



# THE PRINCE GEORGE'S COUNTY GOVERNMENT

(301) 952-3700

County Council

APR 27 2016

## MEMORANDUM

TO: Todd M. Turner, Chair  
Transportation, Housing and the Environment (THE) Committee

THRU: Robert J. Williams *RJW.*  
Council Administrator

FROM: Patrick Pope, Auditor *PP*  
Office of Audits and Investigations

Hawi Sanu, Director *HS*  
Transportation, Housing and the Environment (THE) Committee

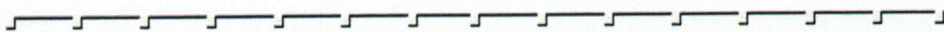
RE: **WSSC FY 2017-2022 Proposed Capital Improvements Program Staff Report**

The Washington Suburban Sanitary Commission provides water and wastewater services to over 1.8 million residents over a nearly 1,000 square mile area maintaining more than 10,000 miles of water and sewer mains. WSSC's Capital Improvements Program, the subject of this report, provides funding for the ongoing operation of 4 reservoirs, 2 water filtration plants, and 6 wastewater treatment plants.

The summary and information included in this report reflects the Proposed CIP as submitted by WSSC. Staff recommendations are included in Section VI of this report.

The FY 2017–2022 Capital Improvement Plan includes 82 projects. There is only one new project this year and it is in the Information Only section. The *six-year* program total is approximately \$2.0 billion in expenditures, \$107 million less than the FY 2016-2021 CIP level. FY 2017 expenditures total \$492.7 million, which is approximately \$53.9 million less than the FY 2016 Adopted CIP. A detailed summary of the Proposed CIP for Fiscal Years 2017-2022 with emphasis on year one (FY2017) is discussed below. WSSC plans on submitting an update on the Blue Plains project costs and a new Potomac Water Filtration Plant Consent Decree Program.

**WSSC PROPOSED FY 2017-2022 CAPITAL IMPROVEMENT PROGRAM  
STAFF REPORT**



**I. SUMMARY**

**A. Expenditures**

WSSC's proposed FY 2017 CIP totals \$492.7 million, which is \$53.9 million less as compared to the approved funding level for FY 2016. Much of the decrease can be attributed to the projected construction progress on the Broad Creek WWPS Augmentation and Blue Plains WWTP Enhanced Nutrient Removal projects. In FY 2017, these projects are proposed below the FY 2016 levels at \$26.9 million and \$28.1 respectively. The Blue Plains projects account for \$332 million within the FY 17 - 22 Proposed CIP; this is a decrease of \$69 million, or 17.2% below the FY 16-21 Adopted CIP. The Blue Plains projects account for 17% of WSSC's total CIP and 28% of WSSC's sewer projects. The Trunk Sewer Reconstruction project also accounts for a cost decrease of approximately \$30.5 million in the FY 17-22 Proposed CIP Budget.

There are five (5) projects closing out which total \$19 million. FY 2017 includes \$181 million in water projects, \$311.7 million in sewer projects. More than one third of the projects in this CIP are Development Services Process (DSP) growth projects. This CIP includes 12 Bi-County water and 9 Bi-County sewer projects, 22 Prince George's County water projects and 20 Prince George's County sewer projects.

CATEGORY	NO. OF PROJECTS	FY 2017 PROPOSED	% of TOTAL COST
<b>WATER</b>			
Bi-County	12	\$101,462	20.6%
Prince George's County	22	\$66,565	13.5%
Montgomery County	<u>7</u>	<u>\$12,956</u>	<u>2.6%</u>
<b>Subtotal</b>	<b>41</b>	<b>\$180,983</b>	<b>36.7%</b>
<b>SEWER</b>			
Bi-County	9	\$238,616	48.4%
Prince George's County	20	\$60,782	12.3%
Montgomery County	<u>12</u>	<u>\$12,345</u>	<u>2.5%</u>
<b>Subtotal</b>	<b>41</b>	<b>\$311,743</b>	<b>63.3%</b>
<b>TOTAL</b>	<b>82</b>	<b>\$492,726</b>	<b>100.0%</b>

"Information Only" projects are not formally a part of the CIP and not in the above CIP totals; however they represent a significant portion of WSSC's infrastructure related work within the FY 17-22 expenditures. Information only projects are proposed to be \$1.187 billion (an increase of 43.4 million or 3.8 percent over the FY16-21 projected amount of \$1.14 billion). The largest increases are in Sewer Reconstruction (\$45.6 million) and Energy Performance (\$18.4 million) programs.



## **B. Sources of Funds**

WSSC bonds are the principal capital project funding source. In keeping with policy objectives the Commission looks to several other funding sources especially for growth projects. Those additional sources of funds include:

- Federal and State Grants
- Local Government Contributions
- PAYGO (when budgeted)
- System Development Charges (SDC)
- Contributions/Other

## **C. Funding Growth & the Growth Funding Gap**

The Maryland General Assembly passed and later modified legislation that established a Systems Development Charge (SDC) to “help finance the capital costs of expanding and augmenting water and sewerage systems to accommodate service to subscribers in the Washington Suburban Sanitary District (WSSD) and to provide a financing mechanism to aid the Washington Suburban Sanitary Commission in paying for the capital projects thereof and providing methods and procedures by which the SDC is to be implemented and/or collected.”

<sup>1</sup>The fee was set at \$200 per fixture unit with a provision for an annual inflation adjustment and is currently \$203 per fixture unit since the Councils made no adjustment in FY 2016.

Further, per State law, each County may grant \$500,000 of narrowly defined exemptions per year. Unused portions accumulate and are available for future fiscal years. As of February 29, 2016, Prince George’s County’s unused cumulative SDC exemptions total was \$2.8 million compared to Montgomery County’s balance of \$5.8 million.

The Growth Funding Gap Chart from the FY 17-22 Capital Improvements Program document follows the format approved by both Counties, which reflects the projects that are currently in the CIP, and indicates a gap of \$33.2 million over the six-year period. The SDC Account Balance, as of February 29, 2016, was \$2.9 million. An increase in the SDC rate, at this time, does not appear to be justified to cover a short-term funding gap. WSSC is proposing to issue debt to cover any shortfall that may occur in the next few years and then repay the debt service through future SDC collections, as allowed by State Law.

## **II. NEW PROJECTS**

There is one new project in the Proposed FY 2017 CIP for a total cost of \$6.4 million over the 6 year program period and it is an information only project. The Brighton Dam Operations & Maintenance Facility and Site Improvements project provides for the replacement of two existing facilities with a new ADA compliant 4,100 square foot facility with office space for 14



employees. The project also includes a new parking configuration to facilitate visiting groups and relocation of existing fuel facilities.

*A detailed list of this new project is attached to this report in Attachment D.*

### III. BI-COUNTY PROJECTS

#### A. Water

- **Potomac Water Filtration Plant Projects.** The 5 projects in this series are slated for operational improvements to the Potomac WFP. These expenditures are in the systems improvements category and are funded with WSSC bonds.
- **Bi-County Water Tunnel.** 100% growth funded, for a total cost of \$143.8 million, this project provides for an alignment study, community outreach, and water main design and construction.
- **Duckett & Brighton Dam Upgrades.** This project was included per request of the MDE and supports 100% system improvements.
- **Large Diameter Water Pipe Rehabilitation Program.** This project will rehabilitate or replace large diameter water lines. This 100% system improvements project will be WSSC bond funded.
- **Patuxent Water Filtration Plant Projects – Raw Water Pipeline.** The Patuxent WFP serves northern Prince George’s County and a portion of eastern Montgomery County. All 3 projects are wholly funded by WSSC bonds and supports 100% system improvements and ultimately provides for completion of phase II expansion projects and a new raw water pipeline and the necessary expansion.
- **Rocky Gorge Pump Station** permitting the delivery of up to 110 MGD of raw water to the Patuxent WFP.
- **Land & Rights of Way Acquisition.** This project is a consolidated estimate of land and right of way purchases for previously approved capital projects.

*A financial list of Bi-County water projects is attached to this report in Attachment E.*

#### B. Sewer

- **Anaerobic Digestion/Combined Heat & Power.** A comprehensive long-term bio-solids management project to construct a new centralized anaerobic digestion/combined heat & power system to treat bio-solids from Piscataway, Parkway, Seneca, and Damascus wastewater treatment plants. This system is funded by both WSSC Bonds and Federal Aid.



