports 100% Environmental Regulation.	COORDINATION	·	3	5	.	ũ							
OTE This project supports 100% Environmental Regulation.	Maryland Department of the En	vironment	and Distri	ct of Colu	nbia Wat	er & Sewe	er Authori	ty (respor	nsible for a	lesign an	d constru	ction).	
	<u>NOTE</u> This project supports 100	% Environr	mental Re	gulation.				-					

A. Identification and Coding Infor	mation			te: Octo	ber 1 200)8	7. Pre PDI	F Pg.No.:	8. Req.	Adeq. Pu	ıb. Fac.	E. Annual Operating Budget Impact (000's) FY	of Impact
1. Project Number Agency Number	Update	Code							1]	Program Costs Staff	
023805 S-22.09	Change		Revis	ed: May	7, 2009						(Other	
3. Project Name: Blue Plains WWT	P: Plant-v	vide Proje	cts			:	5.Agency:	W	SSC			Debt Service	
4. Program: Sanitation	6. Plannin	g Area:	Bi-Co	unty								Total Costs 16305	
_		_	_	_								Impact on Water or Sewer Rate	
B		E	xpenditu	re Sched	lule (000'	s)						F. Approval and Expenditure Data (000's)	
	(8)	(9) Thru	(10) Estimate	(11) Total	(12) Year 1	(13) Year 2	(14) Year 3	(15) Year 4	(16) Year 5	(17) Year 6	(18) Beyond	Data First in Capital Program	
Cost Elements	Total	FY '08	FY '09	6 Years	FY '10_	FY '11	FY '12	FY '13	FY '14	FY '15	6 Years		
Planning, Design & Supervision	41,173	30,571	2,751	7,794	2,818	2,581	1,356	766	244	29	57		-1 02
Land												Initial Cost Estimate	,650
Site Improvements & Utilities												Cost Estimate Last FY 157	,298
Construction	154,710	96,749	9,178	48,084	15,129	16,175	8,463	6,711	1,165	441	699	Present Cost Estimate 197	,842
Other	1,959	1,273	119	559	179	188	98	75	14	5	8	Approved Request, Last FY 1	,769
Total	197,842	128,593	12,048	56,437	18,126	18,944	9,917	7,552	1,423	475	764	Total Expenditures & Encumbrances 128	,593
C.		<u> </u>	Funding	Schedu	le (000's)	<u> </u>	·		<u></u>		<u></u>	Approval Request FY 10 18	,126
WSSC Bonds	186,982	121,534	11,387	53,339	17,131	17,904	9,373	7,137	1,345	449	722	Supplemental Approval Request	
City of Rockville	10,860	7,059	661	3,098	995	1,040	544	415	78	26	42	Current FY (09)	Ì
DESCRIPTION DESCRIPTION This project provides funding for Major projects include: Process Rehabilitation Program; Potoma	r WSSC's s Control C ac Intercep	share of E Computer S Nor Rehab	Blue Plain Systems; bilitation; L	s plant-wi Electrical Jpper Pot	de project Power Sy omac Inte	ts for which ystems Aderceptor; a	ch constru dditions, F and Plant-	ction beg Phases J & wide Fine	an after Ji 11; High F Bubble A	une 30, 1 Priority eration	993.	G. Status Information Land Status: Land & R/W to be acquired % Project Completion: On-Going Est. Completion Date: On-Going	
Service Area Bi-County Area							Car	acity 37				H. Map Map Reference Code:	
JUSTIFICATION							υu	Jucity 07	0 11.00				
Plans & Studies													
Plans & Studies The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); and the DC-WASA Approved FY 2008 - FY 2017 Capital Improvement Program information (January 2009). Specific Data													
This is a continuation of the DC-	-WASA's u	porading	of the Blu	e Plains \	Vastewat	er Treatm	nent Plant.				[
Cost Change	-			-							}		
The cost increase is due to the Outfall Sewers; and Phase III of	introductio f the Poton	n of three nac Sewa	new proje ge Pumpi	ects: EPM ng Statior	IC for Inst n rehab.	rumentat	ion, Contr	ols, and E	lectrical;	Rehabilita	ation of	MAP NOT AVAILABLE	
STATUS Not Applicable													
OTHER The project scope has remained	the same	Project	noste are	derived fr	om the D(2-W/ASA	Canital &	Oneration	. Budget 1	0_vear fo	recast		
of spending and WASA's latest project management data, and fully reflect WASA's current cost estimates and expenditure schedules. Given the open-ended nature of the Blue Plains projects, this PDF may 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. Expenditures shown in Column 9 are post-Intermunicipal Agreement. The funding schedule also indicates the calculated Rockville share of the cost.													
COORDINATION											ļ		
District of Columbia Water & Se	wer Author	rity (respo	nsible for	design ar	nd constru	uction).							
NOTE This project supports 1009	% System	Improvem	ient.										ĺ

A. Identification and Coding Infor	mation		2. Da	te: Octo	 ber 1, 200		7. Pre PD	F Pg.No.:	8. Req.	Adeq. Pu	ıb. Fac.	E. Annual Operating Budget Impact (000's)	FY of Impact
1. Project Number Agency Number	Update	Code	- Dovie	od Mov	7 2000				_			Program Costs Staff	·····
083800 S-22.10	Change)	Revis	ieu. May	7, 2009				<u> </u>			Other	
3. Project Name: Blue Plains WWT	P: Enhand	ced Nutrie	nt Remo	val		:	5.Agency:	W	ssc			Debt Service	
4. Program: Sanitation	6. Plannin	g Area:	Bi-Co	ounty								Total Costs	
												Impact on Water or Sewer Rate	
B		E	Expenditu	ire Scheo	lule (000'	s)			`			F. Approval and Expenditure Data (000's)	
	(8)	(9) Thru	(10) Estimate	(11) Total	(12) Year 1	(13) Year 2	(14) Year 3	(15) Year 4	(16) Year 5	(17) Year 6	(18) Beyond	Date First in Capital Program	FY 08
Planning Design & Supervision	44 327	1 041	3 435	37 925	8 330	5611	6 891	7 399	<u>FY 14</u> 6 187	3 507	1 926	Date First Approved	FY 07
						0,011	0,001	.,	0,101	0,001	1,020	Initial Cost Estimate	648
Site Improvements & Utilities											<u> </u>	Cost Estimate Last FY	270,361
Construction	243,151			223,226		14,465	67,766	69,804	54,062	17,129	19,925	Present Cost Estimate	290,352
Other	2,874	10	34	2,611	83	201	747	772	602	206	219	Approved Request, Last FY	4,190
Total	290,352	1,051	3,469	263,762	8,413	20,277	75,404	77,975	60,851	20,842	22,070	Total Expenditures & Encumbrances	1,051
C.			Funding	g Schedu	le (000's)	<u> </u>		·			<u> </u>	Approval Request FY 10	8,413
State Aid	290,352	1,051	3,469	263,762	8,413	20,277	75,404	77,975	60,851	20,842	22,070	Supplemental Approval Request	
D. Description & Justification												Current FY (09)	J
DESCRIPTION													
This project provides funding for removal to levels below BNR le	or WSSC's evels to mee	share of t et the Che	he Blue F sapeake	lains Enh Bay wate	anced Nu r quality ta	itrient Rei argets de	moval proj termined i	ects requ n the 200	ired to ac 5 Tributar	hieve nuti y Strateg	rient y	Land Status: Not Applicable	
process.							0					% Project Completion: P-50%	
Service Area BI-County Area							Ca	bacity 37	'U MGD				
Plans & Studies												H. Map Map Reference Code:	
Chesapeake Bay Program Trib DCWASA Approved FY 2008 -	utary Strate FY 2017 C	egies Proc apital Imp	cess (200 provemen	5); Blue P t Program	lains Stra i informati	itegic Pro ion (Janua	cess Stud arv. 2009)	y, Metcai	f & Eddy (2005);			
Specific Data				Ū		•							
The costs for planning, researc	h, piloting,	design, ar	nd constru	uction are	anticipate	ed to be c	overed by	the Bay	Restoratio	on Fund.			
Cost Change													
The cost increase is due to revi than those anticipated by DC-V WSSC to be more appropriate	ised estima VASA. The than those	ites for the y are bas used by f	e Enhanc ed on cal	ed Clarific culations	ation Fac using low	ilities. The er joint-us underwa	ese costs se percent	to WSSC ages whic	ch are con: ch are cor	siderably isidered b	lower y		
STATUS Planning				. Hogoti		under ma	<i>.</i>					MAP NOT AVAILABLE	
OTHER													
The project scope has remaine to identify the best components regard to treatment specificatio	The project scope has remained the same. The project is currently in the planning phase, with piloting of alternate processes expected to identify the best components. Ultimate process selection and cost will depend on negotiations between DCWASA and US EPA with readment specifications and permitted offluent limits.												
COORDINATION													
Maryland Department of the En Authority (responsible for design	vironment, n and const	U.S. Envi	ronmenta	I Protecti	on Agency	y, Region	III and Di	strict of C	olumbia V	Vater & S	ewer		
NOTE This project supports 100	% Environr	nental Re	gulation.										
•													

