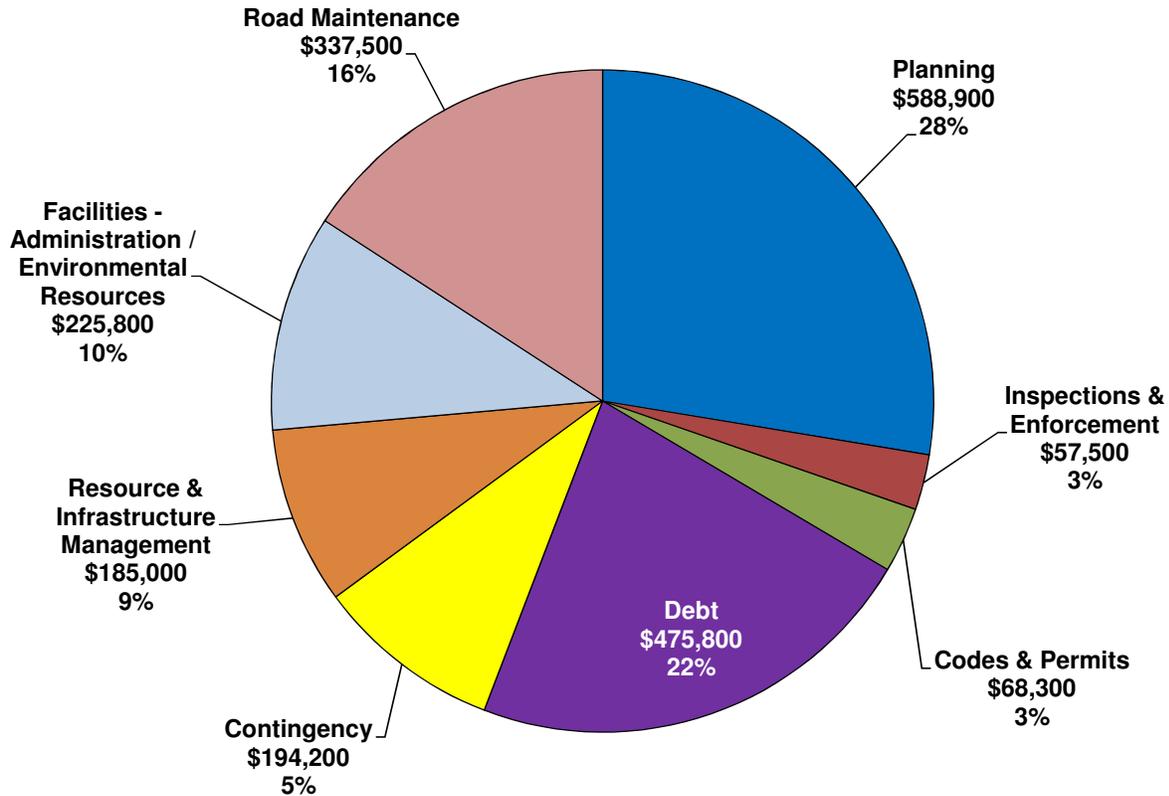


FISCAL YEAR 2014 Watershed Protection and Restoration Fund

Total Operating Budget: \$2,133,000

Division Budgets:



	FY2013 Adopted*	FY2014 Proposed	Variance	% Change
Revenues	\$998,200	\$2,133,000	\$1,134,800	113.7%
Expenditures	998,200	2,133,000	1,134,800	113.7%
Total Surplus / (Deficit)	\$0	\$0	\$0	

* FY13 Adopted represents amount moved from the ESF fund for stormwater activities that were supported by a \$14 annual fee per improved property.

FISCAL YEAR 2014

Watershed Protection and Restoration Fund

Increase to Existing Program: **\$1,134,800**

Increased Contract Services/Consultants \$575,000

• **New Items:**

Inlet Cleaning	90,000
Inlet Inspection & Scheduling	63,500
Deicing Pollution Prevention	33,000
NPDES Permits	100,000
DPW- Oversight	39,600

• **Cost reallocated from other Funds:**

Stormwater Maintenance	50,000	<i>- moved from ESF Fund</i>
Stormdrains	15,000	<i>- moved from ESF Fund</i>
Triennial Inspections	56,500	<i>- moved from Inspection Fund</i>
Street Sweeping	50,000	<i>- moved from General Fund</i>
• Discharge, TMDL, Education, Monitoring, Reporting	77,400	<i>- increase to current ESF Stormwater Management program</i>