- **Blue Plains Wastewater Treatment Plant Projects.** This group of 5 projects represents the largest group of expenditures in the proposed CIP (17%) and provides for WSSC's share of funding for the upgrade, expansion and enhancement of wastewater treatment and solids handling at the Regional Blue Plains WWTP located in Washington, DC. The Blue Plains WWTP treats approximately 66% of WSSC's wastewater.<sup>2</sup>
- **Septage Discharge Facility.** This project is 100% bond funded and wholly supports systems improvements to develop alternatives in managing septage discharge facilities in the WSSD.
- **Trunk Sewer Reconstruction Program.** This project will rehabilitate large diameter sewer mains. This 100% system improvements program is WSSC bond funded.
- **Land & Rights of Way Acquisition.** This project provides for a consolidated estimate of funding for the acquisition of land and rights-of-ways for sewer projects.

*A financial list of Bi-County sewer projects is attached to this report in Attachment F.*

#### IV. PRINCE GEORGE'S COUNTY PROJECTS

##### A. Water

There are 22 Prince George's County water projects at a cost of \$66.6 million

- **Prince George's County HG415 Zone Water Main.** This water main construction project supports 100% system improvement.
- **Old Branch Avenue Water Main.** This project equally supports growth and system improvement for water main design and construction.
- **Water Transmission Improvements 385 Pressure Zone.** This project provides for a new water transmission main that will improve system reliability through the 385 and 345 pressure zones.
- **Branch Avenue Water Transmission Improvements.** This project provides for the planning, design and construction of approximately 21,800 feet of 42-inch, and 5,400 feet of 30-inch diameter water transmission main and flow control valve along Branch Avenue in the Clinton area.
- **Marlboro Zone Reinforcement Main.** This project provides for the planning, design and construction of approximately 4,000 feet of 16 inch diameter transmission main and flow control valve along Old Marlboro Pike in the Clinton area.



- **Clinton Zone Water Storage Facility Implementation.** This project provides for the design and construction of approximately 4.0 million gallons (MG) of water storage to serve the Clinton Pressure Zone.
- **St. Barnabas Elevated Tank Replacement.** This project provides for the design and construction of approximately 2.5 million gallons (MG) of water storage to serve Prince George's High Pressure Zone HG450A and it includes the demolition of the existing St. Barnabas elevated water storage tank. This system is funded through WSSC bonds and SDC.
- **Ritchie Marlboro Road Transmission Main & PRV.** This project provides for the planning, design and construction of approximately 13,100 feet of 24 inch diameter water transmission main and pressure reducing valve to serve the Westphalia area.
- **Prince George's County 450A Zone Water Main.** This project provides for the planning, design and construction of approximately ten miles of redundant water transmission main for the 450A zone in Prince Georges County.
- **Hillmeade Road Water Main.** This water main construction project supports 100% growth.
- **John Hanson Highway Water Main, part 1.** This water main construction project supports 100% growth.
- **Oak Grove/Leeland Roads Water Main, part 2.** This water main project supports growth and system improvement equally.
- **South Potomac Supply Improvement.** This water main project supports growth and system improvement equally and funded by bonds and SDC.
- **Collington Elevated Water Storage Facility.** This project provides site selection, design and construction of up to 4 million gallons of elevated storage to serve the intermediate zone.
- **Development Services Process (DSP) & Conceptual Design Projects.** This PDF provides the necessary approval to design and construct projects (8) which serve new development or are built in conjunction with new development to reinforce the existing system or to avoid future disruption to the area and includes funds for projects in the conceptual design phase or final stages of facility planning for which reliable cost date was not available for inclusion in the proposed CIP.

*A financial list of Prince George's County water projects is attached to this report in Attachment G.*



## **B. Sewer**

There are 20 Prince George's County sewer projects at a cost of \$60.8 million.

- **Broad Creek WWPS Augmentation.** This project supports 83% growth. To eliminate overflows at the Broad Creek Wastewater Pumping Station, modifications will be made to the pumping station and/or the force main. After four (4) years of deliberation, the National Park Service (NPS) completed their Environmental Assessment and released their Findings of No Significant Impacts allowing construction to start in summer 2016 with completion in the FY 2020.
- **Western Branch Facility Upgrade;** and the **Western Branch WWTP Enhanced Nutrient Removal** which provides for improvements to meet the MDE's nutrient removal goals; **Western Branch Incinerator Emissions Control** upgrades the plant to meet EPA requirements.
- **Mattawoman WWTP Upgrades.** The costs represent WSSC's share of capital projects at Charles County's Mattawoman Wastewater Treatment Plant. These projects are WSSC bond funded.
- **Parkway WWTP Bio-solids Facility Plan.** This project is 100% system improvement.
- **Piscataway WWTP Facility Upgrades.** This project is 100% system improvement.
- **Fort Washington Forest No.1 WWPS Augmentation.** This project provides for planning, design and construction of the rehabilitation work required for the Fort Washington Forest No. 1 WWPS and the replacement of a segment of a failing 4-inch diameter force main. This project will also provide for upgrades to the existing Fort Washington Estates WWPS and upsize the force main with a new 8-inch diameter gravity sewer.

**Development Services Process (DSP) & Conceptual Design Sewer Projects.** This PDF provides the necessary approval to design and construct projects (12) which serve new development or are built in conjunction with new development to reinforce the existing system or to avoid future disruption to the area.

*A financial list of Prince George's County sewer projects is attached to this report in Attachment H.*

## **VI. RECOMMENDATIONS**

- A. Concur with WSSC to maintain SDC fees at current levels but increase the maximum ceiling on this charge as is consistent with State Law.**
- B. Concur with the PCCP program which includes inspection and Acoustical Fiber Optical Monitoring.**
- C. Concur with the addition on one new project.**
- D. Concur with WSSC on all other FY 17-22 CIP projects.**

## **APPENDICES**

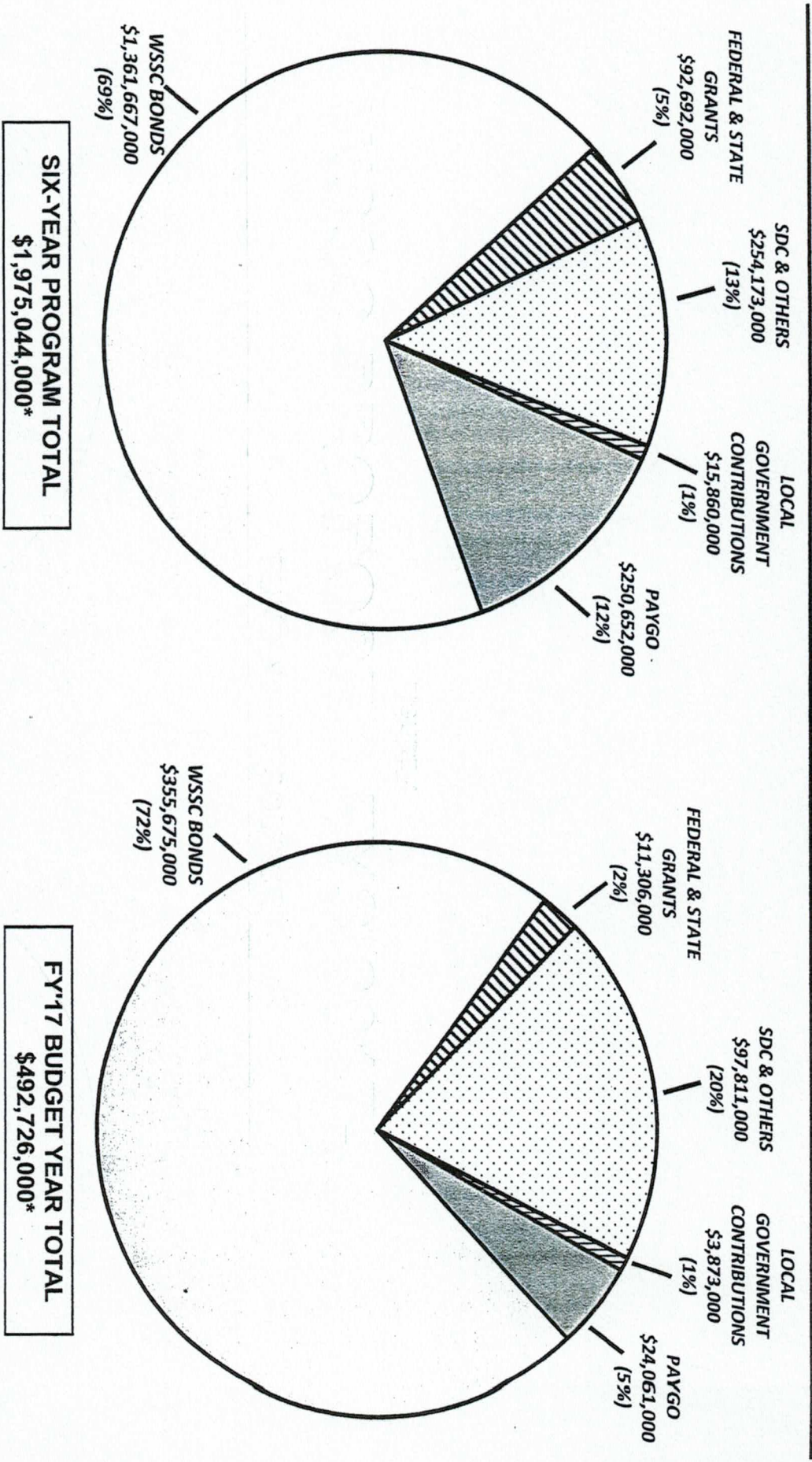
- A. WSSC Proposed FY 2017-2022 CIP, Figure 4**
- B. Total WSSC CIP Financial Summary**
- C. SDC Exemptions**
- D. WSSC FY 2017-2022 CIP New Projects Listing**
- E. Bi-County Water Projects Financial Listing**
- F. Bi-County Sewer Projects Financial Listing**
- G. Prince George's County Water Projects Financial Listing**
- H. Prince George's County Sewer Projects Financial Listing**