A. Identification and Coding Info	rmation	2 Data		 אר	7. Pre PD	F Pg.No.:	8. Reg.	Adeq. Pu	ub, Fac.	E. Annual Operating Budget Impact (000's)	FY of Impact
1. Project Number Agency Number	r Update Code			Г			<u>, </u>			Program Costs Staff	
083807 \$-89.22	Change	Revised; Jai	nuary 21, 2()09 ^L						Other	
3. Project Name: Anacostia Storag	e Facility			ł	5.Agency:	W	SSC			Debt Service	 28 15
4. Program: Sanitation	6. Planning Area:									Total Costs	2B 15
	-									Impact on Water or Sewer Rate	6¢ 15
В.		Expenditure Sch	edule (000'	s)						F. Approval and Expenditure Data (000's)	
	(9)	(10) (11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)		
Cost Elements	Total FY '08	FY '09 6 Year	₩ Year1 ₩ FY'10	FY '11	FY '12	FY '13	Year 5 FY '14	Year 5 FY '15	Beyond 6 Years	Date First in Capital Program	FY 08
Planning, Design & Supervision	4,939 231	1,150 3,55	8 968	880	800	800	110		_	Date First Approved	FY 08
Land			200 5. J 2. J							Initial Cost Estimate	33,957
Site Improvements & Utilities										Cost Estimate Last FY	35,200
Construction	27,841	27,84	1 461	6,980	9,000	8,800	2,600			Present Cost Estimate	36,035
Other	3.255	115 3,14	0 143	786	980	960	271		·]	Approved Request, Last FY	1.320
Total	36,035 231	1,265 34,53	9 1,572	8,646	10,780	10,560	2,981			Total Expenditures & Encumbrances	231
		Eunding Sched	ule (000'e)	a goodi	<u> </u>	<u>ing all in a sta</u>	and Weitheld	4. C. C. P. P. C. C.	l si estade distile d	Approval Request FY 10	1 572
WSSC Bonds	32 432 208	1 139 31 08	5 1.415	7,781	9 702	9.504	2,683		· i		1,072
SDC	3 603 23	126 - 3 45	4 157	865	1 078	1.056	298			Supplemental Approval Request	
									Ļ		
D. Description & Justification										G. Status Information	
DESCRIPTION								_		Land Status: Public/Agency owne	id land
This project provides for the cu	stomer outreach, pli ver reliability ungrad	anning, design and es at the existing (i constructio Anacostia N	on of a ne In 2 Wast	w seven i ewater Pi	nillion gal Imping St	ion sewer ation	overflow		% Project Completion: D-10%	
Service Area Lower Anacost	ia Drainage Basin	es at the existing i		0.2 00831	Car	acity 7	AG		Í	Est. Completion Date: December 2013	
	a Branage Baon				•u,					H Man Man Reference Code:	
Plans & Studies											
"Anacostia Wastewater Pumpir	ng Station No.2 Hyd	aulic Study", Whit	man Requa	rdt and A	ssociates	, LLP (Oc	tober 200	5); "Over	flow		
Event June 25 - 26; 2006 Anac	ostia WWPS", Whit	man Requardt and	Associates	s, LLP (No	ovember 2	2006); Pre	liminary (Design Cr	iteria		
Associates, Shah & Associates	Associates (March 2 (April 2008).	008); Anacostia V	INFS FOWE	er Reliabil	ity Study,	vvniman	Requaro	anu			
Specific Data	(, .p = = = = /.										
Currently, Anacostia WWPS No	o. 2 receives flows fi	om the Hyattsville	WWPS an	d by grav	ity from se	everal bas	ins within	the Tribu	utary		
Area of the Anacostia River. Th	he WWPS discharge	is piped directly	ODC WAS	A's sewer	system.	By agree	ment betw	veen WS	SC		
rainfall events, the influent flow	to Anacostia WWP	S No. 2 exceeded	the 199 MG	iD limit, th	us creatir	ng sanitar	v overflov	, uunng e /s on the	station	Reading the construction of a life of the life of	
site and/or at Junction Chamber	r No.1, in the vicinity	of the Hyattsville	WWPS. T	he Conse	nt Decree	between	WSSC, M	IDE, and	the	MAP NOJ AVAILABLE	
EPA was entered into on Decer	nber 7, 2005, stipula E - The Facility Plan	iting that the WSS	iC develop ads the built	and forma ding of a r	ally submi new stora	t a Facility de facility	Plan for	the Anac	ostia		
weather related sanitary sewer of	overflows at the Ana	costia No. 2 Pum	p Station, w	as approv	ved by EP	A/MDE JI	ily 31, 20	06.			
Cost Change											
Cost estimates were increased to include needed power reliability upgrades for the existing Anacostia No. 2 Wastewater Pumping											
Station.	Station,										
STATUS Preliminary Design (WSS)	C Contract No. CS4	44 (AUD,).									
OTHER		shown is Disal: D	are planal-		timotes -			and una-	alto	{	
specific conditions, design consi	traints and negotlati	ons with the Marvi	are plannin and Depart	ig level es ment of th	ne Envíror	ind may c iment (MI	nange ba DE), The i	seu upon new sewe	sne er		
overflow storage facility will be built on the site of the existing Anacostia No.2 Wastewater Pumping Station.											