Contingency	194,200
Mapping Services	185,000
Increased Debt Service	134,500
New Positions	118,800
Reallocation of Existing Staff	(117,800)
Public Outreach	25,000
Legal Fees	16,000
Dues/Employee Education	4,100

\$1,134,800

New Positions:

<u>Department</u>	<u>Position</u>	<u>Start Date</u>
• Planning & Growth Management	Planner II	7/1/2014
• Public Works	Environmental Compliance Officer	1/1/2015

FISCAL YEAR 2014

Watershed Protection and Restoration Fund

	<u>FY2013</u> <u>Adopted</u>	<u>FY2014</u> <u>Request</u>	<u>\$ Change</u> <u>from FY2013</u>	<u>%</u> <u>Change</u>
<u>Revenue</u>				
Environmental Service Fee	\$720,300	\$0	(\$720,300)	-100.0%
Watershed Protection & Restoration Fee	0	2,313,700	2,313,700	new
Lot Recordation	50,000	50,000	0	0.0%
Low Income Tax Credit	0	(2,000)	(2,000)	new
Incentive Credit	0	(231,400)	(231,400)	new
Interest	0	2,700	2,700	new
Total Operating Revenues	\$770,300	\$2,133,000	\$1,362,700	176.9%
Fund Balance	227,900	0	(227,900)	-100.0%
Total Revenues	\$998,200	\$2,133,000	\$1,134,800	113.7%
<u>Expenditures</u>				
Salary & Fringe	\$250,300	\$248,900	(\$1,400)	-0.6%
Operating	406,600	1,214,100	807,500	198.6%
Contingency	0	194,200	194,200	new
Debt Service	341,300	475,800	134,500	39.4%
Total Expenditures	\$998,200	\$2,133,000	\$1,134,800	113.7%
Surplus / (Deficit)	\$0	\$0	\$0	

<u>PROPOSED FEE</u>		
<u>RESIDENTIAL</u>	<u>ERU</u>	<u>Fee</u>
Single Family Dwelling	1.00	\$32.00
Rural Residential	2.00	\$64.00
Agricultural Residential	2.00	\$64.00
Townhomes	0.50	\$16.00
Residential Condo	0.33	\$10.56
<u>NON-RESIDENTIAL</u>		
<ul style="list-style-type: none"> • Multiple ERU's are assessed based on amount of impervious surface on property • Non-residential classifications include: commercial, industrial, mixed-use, non-residential condominiums, institutional, manufactured home parks, faith-based, and apartments 		

Watershed Protection and Restoration Fund

Department: Planning and Growth Management 55.07.19
Division \ Program: Planning Fund: Enterprise
Program Administrator: Steven Ball, Planning Director
www.charlescountymd.gov/pgm/planning/npdes-municipal-separate-storm-sewer-system-permit

Expenditure Category	FY2012 Actual	FY2013 Adopted	FY2014 Request	FY2014 Proposed	\$ Change from FY2013	% Chg.
Personal Services	\$43,037	\$60,400	\$116,100		\$55,700	92.2%
Fringe Benefits	10,352	14,400	33,900		19,500	135.4%
Operating Costs	143,604	321,600	438,900		117,300	36.5%
Operating Contingency	0	0	194,200		194,200	NEW
Debt Service	262,258	341,300	475,800		134,500	39.4%
Total Expenditures	\$459,251	\$737,700	\$1,258,900	\$0	\$521,200	70.7%

Baseline Changes and Useful Information:

- **Expenditures** listed in FY2012 Actual and FY2013 Adopted were part of the ESF-Stormwater Budget in prior years.
- **Personal Services** and **Fringe** represent hiring a Planner position to work on implementing the Charles County Phase II Watershed Implementation Plan (WIP II) Strategy, and the National Pollutant Discharge Elimination System (NPDES) stormwater permit. At this time there is less than one full time staff member on this planning effort.
- **Operating Costs** represent consultant budget for detailed planning studies to implement the Charles County WIP II Strategy, public outreach, illicit discharge program, watershed monitoring, tracking stormwater pollution reductions, and reporting as required by the County's NPDES stormwater permit.
- **Debt Service** represents debt payments on bonds issued totaling \$5.8M.

Description:

The Charles County storm sewer system is operated per its NPDES Municipal Separate Storm Sewer System permit.