# WSSC PROPOSED FY'S 2017-22 CIP

FIGURE 4

## FUNDING BY SOURCE\*



\*Totals do not include expenditures for Information Only Projects in the six-year program and budget year, respectively.

# FINANCIAL SUMMARY

(ALL FIGURES IN THOUSANDS)

DATE: October 1, 2015

## TOTAL WSSC CIP

AGENCY NUMBER	PROJECT NAME	EST. TOTAL COST	EXPEND THRU 15	EST. EXPEND 16	TOTAL SIX YEARS	EXPENDITURE SCHEDULE						BEYOND SIX YEARS	PDF PAGE NUM	
						YR 1	YR 2	YR 3	YR 4	YR 5	YR 6			
	Montgomery County Water Projects	43,936	8,778	5,019	30,139	12,956	15,676	1,507	0	0	0	0	0	1-1
	Prince George's County Water Projects	316,433	36,420	29,393	230,196	66,565	67,451	34,185	11,974	17,223	32,798	20,424	20,424	5-1
	Bi-County Water Projects	867,508	267,328	77,024	523,156	101,462	95,997	108,178	89,791	71,930	55,798	0	0	3-1
	<b>TOTAL WATER PROJECTS</b>	<b>1,227,877</b>	<b>312,526</b>	<b>111,436</b>	<b>783,491</b>	<b>180,983</b>	<b>179,124</b>	<b>143,870</b>	<b>101,765</b>	<b>89,153</b>	<b>88,596</b>	<b>20,424</b>	<b>20,424</b>	
	Montgomery County Sewerage Projects	82,128	51,103	5,178	25,847	12,345	10,415	3,041	46	0	0	0	0	2-1
	Prince George's County Sewerage Projects	456,800	175,751	82,491	196,152	60,782	65,680	39,249	16,942	11,313	2,186	2,406	2,406	6-1
	Bi-County Sewerage Projects	2,619,359	1,384,251	212,960	969,554	238,616	225,699	168,313	169,368	105,814	61,744	52,594	52,594	4-1
	<b>TOTAL SEWERAGE PROJECTS</b>	<b>3,158,287</b>	<b>1,611,105</b>	<b>300,629</b>	<b>1,191,553</b>	<b>311,743</b>	<b>301,794</b>	<b>210,603</b>	<b>186,356</b>	<b>117,127</b>	<b>63,930</b>	<b>55,000</b>	<b>55,000</b>	
	<b>TOTAL WSSC PROGRAM</b>	<b>4,386,164</b>	<b>1,923,631</b>	<b>412,065</b>	<b>1,975,044</b>	<b>492,726</b>	<b>480,918</b>	<b>354,473</b>	<b>288,121</b>	<b>206,280</b>	<b>152,526</b>	<b>75,424</b>	<b>75,424</b>	
	Total Information Only Projects	1,459,597	60,335	184,255	1,186,623	208,767	198,473	203,696	205,525	194,158	176,004	28,384	28,384	7-1



## Funding Growth

The portion of the CIP needed to accommodate growth is approximately \$254 million, which equals 13% of all expenditures in the six-year program. The major funding sources for this part of the program are System Development Charge (SDC) revenues and payments by Applicants. In the event that growth costs are greater than the income generated by growth funding sources, either SDC supported or rate-supported water/sewer bonds may be used to close any gap.

The Maryland General Assembly, in 1993, first approved legislation authorizing the Montgomery and Prince George's County Councils to establish, and the WSSC to impose, a System Development Charge. This is a charge on new development to pay for that part of the Commission's Capital Improvements Program needed to accommodate growth in the WSSC's customer base. In accordance with the enabling legislation, the Councils approved, and the Commission began to phase in, this charge beginning in FY'94. The SDC charge was eventually approved at the maximum rate of \$160 per fixture unit by Commission Resolution No. 95-1457, adopted May 24, 1995, and became effective July 1, 1995. In the 1998 legislative session, the General Assembly modified the charge by passage of House Bill 832 setting the fee at \$200 per fixture unit with a provision for annual inflation adjustments. Subsequent resolutions have established a process for approving partial and full exemptions for elderly housing and biotechnology properties, as well as exemptions for properties in designated economic revitalization areas and properties used primarily for recreational and educational programs and services to youth. For FY'16, the Montgomery County and Prince George's Councils increased the maximum allowable charge by the 1.0% increase in the CPI-U, but maintained the current rate of \$203 per fixture unit by Resolution Numbers 18-162 approved May 21, 2015, and, CR-25-2015 approved May 28, 2015, respectively. The Commission adopted the Councils' actions by Resolution Number 2015-2084 dated June 17, 2015. Policies and other information associated with the System Development Charge are included in this document in Appendices A through D.

It is estimated that there will be an overall growth funding gap of \$33.2 million over the six-year program period. The gap between growth funding sources (SDC, developer contributions, and Applicant payments under System Extension Permits) and the estimated growth-related expenditures vary over the six-year period. If growth-related expenditures were to exceed the available SDC account balance, it is anticipated that WSSC would issue new SDC supported debt to cover this temporary gap rather than increasing the SDC. The debt will be repaid through future SDC collections, as allowed by State Law. Further, it is currently anticipated that no significant additional growth projects will evolve in the later years of the six-year period. (A listing of SDC-eligible projects is included in Appendix D.)

An estimate of the gap or surplus for each fiscal year is presented in the table that follows. To estimate the gap/surplus for an individual fiscal year, it is assumed that 80% of the eligible expenditures will actually be incurred in a given year due to scheduling and other delays. The projected gap/surplus is the difference between the eligible expenditures adjusted for completion and the sum of the various funding sources.



**GROWTH FUNDING GAP**  
**(In Millions)**

	<u>FY'17</u>	<u>FY'18</u>	<u>FY'19</u>	<u>FY'20</u>	<u>FY'21</u>	<u>FY'22</u>	<b>6 YEAR TOTAL</b>
<b>CIP GROWTH EXPENDITURES</b>	<b>\$97.8</b>	<b>\$89.5</b>	<b>\$40.4</b>	<b>\$6.2</b>	<b>\$6.0</b>	<b>\$14.3</b>	<b>\$254.2</b>
Expenditures Adjusted for Completion	78.2	91.2	50.2	13.1	6.0	12.6	251.3
<b>FUNDING SOURCES</b>							
Privately Funded Projects	15.8	16.0	7.4	1.7	0.7	0.9	42.5
Estimated SDC Revenue	29.8	30.0	32.0	32.0	34.0	34.0	191.8
Less SDC Developer Credits	(1.7)	(1.7)	(1.7)	(1.7)	(1.7)	(1.7)	(10.2)
Less SDC Exemptions <sup>1</sup>	(1.0)	(1.0)	(1.0)	(1.0)	(1.0)	(1.0)	(6.0)
<b>TOTAL FUNDING SOURCES</b>	<b>\$42.9</b>	<b>\$43.3</b>	<b>\$36.7</b>	<b>\$31.0</b>	<b>\$32.0</b>	<b>\$32.2</b>	<b>\$218.1</b>
<b>FUNDING GAP</b>							
<b>ADJUSTED FOR COMPLETION</b>	<b>\$35.3</b>	<b>\$47.9</b>	<b>\$13.5</b>	<b>(\$17.9)</b>	<b>(\$26.0)</b>	<b>(\$19.6)</b>	<b>\$33.2</b>

<sup>1</sup> Each County may grant SDC exemptions, as identified in Appendix A, totaling up to \$500,000 per fiscal year as provided for in Maryland State Law (Public Utilities Article, Section 25-403(b)). Unused exemption amounts are available for use in future fiscal years. Cumulative unused SDC exemptions totaled approximately \$5.3 million for Montgomery County and \$2.9 million for Prince George's County through June 30, 2015.