ş

Agency Number: S - 89.22 Project Name: Anacostia Storage Facility

COORDINATION

Montgomery County Government, Prince George's County Government, Maryland Department of the Environment, Prince George's County Department of Environmental Resources, U.S. Army Corps of Engineers and U.S. Environmental Protection Agency, Region III. NOTE This project supports 10% Growth and 90% Environmental Regulation.

A. Identification and Coding Inform	ber 1, 200	8	7. Pre PD	F Pg.No.:	8. Req.	Adeq. Pu	ub. Fac.	E. Annual Operating Budget Impact (000's) FY of Impact			
1. Project Number Agency Number	Update Code	e Revis	ed: Janu	arv 21. 20	09 L						Program Costs Starf
093802 <u>S-89.23</u>	Change			,,							Facility Costs Maintenance
3. Project Name: Anacostia No. 2 S	creenings Han	dling Facilities			:	5.Agency:	W	SSC			Debt Service 173 12
4. Program: Sanitation	6. Planning Are	ea: Bi-Co	ounty								Impact on Water or Sewer Rate
В		Expendit	re Schec	lule (000':	s)						F. Approval and Expenditure Data (000's)
	(8) (9) The second se	9) (10) iru Estimate	(11) Total	(12) Year 1	(13) Year 2	(14) Year 3	(15) Year 4	(16) Year 5	(17) Year 6	(18) Beyond	Date First in Capital Program FY 09
Planning Design & Supervision	10tal FY	100 100	6 Years	FY 10 80	55	FY 12	FY13	FY 14	FT 15	b rears	Date First Approved FY 09
I and			100								Initial Cost Estimate 2,071
Site Improvements & Litilities				<u> </u>		-					Cost Estimate Last FY 2.071
Construction	1 620		1 562	492	1 070						Present Cost Estimate 2.134
Other	279	24	255	86	169	<u> </u>					Approved Request Last FY 1783
Total	2,134	182	1,952	658	1,294						Total Expenditures & Encumbrances
		Eunding	Schedu	e (000's)			<u> </u>			<u> </u>	Approval Request FY 10 658
WSSC Bonds	1.988	170	1.818	611	1.207	1]				
District of Columbia Government	146	12	134	47	87				<u> </u>		Current FY (09)
D. Description & Justification			1			<u> </u>	<u> </u>			<u> </u>	
DESCRIPTION											G. Status Information
This project provides for the coll disposal, prior to conveyance to	lection and com Blue Plains W	paction of wa	stewater s	creened s	olids at A	Anacostia	WWPSN	lo. 2, allo	wing for a	ff-site	Land Status: Not applicable % Project Completion: D-0%
Service Area Lower Anacostia	a Drainage Bas	in				Ca	pacity 19	9 MGD			
JUSTIFICATION											H. Map Map Reference Code:
Plans & Studies											
Anacostia Wastewater Pumping Specific Data	J Station No. 2,	Screenings U	pgrade St	udy, Final	Draft, W	hitman, R	equardt 8	Associat	es (Marc	h 2007)	
This project is needed to replace conveyance to Blue Plains WW and replacing those filters. Esse proposed screenings handling p	Specific Data This project is needed to replace the present practice of grinding wastewater screened solids and returning them to the flow for conveyance to Blue Plains WWTP, where they clog and damage filters. WSSC contributes a significant share of the cost of repairing and replacing those filters. Essentially all other sewage pumped to Blue Plains has the screenings removed for off-site disposal. The proposed screenings handling project will both increase the efficiency of the filter media and extend the service life of the filter bottoms										
at Blue Plains.											
Not applicable											
STATUS Preliminary Design (WSS)	C Contract No.	CP4733A07.									
OTHER											
The project scope has remained specific conditions and design conditions	I the same. Exponential Exponential Exponential Exponential Exponential Exponential Exponential Exponential Expo	penditures in E	Block B ar	e planning	level es	timates o	nly and m	ay change	e b ase d u	ipon	
COORDINATION	DORDINATION										
District of Columbia Water & Ser transmission limit.).	District of Columbia Water & Sewer Authority (DC-WASA funding in proportion to its 14 of 199 mgd sewage pumping station transmission limit.).										
NOTE This project supports 100%	% System Impr	ovement.									
	•										

A Identification and Coding Infor 1. Project Number Agency Number 063802 S-94.11 3. Project Name: Damascus Centre	mation Update Code Change	tober 1, 2008 nuary 21, 2009	7, Pre P	DF Pg.No.	: 8, Req.	Adeq. Pu	ub, Fac,	E. Annual Operating Budget Impact (000's) FY of Impact Program Costs Staff Other Facility Costs Maintenance		
4. Program: Sanitation	6. Planning Area;	Damascus 8	Vicinity P.A. 1	1	γ· •	330			Debi Service 47 13 Total Costs	
		Expenditure Sci	edule (000's)						E Approval and Expanditure Data (000's)	
Cost Elements	(8) (9) Thru Total FY '08	(10) (11) Estimate Tota FY '09 6 Yea	(12) Year 1 's FY '10 F	(13) (14) Year 2 Year 3 FY '11 FY '12	(15) Year 4 FY '13	(16) Year 5 FY '14	(17) Year 6 FY '15	(18) Beyond 6 Years	Date First In Capital Program	
Planning, Design & Supervision	64	17	7	27 2	0				Date First Approved FY 06	
Land	1941 - 2 A		-						Initial Cost EstImate 460	
Site Improvements & Utilities								-	Cost Estimate Last FY 528	
Construction	409	- 4	9	295 11	4				Present Cost Estimate 544	
Other	-71	3	8	48 2	0				Approved Request, Last FY 181	
Total	544	20 5	4	370 15	4			NER AND	Total Expenditures & Encumbrances	
		Funding Sche	dule (000's)						Approval Request FY 10	
WSSC Bonds	544	20 5:	4	370 15	4					
JESCHIPTION This project provides for the planning, design, and construction of a new 0.29 MGD wastewater pumping station to replace the existing Damascus Centre WWPS. Service Area Patuxent North Drainage Basin Capacity 0.29 MGD Population Damascus Centre Shopping Centre and nearby commercial and residential areas. JUSTIFICATION Plans & Studies Memorandum dated April 6, 2004, from Brian Mosby thru Tom Heikkinen to Steve Genvin; Design Guideline DG-08. Specific Data H. Map Map Reference Code: This project is needed to replace the existing Damascus Centre WWPS, a privately-built package plant that was taken over by WSSC in the 970%. The existing station is plagued with numerous problems and design deficiencies. MAP NOT AVAILABLE STATUS Planning (WSSC Contract No. CP4508A06,). The project scope has remained the same. Costs shown are preliminary planning level estimates only and may change based upon site specific conditions and design onstraints. The cost estimate is based on replacement of the existing station with a new station and design of the project with development Interests in the Damascus Town Center area regarding options to also serve master planner planner planning the project scope has remained the replacement NWPS. Land costs are included in WSSC Project S-201.00. MAP NOT AVAILABLE COORDINATION Montgomery County Government, Maryland-National Capital Park & Planning Commission and Montgomery County Department of foreit mercent where of the park to the planning counties of the project scope has remained the project with development interests in the Damascus Town Center area regar										
NOTE This project supports 100	% System (mprover	nent.								