The permit runs for five years and requires the County to develop and implement a number of programs to monitor and control water quality. Highlights of the Planning Division work products include:

- Continuation of a long-term chemical, biological, and physical monitoring program for small watersheds; continuation of urban BMP effectiveness study; and continued support of the US Geological Survey long-term chemical monitoring station for Mattawoman Creek Watershed, a large watershed.
- Continued implementation of the Illicit Discharge Detection and Enforcement Program for the County's storm sewer system. This program provides annual inspection of major outfalls to discover potential illicit discharges into the storm sewer system and enforces violations. The County relies heavily on a public education element to prevent illicit discharges, and has also incorporated penalties for serious and repeat violations.

Positions:

<u>Title</u>	<u>FY10</u> <u>FTE</u>	<u>FY11</u> <u>FTE</u>	<u>FY12</u> <u>FTE</u>	<u>FY13</u> <u>FTE</u>	<u>FY14</u> <u>FTE</u>
Planner III	0.5	0.5	0.5	0.8	0.8
Planner II	0.0	0.0	0.0	0.0	1.0
Total Full Time Equivalent	0.5	0.5	0.5	0.8	1.8

Watershed Protection and Restoration Fund

Department: Planning and Growth Management 55.07.31
Division \ Program: Codes, Permits & Inspection Services\ Fund: Enterprise
 Inspections & Enforcement

Program Administrator: Frank Ward, Chief of Codes, Permits, and Inspection Services

Expenditure Category	FY2012 Actual	FY2013 Adopted	FY2014 Request	FY2014 Proposed	\$ Change from FY2013	% Chg.
Operating Costs	0	0	57,500	0	57,500	NEW
Total Expenditures	\$0	\$0	\$57,500	\$0	\$57,500	NEW

Baseline Changes and Useful Information:

- **Operating Costs** represent continued funding of contract services for triennial inspections. This cost was previously budgeted for in the Inspection Fund. An additional \$1,000 is included for employee education.

Description:

The Inspection and Enforcement Section of the Codes, Permits and Inspection Services Division is responsible for the triennial inspection of existing stormwater management devices owned by private property owners, homeowners associations, and Charles County for compliance with performance specifications, legal agreements & Maryland law. Inspection staff provides reports to owners of the stormwater management devices and ensures proper repairs are implemented in a timely manner. Inspections occur after developer's have completed projects inspected by staff of the Inspection & Enforcement fund.

Department: Planning and Growth Management 55.07.61
Division \ Program: Codes, Permits & Inspection Services\Codes & Permits Fund: Enterprise
Program Administrator: Frank Ward, Chief of Codes, Permits, and Inspection Services

Expenditure Category	FY2012 Actual	FY2013 Adopted	FY2014 Request	FY2014 Proposed	\$ Change from FY2013	% Chg.
Personal Services	\$0	\$96,500	\$43,200		(\$53,300)	-55.2%
Fringe Benefits	0	31,600	14,500		(17,100)	-54.1%
Operating Costs	0	10,000	10,600		600	6.0%
Total Expenditures	\$0	\$138,100	\$68,300	\$0	(\$69,800)	-50.5%

Baseline Changes and Useful Information:

- **Expenditures** listed in FY13 Adopted were part of the ESF-Stormwater Budget in prior years.
- **Personal Services** and **Fringe** represent Codes & Permits Division staff time on existing stormwater management issues.
- **Operating Costs** represent funding of contract services to modify ordinances due to Environmental Site Design and to provide employee education.

Description:

The Codes and Permits Section of the Codes, Permits & Inspection Services Division includes engineering staff involved in review of stormwater management issues. While much of this work is undertaken as part of a permit review function, some of the engineering analysis is done after construction is completed & as part of the required triennial inspection process. Proposed work includes engineering services, modifications to the Stormwater Management Ordinance to address Green Code and related issues and employee education.