**Expenditures**

The FYs 2017-2022 Capital Improvements Program includes 82 projects for a grand total of \$4.4 billion dollars. Expenditures for the six-year program period are estimated at \$2.0 billion. FY'17 expenditures are estimated at \$492.7 million, which is \$53.9 million less than the funding level approved for FY'16. Of the \$492.7 million, \$181.0 million is for the Water Program and \$311.7 million is for the Sewerage Program. More than a third of the projects in this CIP are Development Services Process (DSP) growth projects. The DSP projects' estimated six-year program cost is \$42.8 million, with approximately \$19.8 million programmed in FY'17. There is one new project in the Information Only section of the CIP. New projects are shown on the New Projects Listing near the end of this section.

A table comparing the Adopted FYs 2016-2021 CIP to the Proposed FYs 2017-2022 CIP follows:



**WSSC FYS 2017 - 2022 CIP  
NEW PROJECTS LISTING**  
(costs in thousands)

Agency Number	Project Name	Total Project Cost	6 Year Program Cost	Budget Year Cost	% of Growth
<i>Information Only Projects</i>					
A-145.01	Brighton Dam Operations & Maintenance Facility and Site Improvements	\$6,448	\$5,951	\$1,357	0%
<b>TOTALS</b>		<u>\$6,448</u>	<u>\$5,951</u>	<u>\$1,357</u>	
1 New Project					

BI-COUNTY WATER PROJECTS

FINANCIAL SUMMARY  
(ALL FIGURES IN THOUSANDS)

DATE: October 1, 2015

AGENCY NUMBER	PROJECT NAME	EST. TOTAL COST	EXPEND THRU 15	EST. EXPEND 16	TOTAL SIX YEARS	EXPENDITURE SCHEDULE						BEYOND SIX YEARS	PDF PAGE NUM	
						YR 1	YR 2	YR 3	YR 4	YR 5	YR 6			
W-73.19	Potomac WFP Outdoor Substation No. 2 Replacement	15,562	1,599	4,654	9,309	6,982	2,327	0	0	0	0	0	0	3-3
W-73.21	Potomac WFP Corrosion Mitigation	15,508	1,235	12,034	2,239	2,239	0	0	0	0	0	0	0	3-4
W-73.22	Potomac WFP Pre-Filter Chlorination & Air Scour Improvements	11,200	1,070	901	9,229	2,564	6,152	513	0	0	0	0	0	3-5
W-73.30	Potomac WFP Submerged Channel Intake	80,537	3,938	315	76,284	1,050	3,098	24,360	24,308	20,055	3,413	0	0	3-6
W-73.32	Potomac WFP Main Zone Pipeline	35,009	397	402	34,210	353	605	20,052	13,200	0	0	0	0	3-7
W-127.01	Bi-County Water Tunnel	143,855	139,625	4,198	32	32	0	0	0	0	0	0	0	3-8
W-139.02	Duckett & Brighton Dam Upgrades	29,692	11,926	4,606	13,160	8,773	4,387	0	0	0	0	0	0	3-10
W-161.01	Large Diameter Water Pipe & Large Valve Rehabilitation Program	417,169	79,841	28,927	308,401	48,092	51,443	52,751	51,865	51,865	52,385	0	0	3-11
W-172.05	Patluxent WFP Phase II Expansion	64,838	10,978	16,466	37,394	17,778	14,744	4,872	0	0	0	0	0	3-14
W-172.07	Patluxent Raw Water Pipeline	32,436	12,264	42	20,130	5,610	8,910	5,610	0	0	0	0	0	3-15
W-172.08	Rocky Gorge Pump Station Upgrade	19,582	4,455	3,782	11,345	7,564	3,781	0	0	0	0	0	0	3-16
W-202.00	Land & Rights-of-Way Acquisition - Bi-County Water	2,120	0	697	1,423	425	550	20	418	10	0	0	0	3-17
<b>TOTAL BI-COUNTY WATER PROJECTS</b>		<b>867,508</b>	<b>267,328</b>	<b>77,024</b>	<b>523,156</b>	<b>101,462</b>	<b>95,997</b>	<b>108,178</b>	<b>89,791</b>	<b>71,930</b>	<b>55,798</b>	<b>0</b>	<b>0</b>	



# FINANCIAL SUMMARY

(ALL FIGURES IN THOUSANDS)

DATE: October 1, 2015

## BI-COUNTY SEWER PROJECTS

AGENCY NUMBER	PROJECT NAME	EST. TOTAL COST	EXPEND THRU 15	EST. EXPEND 16	TOTAL SIX YEARS	EXPENDITURE SCHEDULE						BEYOND SIX YEARS	PDF PAGE NUM
						YR 1	YR 2	YR 3	YR 4	YR 5	YR 6		
S-22.06	Blue Plains WWTP: Liquid Train Projects, Part 2	391,324	296,766	8,008	80,962	15,901	19,878	20,107	9,521	6,579	8,976	5,588	4-3
S-22.07	Blue Plains WWTP: Biosolids Management, Part 2	409,584	375,478	4,556	29,262	8,401	5,541	2,720	2,784	7,884	1,932	286	4-4
S-22.09	Blue Plains WWTP: Plant-wide Projects	298,436	191,793	5,977	74,502	6,766	6,646	8,688	21,577	14,176	16,649	26,164	4-5
S-22.10	Blue Plains WWTP: Enhanced Nutrient Removal	389,343	246,917	65,284	73,333	37,105	29,689	3,392	2,267	544	336	3,809	4-6
S-22.11	Blue Plains: Pipelines & Appurtenances	181,910	69,441	22,007	73,715	18,091	12,279	13,733	11,827	7,894	9,891	16,747	4-7
S-103.02	Piscataway WWTP Bio-Energy Project	144,020	1,362	998	141,660	4,254	13,252	47,934	55,440	20,780	0	0	4-8
S-170.08	Seplage Discharge Facility Planning & Implementation	14,478	919	751	12,808	2,455	3,728	3,779	2,135	711	0	0	4-10
S-170.09	Trunk Sewer Reconstruction Program	790,060	201,575	105,357	483,128	145,521	134,664	67,950	63,807	47,236	23,950	0	4-11
S-203.00	Land & Rights-Of-Way Acquisition - Bi County Sewer	204	0	20	184	122	22	10	10	10	10	0	4-12
<b>TOTAL BI-COUNTY SEWER PROJECTS</b>		<b>2,619,359</b>	<b>1,384,251</b>	<b>212,960</b>	<b>969,554</b>	<b>238,616</b>	<b>225,699</b>	<b>168,313</b>	<b>169,368</b>	<b>105,814</b>	<b>61,744</b>	<b>52,594</b>	



# FINANCIAL SUMMARY

(ALL FIGURES IN THOUSANDS)