A. Identification and Coding Info	ite: Octo	ber 1, 200		7. Pre PD	F Pg.No.:	8. Req.	Adeq. Pu	ib, Fac.	E. Annual Operating Budget Impact (00	D's)	FY of Impa	ct			
1. Project Number Agency Number	er Update	Code	Revis	od: May	7 2000							Program Costs Staff			
	Change	e		seu. May	7,2000							Facility Costs Maintenance			
3. Project Name: Water Reconstr	uction Progr	ram					5.Agency:	W	SSC			Debt Service	45579	11	6
4. Program: Sanitation	6. Plannir	ng Area:	Bi-Co	ounty								Impact on Water or Sewer Rate	45579 90¢ .	11 11	6
B			Expenditu	ure Sched	lule (000'	s)						F. Approval and Expenditure Data (000'	 s)		=
	(8)	(9) Thru	(10) Estimate	(11) Total	(12) Year 1	(13) Year 2	(14) Year 3	(15) Year 4	(16) Year 5	(17) Year 6	(18) Beyond	Date First in Capital Program		EV -	ר
Cost Elements	Totai	FY '08	FY '09	6 Years	FY '10	FY '11	FY '12	FY '13	FY '14	FY '15	6 Years	Date First Approved	;		-
Planning, Design & Supervision	105,907	<u> </u>	9,802	96,105	10,615	12,856	14,880	16,999	19,217	21,538					ון
Land															ļ
Site Improvements & Utilities		<u> </u>										Cost Estimate Last FY		410,188	
Construction	314,302		26,822	287,480	29,009	37,188	44,112	51,358	58,940	66,873		Present Cost Estimate		522,616]
Other	102,407		10,295	92,112	11,010	12,848	14,455	16,139	17,905	19,755		Approved Request, Last FY		45,340	
Total	522,616		46,919	475,697	50,634	62,892	73,447	84,496	96,062	108,166		Total Expenditures & Encumbrances]
C.			Funding	g Schedu	le (000's)			<u> </u>				Approval Request FY 10		50,634	
WSSC Bonds	522,616		46,919	475,697	50,634	62,892	73,447	84,496	96,062	108,166		Supplemental Approval Request			■ 7
D. Description & Justification		_! 	·								~	Current FY (09)]
DESCRIPTION												·			
discoloration at the customer' domestic use and fire fighting other mains are undersized fo Galvanized, copper and cast i when they have exceeded the * EXPENDITURES FOR WAT	s tap. Selec . As the sys or the curren iron water se ir useful life. TER RECON	sted replaced stem ages t flow star ervices, as NSTRUCT	cement is , water m ndards. R s well as a ION ARE	necessar ain breaks eplaceme all other wa	y to supply s are incre nt of these ater main ED TO CC	y water ir asing. S e mains p appurten	sufficien Selected n provides a ances, are	t quantity, nains are idded valu e replaced	quality a chronical le to the o l on an as	nd pressu ly breakin customer, s needed l	re for g and basis	% Project Completion:Not ApplicableEst. Completion Date:On-GoingH. MapMap Reference Code:			
Service Area Bi-CountyArea	a														
Plans & Studies Flow studies, water system modeling, and field surveys are routinely conducted. A staff level report: Water Main Condition Assessment, 1915-1998; Analysis and Recommendations by the Water Main Reconstruction Work Group (June, 1999) examined the historical main break data for performance measures to define, characterize, and prioritize the future replacement needs of the distribution system. An early outcome of this project identified the need to increase the frequency of water main replacement. Specific Data The program's projected work units and expenditure levels for FY'10 (including overhead) are as follows: main replacement, 31 miles - \$43.3.3.M; water house connection renewals, 1,540 services - \$3.0.0.4; large water service replacement program - \$4.3.8. Note: The specific mix and type of water main reconstruction may vary in any given year depending on the nature and priority of the work to be addressed, however, work is limited to the fiscal allocation for the program. Program level may change in future years subject to results of the 30 Year Infrastructure Plan. Cost Change The program costs increased to reflect an increase in replacement miles and greater emphasis on the large meter replacement program. STATUS Under Construction OTHER															
OTHER The project scope has remained	ed the same	e. The wat	er recons	truction pr	ogram ha	s been o	ngoing sir	nce 1979.	Funding	in the six-	year				

Agency Number: W - 1.00 Project Name: Water Reconstruction Program

program period is subject to Spending Affordability Guideline limits. The following work accomplishments through FY'08 summarize the magnitude of the reconstruction effort: water main cleaning and lining, 1,137 miles completed; water main replacement, 175 miles completed. It is anticipated water reconstruction activity will be a perpetual element of future work programs.

COORDINATION

Maryland State Highway Administration, Montgomery County Department of Public Works and Transportation, Montgomery County Government (including local municipalities where work is to be performed), Prince George's County Government (including local municipalities where work is to be performed), Prince George's County Department of Public Works & Transportation and Local Community Civic Associations.