## PRINCE GEORGE'S COUNTY WATER PROJECTS

AGENCY NUMBER	PROJECT NAME	EST. TOTAL COST	EXPEND THRU 15	EST. EXPEND 16	TOTAL SIX YEARS	EXPENDITURE SCHEDULE						BEYOND SIX YEARS	PDF PAGE NUM	
						YR 1 17	YR 2 18	YR 3 19	YR 4 20	YR 5 21	YR 6 22			
W-12.02	Prince George's County HQ415 Zone Water Main	3,374	142	173	3,059	2,098	961	0	0	0	0	0	0	5-3
W-34.02	Old Branch Avenue Water Main	26,070	1,528	122	24,420	3,336	9,762	9,708	1,614	0	0	0	0	5-4
W-34.03	Water Transmission Improvements 385B Pressure Zone	34,593	900	473	33,220	2,860	13,310	13,200	3,850	0	0	0	0	5-5
W-34.04	Branch Avenue Water Transmission Improvements	53,555	3,569	11,900	38,086	15,834	18,991	3,261	0	0	0	0	0	5-6
W-34.05	Marlboro Zone Reinforcement Main	4,443	318	77	4,048	1,354	2,694	0	0	0	0	0	0	5-7
W-62.05	Clinton Zone Water Storage Facility Implementation	12,559	1,214	385	6,120	1,980	2,948	1,192	0	0	0	0	4,840	5-8
W-65.10	St. Barrabas Elevated Tank Replacement	10,908	640	1,972	8,296	5,524	2,772	0	0	0	0	0	0	5-9
W-84.02	Ritchie Marlboro Road Transmission & PRV	12,619	1,184	396	11,039	4,413	4,413	2,213	0	0	0	0	0	5-10
W-84.03	Smith Home Farms Water Main	2,500	737	583	1,180	397	394	389	0	0	0	0	0	5-11
W-84.04	Westphalia Town Center Water Main	1,438	520	40	878	293	347	238	0	0	0	0	0	5-12
W-84.05	Prince George's County 450A Zone Water Main	40,100	370	1,229	22,917	1,609	1,609	1,990	5,903	5,903	5,903	15,584	0	5-13
W-93.01	Konterra Town Center East Water Main	1,607	89	53	1,465	619	59	334	185	268	0	0	0	5-14
W-105.01	Marlton Section 18 Water Main, Lake Marlton Avenue	2,407	28	6	2,373	374	400	400	400	400	399	0	0	5-15
W-111.05	Hillmeade Road Water Main	5,514	934	1,555	3,025	3,025	0	0	0	0	0	0	0	5-16
W-119.01	John Hanson Highway Water Main, Part 1	15,920	1,279	55	14,586	6,697	7,238	651	0	0	0	0	0	5-17
W-120.14	Lakeview at Brandywine Water Main, Part 1	193	43	0	150	10	70	70	0	0	0	0	0	5-18
W-120.15	Lakeview at Brandywine Water Main, Part 2	618	72	0	546	14	265	267	0	0	0	0	0	5-19
W-120.16	Lakeview at Brandywine Water Main, Part 3	47	14	0	33	33	0	0	0	0	0	0	0	5-20
W-123.14	Old Marlboro Pike Water Main	1,698	1,258	115	325	179	146	0	0	0	0	0	0	5-21
W-123.20	Oak Grove/leeland Roads Water Main, Part 2	12,828	6,410	2,820	3,598	3,472	126	0	0	0	0	0	0	5-22



# FINANCIAL SUMMARY

(ALL FIGURES IN THOUSANDS)

DATE: October 1, 2015

## PRINCE GEORGE'S COUNTY SEWER PROJECTS

AGENCY NUMBER	PROJECT NAME	EST. TOTAL COST	EXPEND THRU 15	EST. EXPEND 16	TOTAL SIX YEARS	EXPENDITURE SCHEDULE						BEYOND SIX YEARS	PDF PAGE NUM	
						YR 1	YR 2	YR 3	YR 4	YR 5	YR 6			
S-27.08	Westphalia Town Center Sewer Main	816	195	437	184	120	55	9	0	0	0	0	0	6-3
S-28.18	Konterra Town Center East Sewer	6,458	1,704	2,820	1,476	0	486	367	0	0	623	458	6-4	
S-43.02	Broad Creek WWPS Augmentation	175,955	47,266	62,108	66,581	35,175	20,281	10,658	467	0	0	0	6-5	
S-57.92	Western Branch Facility Upgrade	47,591	46,395	1,172	24	24	0	0	0	0	0	0	6-6	
S-57.93	Western Branch WWTP Enhanced Nutrient Removal	42,205	41,145	1,040	20	20	0	0	0	0	0	0	6-7	
S-57.94	Western Branch WWTP Inclinerator Emissions Control	22,652	2,173	2,783	17,696	11,160	6,501	35	0	0	0	0	6-8	
S-68.01	Landover Mall Redevelopment	1,241	24	95	1,122	621	338	43	40	40	40	0	6-9	
S-75.19	Brandywine Woods Wastewater Pumping Station	302	6	171	125	63	62	0	0	0	0	0	6-10	
S-75.20	Brandywine Woods WWPS Force Main	117	12	35	70	37	33	0	0	0	0	0	6-11	
S-75.21	Mattawoman WWTP Upgrades	14,323	5,185	793	7,765	3,305	2,420	1,022	1,018	0	0	580	6-12	
S-77.19	Parkway WWTP Biosolids Facility Plan Implementation	31,123	25,975	4,928	220	220	0	0	0	0	0	0	6-13	
S-86.19	Karington Subdivision Sewer	711	96	95	520	269	251	0	0	0	0	0	6-14	
S-87.15	Rodenhauser Wastewater Pumping Station	1,200	97	1,055	48	33	15	0	0	0	0	0	6-15	
S-87.16	Rodenhauser WWPS Force Main	280	90	174	16	16	0	0	0	0	0	0	6-16	
S-96.14	Piscataway WWTP Facility Upgrades	104,156	4,195	2,853	95,740	6,630	33,998	26,899	15,417	11,273	1,523	1,368	6-17	
S-131.05	Pleasant Valley Sewer Main, Part 2	825	30	190	605	375	156	74	0	0	0	0	6-18	
S-131.07	Pleasant Valley Sewer Main, Part 1	1,623	47	446	1,130	923	207	0	0	0	0	0	6-19	



# FY 2017 Proposed Budget Overview

## CAPITAL IMPROVEMENTS PROGRAM



# FY 2017 Proposed Budget Overview

## PROPOSED FY's 2017-2022 CAPITAL IMPROVEMENTS PROGRAM

- Total program \$4.4 billion
  - Total program includes 82 projects
  - Four projects closing out \$4.6 million
- Six-year program period expenditures estimated at \$2.0 billion
- FY'17 budget estimated at \$493 million





# FY 2017 Proposed Budget Overview

## INFORMATION ONLY PROJECTS

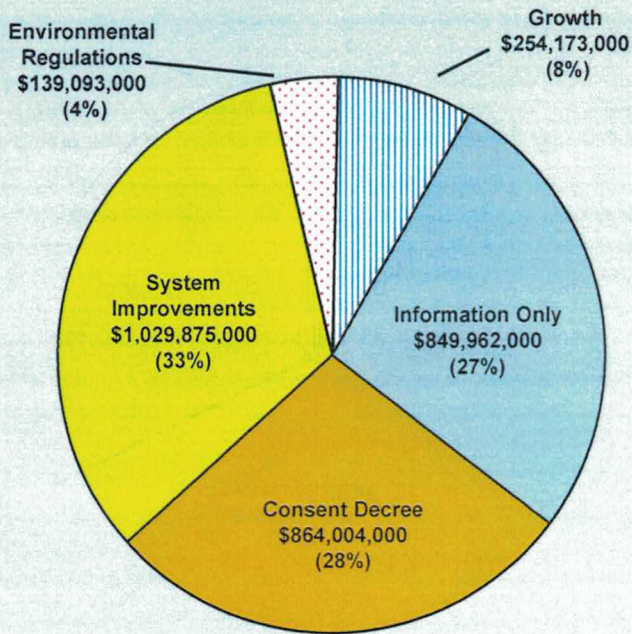
- Total program \$1.5 billion
  - One new project, ten total projects
  - Projects are not required by State Law to be included in CIP but are presented to provide additional information to our customers
- Six-year program expenditures estimated at \$1.2 billion
- FY'17 budget estimated at \$209 million