A. Identification and Coding Info	rmation		2. Date	: Octo	ber 1, 20	09	7. Pre PD	F Pg.No.:	8. Req.	Adeq. Pu	ub. Fac.	E. Annual Operating Budget Impact (000's) FY of Imp
1. Project Number Agency Numbe	r Update	Code	Roviso	d May	7 2000							Program Costs Staff
S-1.01	Change	9	I CVI3C	u. Widy	7,2003							Facility Costs Maintenance
3. Project Name: Sewer Reconstru	uction Progr	ram					5.Agency	W	SSC			Debt Service 47777
4. Program: Sanitation	6. Plannin	ig Area:	Bi-Cou	nty								Infact on Water or Sewer Rate 94¢
R		Ex	penditur	e Sched	lule (000	's)						E Approval and Expenditure Data (000'a)
	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
Cost Elements	Total	Thru E	stimate	Total 6 Years	Year 1 FY '10	Year 2	Year 3 FY '12	Year 4	Year 5	Year 6	Beyond 6 Years	Date First in Capital Program FY
Planning, Design & Supervision	106,574		14,736	91,838	10,122	20,535	20,993	15,877	16,353	7,958	o reals	Date First Approved FY
Land	4,000		3,300	700	700						<u> </u>	Initial Cost Estimate
Site Improvements & Utilities									<u> </u>		[Cost Estimate Last FY 247,57
Construction	360,227		49,256 3	10,971	37,704	68,188	69,719	53,136	54,729	27,495		Present Cost Estimate 551,89
Other	81.097		11,124	69,973	8,281	15,478	15,823	11,988	12,348	6,055	1	Approved Request, Last FY 32.363
Total	551,898	1	78,416 4	73,482	56,807	104,201	106,535	81,001	83,430	41,508	<u> </u>	Total Expenditures & Encumbrances
		<u></u>	unding	Schodul		<u> </u>	<u> </u>	<u> </u>	<u> </u>		L	Approval Request FY 10 56 807
U. WSSC Bonds	547 898		78 416 4	69 482	52 807	104 201	106 535	81 001	83 430	41 508	T	
Federal Aid	4 000			4 000	4 000		100,000					Supplemental Approval Request
	4,000			-,000	4,000			<u> </u>		L	L	
* EXPENDITURES FOR SEW * EXPENDITURES FOR SEW Service Area Bi-CountyArea JUSTIFICATION	hat may res	ISTRUCTIO	omprehei N ARE E	ioes not nsive ba	ED TO C	ONTINUE	any majo are funded	vitely.	aly in the (s.g. CIP's CIP.	ize	
Plans & Studies												
Comprehensive Basin Studies, inspections, trunk sewer walkin	Sewer Sys ig, and/or o	tem Evaluat	tion Surve s investig	eys, Line gating sp	e Blockaç becific po	ge Assess rtions of t	ments, fie he collect	eld survey ion syster	s, closed n.	circuit TV	,	
Specific Data											ļ	
The program's projected work t miles main lining - \$34.1 M; 11 repairs - \$3.0 M; purchase of P specific mix and type of sewer limited to the fiscal allocation fo Infrastructure Plan.	units and ex miles latera atuxent Re reconstruction or the progra	kpenditure le al lining - \$14 servoir buffe ion may vary am. Prograr	evels for F 4.5 M; se r properti y in any g m level m	FY'10 (in wer hou ies and jiven yea nay chan	ncluding o ise conne easemen ar depeno ige in futu	overhead) ection rene its for wat ding on ide ure years	are as fol ewals, 800 er supply entified sy subject to	llows: Sev D services protectior vstem defe results o	ver recons - \$4.5 M; - \$0.7M. ects. How f the 30 Y	struction, emerger Note: Ti vever, woi ear	46 ncy he rk is	
Cost Change												
The program cost increased to	reflect incre	eased costs	for latera	al lining r	miles.							
STATUS Under Construction												
<u>DTHER</u>												
The project scope has remaine	d the same	. The progra	m sched	ule and	expenditu	ures show	n above r	eflect the	terms of	the Sanita	ary	

Agency Number: S - 1.01 Project Name: Sewer Reconstruction Program

Sewer Overflow Consent Decree. The Consent Decree between WSSC, Maryland Department of the Environment (MDE), and the EPA was entered into on December 7, 2005. The sewer reconstruction program was established in 1979.

The following work accomplishments through FY'08 summarize the magnitude of this reconstruction effort: sewer main reconstruction, 230 miles; and sewer house connection renewals, 14,022. It is anticipated that sewer reconstruction activity will be a perpetual element of future work programs.

COORDINATION

Maryland State Highway Administration, Montgomery County Department of Public Works and Transportation, Montgomery County Government (including local municipalities where work is to be performed), Prince George's County Government (including local municipalities where work is to be performed), Maryland Department of the Environment (SSO Consent Decree Compliance), Prince George's County Department of Public Works & Transportation, U.S. Environmental Protection Agency, Region III (SSO Consent Decree Compliance) and Local Community Civic Associations.

2. Date: October 1, 2008 Revised: January 21, 2009 Bi-County Denditure Schedule (000's) (10) (11) (12) (10) (11) (12) Stimate Total Year 1 FY '09 6. Years FY '10 6. Years FY '10 FY 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 300 300 300 1,800 300 300 consolidation of a diverse grouperous support facilities that are of ARE EXPECTED TO CONTINUE	7. Pre PDF F 5. Agency: 3) (14) ar 2 Year 3 Y '11 FY '12 F 000 10,000 1 000 10,000 1 000 10,000 1 000 300 300 300 300 300 Jp of projects who owned, operated,	Pg.No.: 8. Req. WSSC (15) (16) fear 4 Year 5 FY '13 FY '14 10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 300 300 ose unified purpol, and maintained	Adeq. Pub. Fac	E. Annual Operating Budget Impact (000's) FY of Impact Program Costs Staff
Revised: January 21, 2009 Bi-County penditure Schedule (000's) (10) (11) (12) (10) (11) (12) (10) (11) Year Year Year Year FY '09 6 Years FY '10 10,000 60,000 10,000 10,000 10,000 60,000 10,000 10,000 unding Schedule (000's) 9,400 9,400 9,400 56,400 9,400 9,400 300 1,800 300 300 consolidation of a diverse grouperous support facilities that are of ARE EXPECTED TO CONTINUE	5. Agency: 3) (14) ar 2 Year 3 Y '11 FY'12 F 000 10,000 1 000 10,000 1 000 300 300 300 300 300 300 Jp of projects who owned, operated	WSSC (15) (16) Year 4 Year 5 FY '13 FY '14 10,000 10,000 9,400 9,400 300 300 300 300 0,000 300 0,000 300 0,000 9,400	(17) (18) Year 6 Beyo FY'15 6 Yea 10,000 9,400 300 300 300	Program Costs Staff
Bi-County Denditure Schedule (000's) (10) (11) (12) stimate Total Year 1 FY '09 6 Years FY '10 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 56,400 9,400 9, 300 1,800 300 300 300 1,800 300 300 consolidation of a diverse grouperous support facilities that are of the superous support facilities that are of the superous support facilities	5.Agency: 3) (14) ar 2 Year 3 Y '11 FY'12 F 000 10,000 1 000 10,000 1 000 9,400 300 300 300 300 Jp of projects who owned, operated,	WSSC (15) (16) Year 4 FY '13 FY '14 10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 300 300 0,000 10,000	(17) (18) Year 6 Beyo FY'15 6 Yez 10,000 10,000 9,400 300 300 300	Facility Costs Maintenance 5738 16 Debt Service 5738 16 Impact on Water or Sewer Rate 11¢ 15 F. Approval and Expenditure Data (000's) 16 Date First In Capital Program FY 87 Date First Approved FY 87 Initial Cost Estimate 10 Cost Estimate Last FY 10,000 Approved Request, Last FY 10,000 Supplemental Approval Request 10,000 G. Status Information Land Status: Land Status: Not applicable % Project Completion: On-Going Est, Completion Date: On-Going
Bi-County 20enditure Schedule (000's) (10) (11) (12) (11) stimate Total Year 1 Yea FY '09 6 Years FY '10 FY 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 300 300 300 1,800 300 300 300 1,800 300 300 consolidation of a diverse grouperous support facilities that are of the superous support facilities the superous support facilities the superous support facilities the superous superous superous superous superous suport facilities the sup	3) (14) ar 2 Year 3 Y '11 FY '12 F 000 10,000 1 000 10,000 1 000 300 300 300 300 300 300 300 300 300 300 300	WSSC (15) (16) Year 4 Year 5 FY '13 FY '14 10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 300 300 0,000 300 0,000 300	(17) (18) Year 6 Beyol FY'15 6 Yea 10,000 9,400 300 300 300	Debt Service \$738 15 Total Costs \$738 18 Impact on Water or Sewer Rate 11¢ 15 F. Approval and Expenditure Data (000's) 11¢ 16 Date First In Capital Program FY 87 Date First Approved FY 87 Initial Cost Estimate 11¢ Cost Estimate Last FY 10,000 Approved Request, Last FY 10,000 Total Expenditures & Encumbrances 10,000 Supplemental Approval Request 10,000 Supplemental Approval Request Current FY (09) G. Status Information Land Status: Land Status: Not applicable % Project Completion: On-Going Est, Completion Date: On-Going
BI-County penditure Schedule (000's) (10) (11) stimate FY '09 6 Years FY '10 FY '10 10,000 60,000 1	3) (14) ar 2 Year 3 Y 11 FY 12 F 000 10,000 1 000 10,000 1 000 10,000 1 000 300 300 300 300 300 300 Jp of projects who owned, operated	(15) (16) Year 4 Year 5 FY '13 FY '14 10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 300 300 0,000 300 0,000 10,000	(17) (18) Year 6 Beyol FY '15 6 Yea 10,000 9,400 300 300 300	India Costs 5738 16 Impact on Water or Sewer Rate
Denditure Schedule (000's) (10) (11) (12) (1) stimate Total Year 1 Year 1 FY '09 6 Years FY '10 FY 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 56,400 9,400 9, 300 1,800 300 300 300 300 1,800 300 300 300 consolidation of a diverse grouperous support facilities that are of the superous support facilities that are of the superous support facilities 300 300	3) (14) ar 2 Year 3 Y '11 FY '12 F 000 10,000 1 000 10,000 1 000 10,000 1 000 300 300 300 300 300 300 300 300 Jp of projects who owned, operated JE INDEFINITE N	(15) (16) Year 4 Year 5 FY '13 FY '14 10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 300 300 0,000 10,000 9,400 9,400 0,000 10,000 9,400 9,400 0,000 10,000 0,000 10,000 0,000 0,000 10,000 0,000	(17) (18) Year 6 Beyon FY'15 6 Yea 10,000 9,400 300 300 200 200 200 200 200 200 200 2	F. Approval and Expenditure Data (000's) Date First In Capital Program FY 87 Date First Approved FY 87 Initial Cost Estimate Initial Cost Estimate Cost Estimate Last FY Initial Cost Estimate Present Cost Estimate 70,000 Approved Request, Last FY 10,000 Total Expenditures & Encumbrances Approval Request FY 10 Supplemental Approval Request Initial Corrent FY (09) G. Status Information Land Status: Land Status: Not applicable % Project Completion: On-Going Est, Completion Date: On-Going
(10) (11) (12) (11) stimate Total Year 1 Year 1 FY '09 6 Years FY '10 FY 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 56,400 9,400 9, 300 1,800 300 300 300 300 1,800 300 300 300 consolidation of a diverse grouperous support facilities that are of ARE EXPECTED TO CONTINU ARE EXPECTED TO CONTINU	3) (14) ar 2 Year 3 Y '11 FY '12 F 000 10,000 1 000 10,000 1 000 9,400 300 300 300 300 Jp of projects who owned, operated,	(15) (16) Year 4 Year 5 FY '13 FY '14 10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 300 300	(17) (18) Year 6 Beyo FY '15 6 Yea 10,000 9,400 300 300 300	Indext Program FY 87 Date First In Capital Program FY 87 Date First Approved FY 87 Initial Cost Estimate Initial Cost Estimate Cost Estimate Last FY Initial Cost Estimate Present Cost Estimate 70,000 Approved Request, Last FY 10,000 Total Expenditures & Encumbrances Approval Request FY 10 Supplemental Approval Request Initial 0,000 G. Status Information Land Status: Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
stimate Otal Year 1 Year 1 </td <td>ar 2 Year 3 Y 11 FY 12 F 000 10,000 1 000 10,000 1 400 9,400 300 300 300 300 300 300 300 Jp of projects who owned, operated, Image: State of the state</td> <td>Year 4 Year 5 FY '13 FY '14 10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 300 300 and maintained</td> <td>Year 6 Beyon FY '15 6 Yea 10,000 </td> <td>dd Date First In Capital Program FY 87 Date First Approved FY 87 Initial Cost Estimate Initial Cost Estimate Cost Estimate Last FY Initial Cost Estimate Present Cost Estimate 70,000 Approved Request, Last FY 10,000 Total Expenditures & Encumbrances Approval Request FY 10 Supplemental Approval Request 10,000 G. Status Information Land Status: Land Status: Not applicable % Project Completion: On-Going Est, Completion Date: On-Going</td>	ar 2 Year 3 Y 11 FY 12 F 000 10,000 1 000 10,000 1 400 9,400 300 300 300 300 300 300 300 Jp of projects who owned, operated, Image: State of the state	Year 4 Year 5 FY '13 FY '14 10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 300 300 and maintained	Year 6 Beyon FY '15 6 Yea 10,000	dd Date First In Capital Program FY 87 Date First Approved FY 87 Initial Cost Estimate Initial Cost Estimate Cost Estimate Last FY Initial Cost Estimate Present Cost Estimate 70,000 Approved Request, Last FY 10,000 Total Expenditures & Encumbrances Approval Request FY 10 Supplemental Approval Request 10,000 G. Status Information Land Status: Land Status: Not applicable % Project Completion: On-Going Est, Completion Date: On-Going