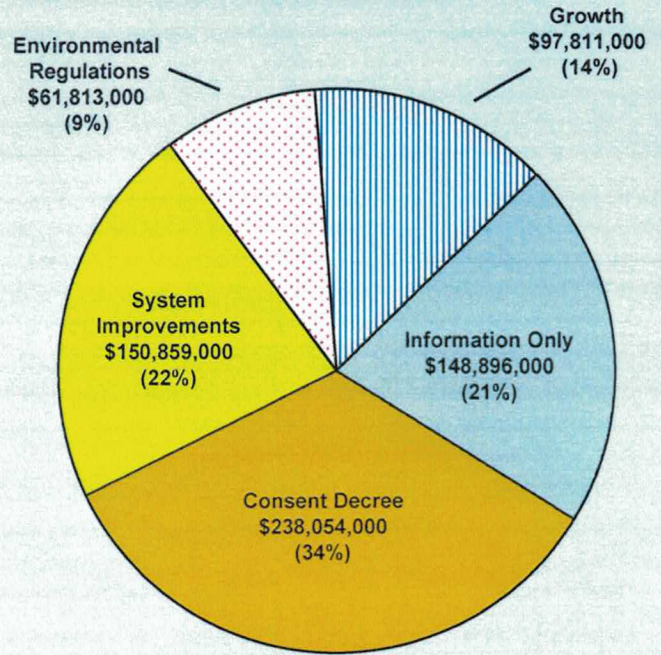


# FY 2017 Proposed Budget Overview

## COMBINED PROGRAM MAJOR CATEGORIES



Six-Year Program Total \$3,137,107,000\*



FY'17 Budget \$697,433,000\*

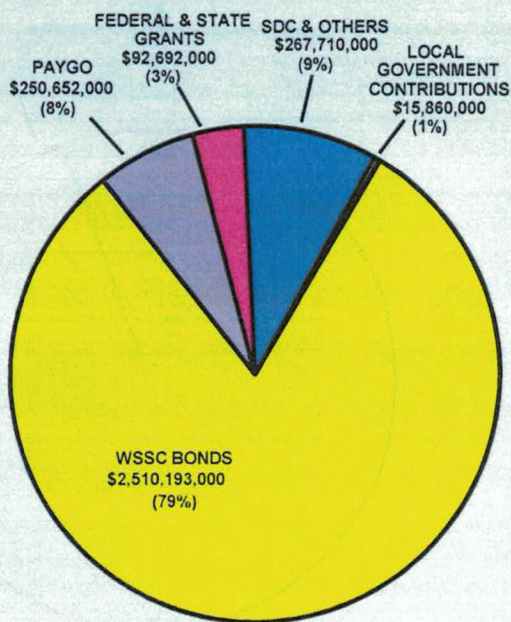


\* Totals do not include Operating Funds in Information Only Projects.

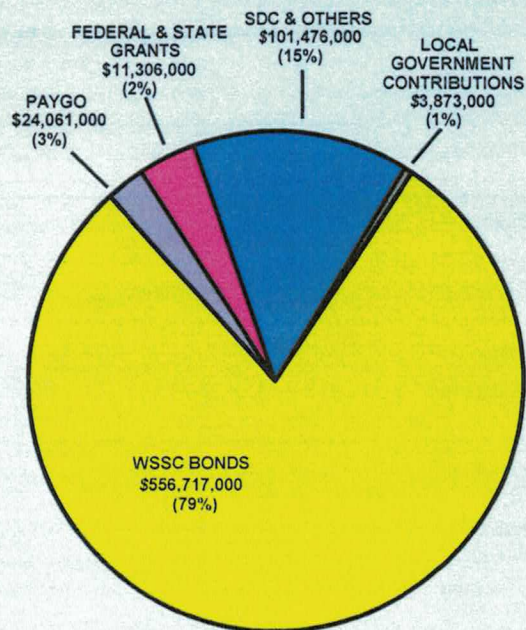


# FY 2017 Proposed Budget Overview

## COMBINED PROGRAM FUNDING SOURCES



Six-Year Program Total \$3,137,107,000\*



FY'17 Budget \$697,433,000\*



\* Totals do not include Operating Funds in Information Only Projects.



# FY 2017 Proposed Budget Overview

## NEW PROJECTS

- One new project in the Information Only section of the CIP
  - Brighton Dam Operations & Maintenance Facility and Site Improvements (A-145.01; page 7-12) this project provides for the replacement of two existing facilities with a new ADA compliant 4,100 square foot facility with office space for 14 employees. The project also includes a new parking configuration to facilitate visiting groups and relocation of existing fuel facilities. Green initiatives such as water reclamation and LEED building guidelines are also being considered in the design. (FY'17: \$1.4M; Bond Funded; Total Cost: \$6.5M; Information Only Project)

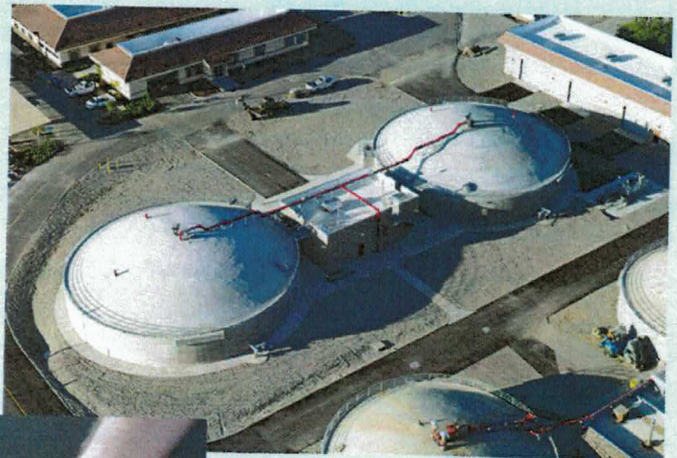


# FY 2017 Proposed Budget Overview

## HIGHLIGHTED PROJECTS

### Piscataway WWTP Bio-Energy Project (S-103.02; p.4-8)

- Construct new centralized anaerobic digestion/combined heat & power system
- Treat biosolids from Piscataway, Parkway, Seneca, and Damascus wastewater treatment plants
- Reduce biosolids volume by 50%
- Class A biosolids for beneficial re-use
- Reduce Greenhouse Gas Emissions by 15%
- Recover 2-3 megawatts of renewable energy
- Projected economic benefit of \$3.5M per year
- Preliminary design due summer 2017





# FY 2017 Proposed Budget Overview

## HIGHLIGHTED PROJECTS (cont.)

### Broad Creek WWPS Augmentation

(S-43.02, page 6-5)

- Piscataway WWTP headworks and storage upgrade expected completion summer 2016
- Northern end of force main, and southern end of force main projects expected completion summer 2017
- Pumping station modifications design completed in November 2011
- After four years of deliberation, the National Park Service completed their Environment Assessment and released their Finding of No Significant Impacts on March 7th. Anticipated construction start summer 2016 with completion in fall 2018
- Quarterly Project Update Newsletters sent out to citizens and stakeholders





# FY 2017 Proposed Budget Overview

## HIGHLIGHTED PROJECTS (cont.)

### Western Branch Wastewater Treatment Plant

The Western Branch WWTP, located just south of Upper Marlboro, treated 20.7 mgd in FY'15

- Facility Upgrade (S-57.92, page 6-6) - improvements required to rehabilitate aging systems and to continue to meet terms of NPDES discharge permit. Low interest State Revolving Loan funded. Construction substantially complete summer 2016
- Enhanced Nutrient Removal (S-57.93, page 6-7) - improvements required to meet MDE nutrient removal goals. Funded through the Bay Restoration Fund ("flush" tax). Construction substantially complete summer 2016
- Incinerator Emissions Control (S-57.94, page 6-8) - upgrades required for existing incinerators to meet US EPA Clean Air Act regulations for solid waste incineration. To bid for construction summer 2016





# FY 2017 Proposed Budget Overview

## HIGHLIGHTED PROJECTS (cont.)

### Blue Plains WWTP

The Blue Plains WWTP is owned and operated by DC Water. WSSC's share of the capital costs of the plant is approximately 46%.

- The Blue Plains WWTP treats approximately 65% of WSSC's wastewater
- The largest projects include the New Digesters, the Long-Term Control Plan tunnels, and the Enhanced Nutrient Removal projects
- At \$332 million, Blue Plains projects represent 17% of the six-year CIP program
- The FY'17 budget, at \$86.3 million, represents 18% of the budget year program





# FY 2017 Proposed Budget Overview

## HIGHLIGHTED PROJECTS (cont.)

### Enhanced Nutrient Removal

ENR projects provide for the improvements required to meet MDE's effluent permit limits and are primarily funded through the Bay Restoration Fund ("flush" tax).

- Piscataway WWTP - placed in service September 2012
- Parkway WWTP - placed in service May 2013
- Western Branch WWTP - Substantial completion summer 2016
- Damascus WWTP - placed in service January 2013
- Seneca WWTP - placed in service August 2015
- Blue Plains WWTP (DC WASA / DC Water) - New nitrogen reactor basin, main process train and tunnel construction currently underway. Projected in service in 2019. Total project cost \$389 million with overall State grant funding of approximately 53%.