10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, unding Schedule (000's) 9,400 9,4 9,400 59,400 9,400 9,4 300 1,800 300 300 300 1,800 300 300 consolidation of a diverse grouperous support facilities that are of ARE EXPECTED TO CONTINUE	000 10,000 1 000 10,000 1 400 9,400 300 300 300 300 300 300	10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 ose unified purpo	10,000 10,000 9,400 300 300 300	Date First Approved FY 87 Initial Cost Estimate Initial Cost Estimate Cost Estimate Last FY Image: Cost Estimate Present Cost Estimate 70,000 Approved Request, Last FY 10,000 Total Expenditures & Encumbrances Image: Cost Estimate Approval Request FY 10 10,000 Supplemental Approval Request Image: Current FY (09) G. Status Information Land Status: Land Status: Not applicable % Project Completion: On-Going Est, Completion Date: On-Going
10,000 60,000 10,000 10, 0,000 60,000 10,000 10, 0,000 60,000 10,000 10, 0,000 50,000 10,000 10, unding Schedule (000's) 9,400 9,400 9,400 300 1,800 300 300 300 1,800 300 300 consolidation of a diverse grouperous support facilities that are of ARE EXPECTED TO CONTINUE	000 10,000 1 000 10,000 1 400 9,400 300 300 300 300 300 300	10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 0se unified purpo	10,000 10,000 9,400 300 300 300	Initial Cost Estimate Cost Estimate Last FY Present Cost Estimate Approved Request, Last FY Total Expenditures & Encumbrances Approval Request FY 10 Supplemental Approval Request Current FY (09) G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, 10,000 60,000 10,000 10, unding Schedule (000's) 9,400 9,400 9,400 300 1,800 300 300 300 300 1,800 300 300 300 aconsolidation of a diverse grouperous support facilities that are of ARE EXPECTED TO CONTINUE 300 300	000 10,000 1 000 10,000 1 400 9,400 300 300 300 300 300 300 up of projects who owned, operated	10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 000 000 000 00 000 000 000 000 000 0000 0000 000 000 000 0000 0000 000 000 000 000 000	10,000 9,400 300 300	Cost Estimate Last FY Present Cost Estimate Approved Request, Last FY 10,000 Total Expenditures & Encumbrances Approval Request FY 10 Supplemental Approval Request Current FY (09) G. Status Information Land Status: Not applicable % Project Completion: On-Going Est, Completion Date: On-Going
0,000 60,000 10,000 10,000 0,000 60,000 10,000 10,000 unding Schedule (000's) 9,400 9,400 9,400 300 1,800 300 300 300 1,800 300 300 consolidation of a diverse groue are on support facilities that are on are on support facilities	000 10,000 1 000, 10,000, 1 400 9,400 300 300 300 300 Jp of projects which owned, operated owne	10,000 10,000 10,000 10,000 9,400 9,400 300 300 300 300 005e unified purpo	10,000 10,000 9,400 300 300 se is to support	Present Cost Estimate 70,000 Approved Request, Last FY 10,000 Total Expenditures & Encumbrances 10,000 Approval Request FY 10 10,000 Supplemental Approval Request Current FY (09) 10,000 G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
0,000 60,000 10,000 10, unding Schedule (000's) 9,400 9,400 9,400 9,400 300 1,800 300	000, 10,000, 1 400 9,400 300 300 300 300 Jp of projects who owned, operated	9,400 9,400 300 300 300 300 005e unified purpo	9,400 300 300	Approved Request, Last FY 10,000 Total Expenditures & Encumbrances Approval Request FY 10 10,000 Supplemental Approval Request Current FY (09) G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
0,000 60,000 10,000 10,000 unding Schedule (000's) 9,400 9,400 9,400 9,400 300 1,800 300	000 10,000 11 400 9,400 300 300 300 300 300 300 300 up of projects who owned, operated, operated, operated 10	9,400 9,400 300 300 300 300 005e unified purpo	9,400 300 300	Total Expenditures & Encumbrances Approval Request FY 10 Supplemental Approval Request Current FY (09) G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
unding Schedule (000's) 9,400 59,400 9,400 9,4 300 1,800 300 3 300 1,800 300 3 consolidation of a diverse grou erous support facilities that are of ARE EXPECTED TO CONTINU	400 9,400 300 300 300 300 up of projects who owned, operated	9,400 9,400 300 300 300 300 000 300	9,400 300 300 2556 is to support	Approval Request FY 10 Supplemental Approval Request Current FY (09) G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
9,400 56,400 9,400 9,4 300 1,800 300 300 300 300 1,800 300 300 300 consolidation of a diverse grouperous support facilities that are of ARE EXPECTED TO CONTINUE	400 9,400 300 300 300 300 Jp of projects who owned, operated	9,400 9,400 300 300 300 300 000 300	9,400 300 300 200 200 200 200 200 2	G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
300 1,800 300 300 300 1,800 300 300 consolidation of a diverse grou are diverse grou erous support facilities that are diverse ARE EXPECTED TO CONTINU	300 300 300 300 up of projects who owned, operated	300 300 300 300 ose unified purpo	300 300 ose is to support	G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
300 1,800 300 consolidation of a diverse grou erous support facilities that are of ARE EXPECTED TO CONTINU	300 300	300 300 ose unified purpo	300	G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
consolidation of a diverse grou erous support facilities that are o ARE EXPECTED TO CONTINU	up of projects who owned, operated,	ose unified purpo	ose is to support	G. Status Information Land Status: Not applicable % Project Completion: On-Going Est. Completion Date: On-Going
Phase 1A, Sterns & Wheler (Ju nplementation Plan, Sterns & V er Plan or result from direct req n the form of planning, design, ily include work needed to upgra fety and security, or rehabilitate rammed in the WSSC Six-Year	Ily 2007); Utility M Wheler (April 2004 quests from the C and construction rade operating eff e aging facilities. Capital Improve	Y. Master Plan Asse 18) Customer Care a 1 to meet a wide ficiency, modify of The ESP does ements Program	et Management and Production range of needs, existing not include or projects to	H. Map Map Reference Code: MAP NOT APPLICABLE
	the form of planning design, y include work needed to upgr ety and security, or rehabilitate ammed in the WSSC Six-Year ccess provides a stable fundin tized and then initiated subjec	the form of planning, design, and construction y include work needed to upgrade operating ef ety and security, or rehabilitate aging facilities. ammed in the WSSC Six-Year Capital Improve bcess provides a stable funding level for project tized and then initiated subject to the available	the form of planning, design, and construction to meet a wide y include work needed to upgrade operating efficiency, modify ety and security, or rehabilitate aging facilities. The ESP does ammed in the WSSC Six-Year Capital Improvements Program bcess provides a stable funding level for projects that require en tized and then initiated subject to the available funding for the f	the form of planning, design, and construction to meet a wide range of needs. y include work needed to upgrade operating efficiency, modify existing ety and security, or rehabilitate aging facilities. The ESP does not include ammed in the WSSC Six-Year Capital Improvements Program or projects to pocess provides a stable funding level for projects that require engineering tized and then initiated subject to the available funding for the fiscal year.