# FY 2017 Proposed Budget Overview

## HIGHLIGHTED PROJECTS (cont.)

### Patuxent Water Filtration Plant

The Patuxent plant in Laurel produced an average of 51 million gallons of water per day (mgd) in FY'15 and serves northern Prince George's County and a portion of eastern Montgomery County

- Phase II Expansion (W-172.05, page 3-14)  
Expansion to 72 MGD and new UV facilities.  
Currently in construction
- Raw Water Pipeline (W-172.07, page 3-15)  
New raw water pipeline currently in design. Final alignment determined. Spring 2017 construction start
- Rocky Gorge Pump Station Upgrade (W-172.08, page 3-16)  
Design complete. Schedule coordinated with Duckett Dam Upgrade project. Expect to go to construction Summer 2016





# FY 2017 Proposed Budget Overview

## HIGHLIGHTED PROJECTS (cont.)

### Large Valve Program

- Inspection and condition assessment of 1473 large valves (>16" diameter) over four year period – now projected for December 2016
- Over 1,000 valves inspected to date
- Minor corrections and major repairs already completed on 270 large valves
- Valves that can't be repaired are replaced and may also be relocated to improve accessibility





# FY 2017 Proposed Budget Overview

## HIGHLIGHTED PROJECTS (cont.)

### Trunk Sewer Reconstruction Program

(S-170.09; page 4-11)

- Inspection and evaluation of all 24 sewer basins is complete (over 1300 miles inspected)
- Comprehensive rehabilitation of sewer pipes in Environmentally Sensitive Areas currently underway to reduce infiltration and inflow
- Replacement of pipe; in-situ relining of pipe; correction of defects; pipeline protection; and, rehabilitation of manholes
- Continued focus on Priority One work
- Consent Decree Status Update included in appendix





# FY 2017 Proposed Budget Overview

## RECONSTRUCTION PROGRAMS

### Water Reconstruction Program

	<b>Current</b>		<b>Planned</b>
	<b>FY'16 Adopted</b>	<b>FY'16 Estimated</b>	<b>FY'17 Proposed</b>
Main Line Design - (\$)	\$ 13,328,000	\$ 13,328,000	\$ 11,789,000
Main Line & House Connection Construction - Miles	57 miles	57 miles	57 miles
Main Line & House Connection Construction - (\$)	\$ 80,473,000	\$ 80,473,000	\$ 80,473,000
Cathodic Protection	\$ 1,322,000	\$ 1,000,000	\$ 1,429,000
Large Water Service Design - (\$)	\$ 2,121,000	\$ 2,121,000	\$ 2,121,000
Large Water Service Construction - Meters	30 meters	30 meters	30 meters
Large Water Service Construction - (\$)	\$ 4,414,000	\$ 4,414,000	\$ 4,414,000
<b>Total Water Reconstruction</b>	<b>\$ 101,658,000</b>	<b>\$ 101,336,000</b>	<b>\$ 100,226,000</b>



# FY 2017 Proposed Budget Overview

## RECONSTRUCTION PROGRAMS

### Sewer Reconstruction Program

	Current FY'16 Adopted	FY'16 Estimated	Planned FY'17 Proposed
Main and Lateral Line Design - (\$)	\$ 1,074,000	\$ 2,234,000	\$ 1,074,000
Main Line Residential Construction - Miles	2 miles	4 miles	17 miles
Main Line Residential Construction - (\$)	\$ 3,607,000	\$ 7,006,000	\$ 24,634,000
Lateral Line & House Connection Construction - Miles	6 miles	6 miles	6 miles
Lateral Line & House Connection Construction - (\$)	\$ 24,103,000	\$ 23,400,000	\$ 24,103,000
Sewer House Connection Renewal	400 renewals	400 renewals	400 renewals
Sewer House Connection Renewal - (\$)	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000
Emergency Repairs (\$)	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
<b>Total Sewer Reconstruction</b>	<b>\$ 34,784,000</b>	<b>\$ 38,640,000</b>	<b>\$ 55,811,000</b>

Note: The cost increase is due to increasing the main line residential construction program from 4 miles to 17 miles per year.





# **Sanitary Sewer Overflow (SSO) Consent Decree Update**

Commissioner Meeting  
January 20, 2016



# Agenda

- Schedule Update
- Costs
- Areas of Concern
- Q & A Session



## Schedule Update Roads

- 6 IDIQ Contracts
- 135 Construction Task Orders (CTO)
- 3 Prime Contractors
- 131.4 sewer miles awarded for construction
- 121.73 sewer miles rehabilitated as of December 21, 2015



## Schedule Update Roads (Basin Level Update)

Sligo Creek	100%	→	100%
Cabin John	98%	→	98%
Paint Branch	100%	→	100%
Lower Anacostia	97%	→	97%
Beaverdam	96%	→	96%
Seneca Creek	96%	→	96%
Dulles Interceptor	100%	→	100%
Muddy Branch	100%	→	100%
Broad Creek	99%	→	99%
Piscataway	99%	→	99%
Parkway	87%	→	94%

Western Branch	100%	→	100%
Mattawoman	100%	→	100%
Northwest Branch	99%	→	99%
Horsepen Branch	100%	→	100%
Northeast Branch	79%	→	79%
Oxon Run	97%	→	97%
Rock Creek	96%	→	96%
Rock Run	100%	→	100%
Little Falls	92%	→	96%
Watts Branch	92%	→	96%

**Note:**

No Roads work in Patuxent North basin





## Schedule Update Environmentally Sensitive Areas (ESA)

- 16 IDIQ Contracts
- 10 ESA Contractors
- ESA includes a total of 233 CTOs
  - 165 (70.8%) CTOs issued for construction
- ESA includes a total of 156.38 miles
  - 108.04 (69.1%) miles awarded for construction
  - 57.67 miles rehabilitated as of December 21, 2015



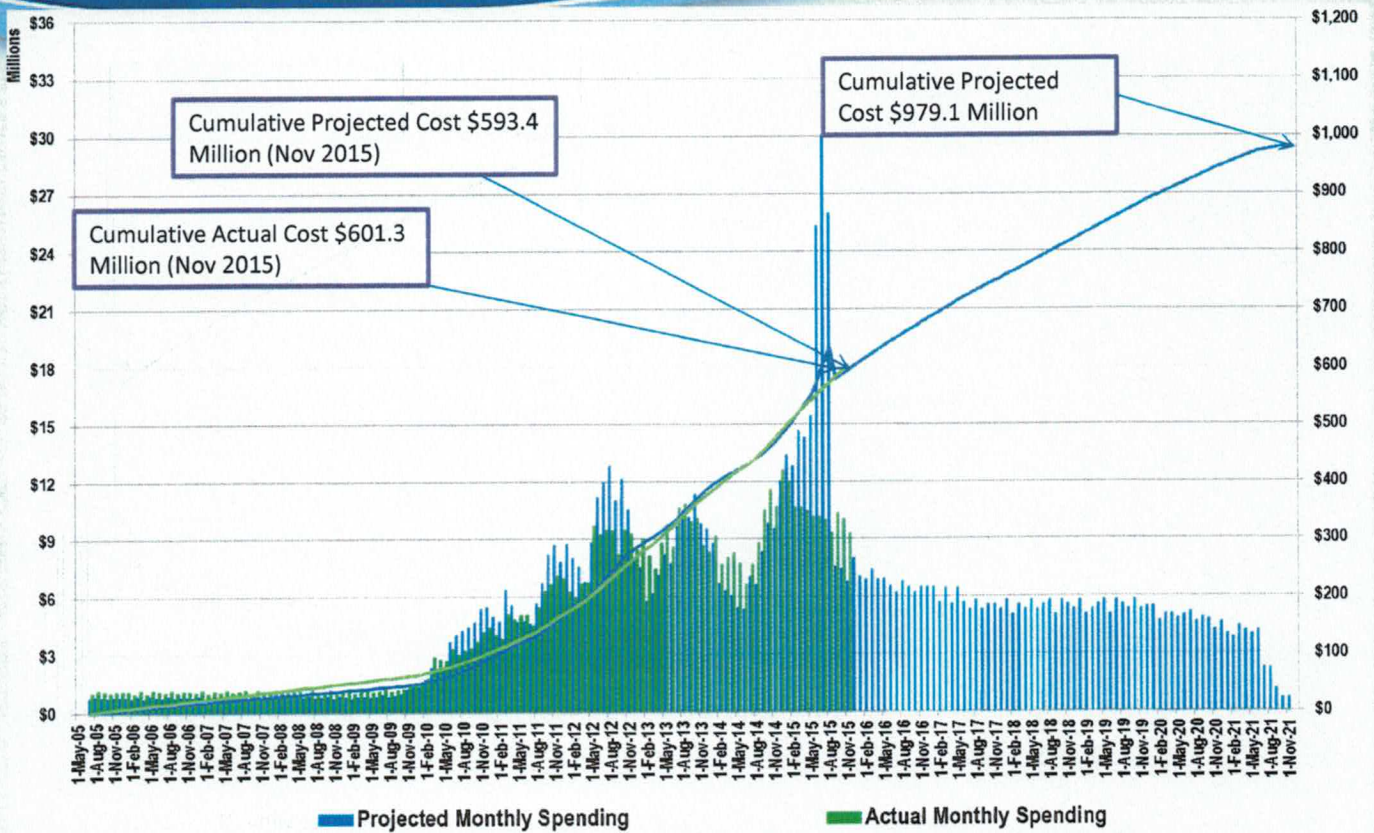
## Schedule Update ESA (Basin Level)

Rock Run	1%	→	6%	Muddy Branch	36%	→	45%
Paint Branch	5%	→	34%	Western Branch	0%	→	1%
Beaverdam	47%	→	63%	Seneca Creek	31%	→	49%
Piscataway	5%	→	7%	Watts Branch	2%	→	16%
Rock Creek	33%	→	48%	Parkway	3%	→	4%
Sligo Creek	18%	→	37%	Oxon Run	1%	→	2%
Cabin John	40%	→	44%	Horsepen Branch	75%	→	80%
Northeast Branch	11%	→	16%	Dulles Interceptor	50%	→	50%
Lower Anacostia	50%	→	67%	Mattawoman	100%	→	100%
Northwest Branch	2%	→	11%	Monocacy	0%	→	0%
Broad Creek	78%	→	79%	Patuxent North	0%	→	0%
Little Falls	2%	→	10%	Patuxent Center	100%	→	100%



# Consent Decree Costs

## Article 6 – Design and Construction Costs (Oct 2015)





# Consent Decree Costs

Description	Projected Total Cost to Date	Actual Cost to Date
<b>Consent Decree (All Articles)</b>	<b>\$1,480,467,330.87</b>	<b>\$864,157,810.43</b>
Article 06	<b>\$1,030,365,211.26</b>	<b>\$625,263,998.61</b>
<i>All other Articles Total Cost</i>	\$447,830,944.61	\$236,867,998.61
General Cost	\$38,242,843.00	\$17,972,072.00
Article 02	\$88,748,679.77	\$52,266,304.77
Article 03	\$44,438,066.84	\$22,546,178.84
Article 04	\$33,532,801.00	\$15,719,350.00
Article 05	\$2,708,764.00	\$2,708,764.00
Article 07	\$11,298,130.00	\$44,151.00
Article 10	\$189,891,319.00	\$96,350,536.00
Article 11	\$34,052,744.00	\$24,217,545.00
Supplemental Environmental Projects	\$5,043,097.00	\$5,043,097.00
Stipulated Penalties	\$2,145,675.00	\$2,026,094.87



## Rehabilitation Phase Areas of Concern

- Rights of Entry (ROE)
- National Park Service (NPS)
- Stream Stabilization Permits
- Consent Decree Modification



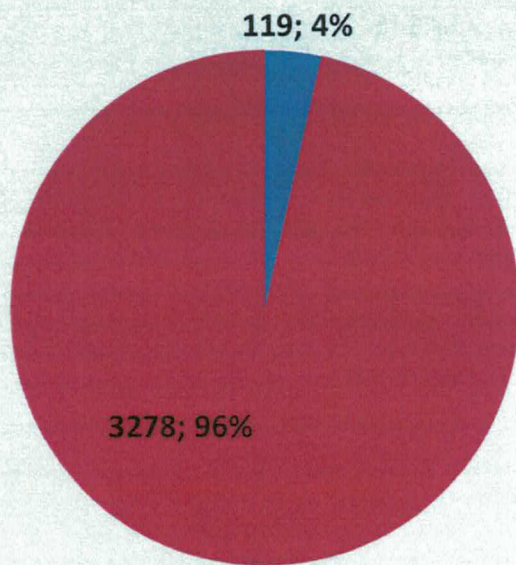
## Areas of Concern Rights of Entry

- Total outstanding ROEs have decreased from 127 to 120 since October 2015
- 17 ROEs requiring involvement from the General Counsel's Office and Land Unit
- Per the guidance of the Commissioners, WSSC is continuing the policy to contact local County Governments for assistance with securing difficult ROEs prior to implementing condemnation
  - To date, WSSC sent letters on 10 ROEs



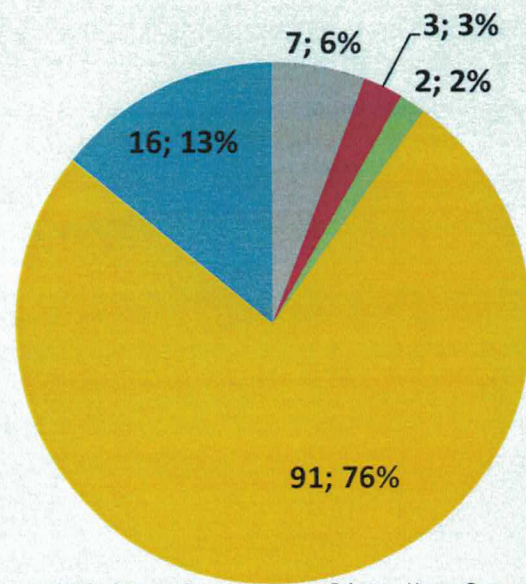
# Areas of Concern Rights of Entry

Outstanding vs Received ROE's



■ Total Outstanding ■ Total Received

Breakdown of Outstanding ROE's



■ Private - Individual Home Owners ■ Private - Home Owners Association  
 ■ Private - Commercial Enterprises ■ Public - Governments, Utilities, Agencies  
 ■ WSSC Legal/Land Unit Involvement





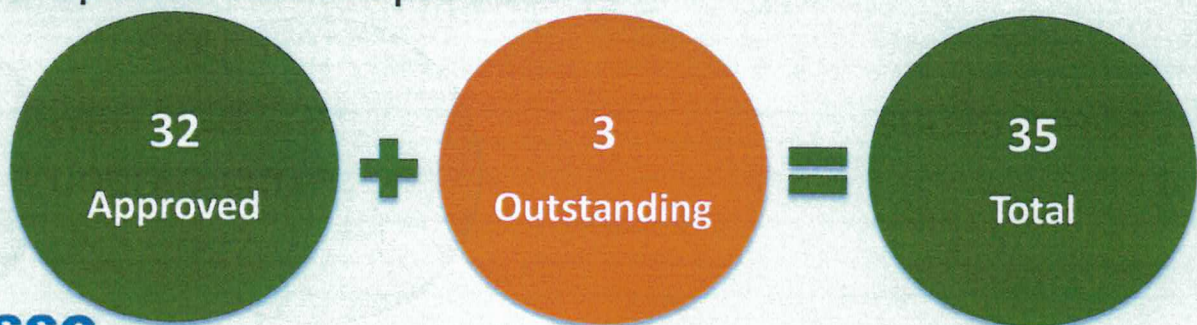
## Areas of Concern National Park Service (NPS)

- WSSC continues to incur delays due to delays in acquiring NPS permits
- WSSC met with NPS on 9/25/2015 to discuss the possibility of approving Broad Creek projects under Categorical Exclusion
- WSSC responded to additional questions asked by NPS on 11/30/2015 in relation to approving Broad Creek projects under Categorical Exclusion
- WSSC received a letter in response to the meeting on 9/2/2015: WSSC to pay \$510,000 in cost recovery to NPS for the first year, NPS proposed Environmental Impact Statement (EIS) pathway for WSSC's work in Northeast basin (Greenbelt Parks)
- **WSSC to respond back to NPS on the cost recovery**



## Areas of Concern Stream Permits (M-NCPPC)

- 35 Stream stabilization permits in Montgomery County, Maryland w/ M-NCPPC (Parks)
- 32 approved stream stabilization permits as of September 2015
- 3 permits outstanding
- Met with Parks on October 19, 2015 to discuss procedures and update current processes





## Areas of Concern Consent Decree Extension

- WSSC has negotiated the terms of a Second Amendment to the Consent Decree with EPA, DOJ and MDE that provides an extension for work delayed by the permitting processes in ESAs
- The extension period is for up to six (6) years, with mandatory progress milestones during the extension period
- Extension period for projects requiring NPS permits runs for up to two (2) years from receipt of permit
- The Second Amendment was lodged with U.S. District Court for approval on November 30, 2015; the public comment period expired on January 5, 2016.
- The parties to the Second Amendment await Court review and approval



# Questions & Answers