ł

A. Identification and Coding Infor	mation		2. Da	te [.] Octo	ber 1, 200)8	7. Pre PD	F Pg.No.:	8. Req.	Adeq. Pu	ub. Fac.	E. Annual Operating Budget Impact (000's) FY of Impact
1. Project Number Agency Number	Update	Code			7 0000	Γ						Program Costs Staff
A-103.01	Add		Revis	ed: May	7, 2009							Other Facility Costs Maintenance
3. Project Name: Biogas Productio	n Feasibilit	y Study				ŧ	5.Agency	: W	SSC			Debt Service
4. Program: Sanitation	6. Plannin	g Area:	Bi-Co	unty								I otal Costs
B.			Expenditu	re Sched	lule (000'	s)						F. Approval and Expenditure Data (000's)
	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
Cost Elements	Total	FY '08	Estimate FY '09	otal 6 Years	FY '10	Year 2 FY '11	FY '12	FY '13	FY '14	FY '15	6 Years	Date First in Capital Program
Planning, Design & Supervision	300			300	200	100						Date First Approved FY 10
Land												Initial Cost Estimate 345
Site Improvements & Utilities												Cost Estimate Last FY
Construction		1								[Present Cost Estimate 345
Other	45		-	45	30	15		<u> </u>				Approved Request, Last FY
Total	345			345	230	115						Total Expenditures & Encumbrances
6	<u> </u>	<u> </u>	Funding	Schedul	e (000's)						L	Approval Request FY 10 230
WSSC Bonds	69	<u> </u>		69	46	23	1	1			1	
Federal Aid	276		-	276	184	92			<u> </u>			Current FY (09)
Description a dostingation Description a dosting dosting Mich addition and disposal of blosolids which may in part be guaranteed by the contractor. The potential guaranteed reduction component includes annual avoided energy costs as well as operations and reliability while continuing to meet all permit requirements, and ensure a continued commitment to environmental stewardship at USSC sites. The scope of work may include, but is not limited to, the addition of anaerobic digestion equipment, gas ceaning systems, hydrogen sulfide and siloxane removal, tanks, piping, valves, purps, sludge dewatering/thickening equipment, grite moval, effluent disinfection systems, instrumentation, flow metering, power If the project, or a portion of it, is accomplished as an Energy Performance Project, a baseline will be established to identify energy usage/costs and biosolids hauling and disposal costs before the energy conservation measures will be compared annually to the actual energy savings to determine whether the guaranteed savings have been met. The contractor will pay the WSSC for any yearly shortfall if the total guaranteed savings figure is not achieved on a yearly basi												
Plans & Studies												
Appel Consultants, Urban Waste Grease Resource Assessment-NREL (November 1998); EPA, Opportunities For and Benefits Of Combined Heat and Power at Wastewater Treatment Facilities (December 2006); Brown & Caldwell, Anaerobic Digestion and Electric Generation Options for WSSC, (November 2007); Metcalf & Eddy, WSSC Sludge Digestion Study for Piscataway and Seneca (December 2007); Black & Veatch, WSSC Digester Scope and Analysis, (December 2007); JMT, Western Research Institute (WRI) Biogas Feasibility Study Scope of Work - WSSC (April 2008); JMT, Prince George's County Septage Discharge Facility Study (FOG); JMT, Montgomery County Septage Discharge Facility Study (FOG). Specific Data												
The EPA is urging wastewater utilities to utilize this commercially available technology (anaerobic digestion) to produce power at a cost below retail electricity, displace purchased fuels for thermal needs, produce renewable fuel for green power programs, enhance power reliability for the wastewater treatment plant to prevent sanitary sewer overflows, reduce biosolids production and improve the health of												

Agency Number: A - 103.01

the Chesapeake Bay, and to reduce greenhouse gas (GHG) and other air pollutants.

Based on the EPA's engineering "rules of thumb" for considering combined heat and power generation systems at a wastewater treatment plant, the Production Team believes that a capital investment of \$10,000,000 - \$12,000,000 for each plant (Seneca and Piscataway) will result in an estimated savings of \$1,000,000/year per plant in lower electricity and biosolids production costs based in part upon improved solids thickening (4% prior to digestion), two stage digestion (to improve gas production and digester efficiency), process building, pumps, piping, heat exchangers, and 350-750 kW fuel cell generator, and Class A biosolids output for each plant.

Project Name: Biogas Production Feasibility Study

Cost Change

Not Applicable

STATUS Planning

OTHER

The project scope was developed for the FY 2010 CIP and has an estimated total cost for the study of \$345,000. The feasibility study phase of the project will include analysis and recommended anaerobic process (Mesophilic or Thermophilic); analysis of potential enhancements to optimize gas production; viability of grease trap waste disposal for added energy recovery utilizing WSSC FOG Report recommendations; evaluation of digester processes, evaluation of optimum Solids Residence Time (SRT), etc., to produce Class A or Class B biosolids; odor control mitigation; operational impacts (and mitigation methods) to the liquid side to maintain the integrity and reliability of the Enhanced Nutrient Removal (ENR) design of both plants; analysis of potential biosolids problems including fecal regrowth and odor quality; analysis of engine, turbine, and fuel cell power systems and heat recovery options; and development of preliminary capital cost and lifecycle cost estimates.

The study consists of three Tasks: Task I will provide a technology overview to develop preliminary costs and equipment requirements to allow identification of the options that best support the WSSC's long-term goals; Task II will further develop the selected alternatives, to provide detailed cost estimates and equipment requirements and will provide a Basis of Design document to guide subsequent detailed design; and Task III will summarize the recommendations in a technical report to the Commission.

At the completion of the feasibility study, the Commission will have a defined scope, capital cost, and energy and energy-related cost savings estimates (including GHG credit savings) to be able to proceed with the detailed design and construction of the Biogas and/or combined heat and power generation system facility. As part of the feasibility study, the digestion and side stream, odor control, and all primary processes will be determined, as will the bi-product selection and generation technology, size, and capacity of all major process equipment.

It is envisioned that either the entire project, or only the portion of the project that includes the production of bio-methane, methanol, or combined heat and power, include a guarantee by the Contractor that the capital cost will be paid back 100% from energy and energy-related cost savings with the payback period not exceeding 15 years. The energy savings for other completed WSSC Energy Performance projects have surpassed the contracts' guaranteed amount every year of the monitoring and verification period. The annual energy and energy-related savings guarantee of the energy performance portion of the project is estimated to be \$2,000,000.

Additional savings in the form of Carbon Credits are estimated to be captured starting in FY'11, within the Regional Greenhouse Gas Initiative (RGGI) auction process established by the Maryland Department of the Environment or through a new Federal Cap and Trade Program. The value of these credits is expected to add approximately 10-15% to the anticipated annual energy and energy-related (biosolids reduction) savings from the installation of energy efficient equipment in the WSSC's wastewater treatment plants included in this program. We will be able to develop more detailed information on which to base a more accurate estimate of the value of these credits as State and Federal programs regulations are formalized. In March 2009 WSSC received notice of award of a federal grant of \$570,900 through the U.S. Department of Energy. The funding schedule above reflects the 80% federal funding share and the WSSC's required 20% local share.

COORDINATION

Montgomery County Government, Prince George's County Government, Montgomery County Department of Environmental Protection, Maryland Department of the Environment, Prince George's County Department of Environmental Resources and WSSC Projects S-53.21, Seneca WWTP Enhanced Nutrient Removal, S-53.22, Seneca WWTP Expansion, Part 2 and S-96.12, Piscataway WWTP Enhanced Nutrient Removal.

NOTE This project supports 100% System Improvement.

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 Montgomery County and Bi-County Projects.

COUNTY		
<u>NUMBER</u>	CATEGORY	PROJECTS
043802	Montgomery	Fortune Parc Sewer Main
043800	Montgomery	Lower Seneca Basin Sewer
934813	Montgomery	Observation Drive Water Main, PT 3
033806	Montgomery	Seneca WWTP Ultraviolet Disinfection Facilities
083808	Bi-County	Septic Discharge Facility Study
083805	Montgomery	Upper Rock Relief Sewer
973835	Bi-County	Wheaton Water Main Modifications