Positions:

<u>Title</u>	<u>FY10</u> FTE	<u>FY11</u> FTE	<u>FY12</u> FTE	<u>FY13</u> FTE	<u>FY14</u> FTE
Engineer I - IV	0.0	0.0	0.0	1.0	0.5
Office Associate I	0.0	0.0	0.0	0.3	0.0
Total Full Time Equivalent	0.0	0.0	0.0	1.3	0.5

Watershed Protection and Restoration Fund

Department: Planning and Growth Management 55.07.19
Division \ Program: Resource & Infrastructure Management Fund: Enterprise
Program Administrator: Jason Groth, Chief of Resource & Infrastructure Management

Expenditure Category	FY2012 Actual	FY2013 Adopted	FY2014 Request	FY2014 Proposed	\$ Change from FY2013	% Chg.
Personal Services	\$37,381	\$36,700	\$0		(\$36,700)	-100.0%
Fringe Benefits	11,587	10,700	0		(10,700)	-100.0%
Operating Costs	0	0	185,000		185,000	NEW
Total Expenditures	\$48,968	\$47,400	\$185,000	\$0	\$137,600	290.3%

Baseline Changes and Useful Information:

- **Expenditures** listed in FY2012 Actual and FY13 Adopted were part of the ESF-Stormwater Budget in prior years.
- **Personal Services** and **Fringe** have been reallocated based on job responsibilities.
- **Operating Costs** represent the cost of mapping Best Management Practice facilities, existing Impervious Surfaces, and Forest Conservation easements.

Description:

The Charles County storm sewer system is operated per its National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System permit. The permit runs for five years and requires the County to develop and implement a number of programs to monitor and control water quality. The Resource and Infrastructure Management Division work includes continuous updating of the digital mapping of the County's storm sewer system in the County's Geographic Information System.

Positions:

<u>Title</u>	<u>FY10</u> <u>FTE</u>	<u>FY11</u> <u>FTE</u>	<u>FY12</u> <u>FTE</u>	<u>FY13</u> <u>FTE</u>	<u>FY14</u> <u>FTE</u>
Resource Manager	0.0	0.0	1.0	1.0	0.0
Total Full Time Equivalent	0.0	0.0	1.0	1.0	0.0

Department: Public Works 55.05.06
Division \ Program: Facilities - Administration Fund: Enterprise
Program Administrator: Bill Shreve, Director of Public Works
 Dennis Fleming, Chief of Environmental Resources

Expenditure Category	FY2012 Actual	FY2013 Adopted	FY2014 Request	FY2014 Proposed	\$ Change from FY2013	% Chg.
Personal Services	\$0	\$0	\$31,200		\$31,200	NEW
Fringe Benefits	0	0	10,000		10,000	NEW
Operating Costs	0	75,000	184,600		109,600	146.1%
Total Expenditures	\$0	\$75,000	\$225,800	\$0	\$150,800	201.1%

Baseline Changes and Useful Information:

- **Expenditures** listed in FY13 Adopted were part of the ESF-Stormwater Budget in prior years.
- **Personal Services** and **Fringe** represent hiring a position to provide program oversight in January.
- **Operating Costs** represent contract services for oversight for the first half of the year and NPDES permits plus a consultant for annual reporting.

Description:

This funding request allows the Department of Public Works (DPW) to comply with the federal & state mandates as they relate to County facilities and includes additional funding to allow for all reporting requirements by use of an environmental engineering firm for the first half of the year. Thereafter, DPW will hire an Environmental Compliance Officer after January 1 to self-inspect and report.

Positions:

<u>Title</u>	<u>FY10</u> <u>FTE</u>	<u>FY11</u> <u>FTE</u>	<u>FY12</u> <u>FTE</u>	<u>FY13</u> <u>FTE</u>	<u>FY14</u> <u>FTE</u>
Environmental Compliance Officer	0.0	0.0	0.0	0.0	1.0
Total Full Time Equivalent	0.0	0.0	0.0	0.0	1.0

Watershed Protection and Restoration Fund

Department: Public Works 55.05.53
Division \ Program: Road Maintenance Fund: Enterprise
Program Administrator: Steve Staples, Chief of Roads

Expenditure Category	FY2012 Actual	FY2013 Adopted	FY2014 Request	FY2014 Proposed	\$ Change from FY2013	% Chg.
Operating Costs	0	0	337,500		337,500	NEW
Total Expenditures	\$0	\$0	\$337,500	\$0	\$337,500	NEW

Baseline Changes and Useful Information:

- **Operating Costs** represent contract services for street sweeping, stormwater maintenance, storm drain, inlet cleaning, inlet inspection and scheduling, and deicing pollution prevention. In Fiscal Year 2012, \$50K of street sweeping was budgeted in the General fund and \$65K for stormwater maintenance and storm drain was budgeted as part of the Environmental Service Fund budget.

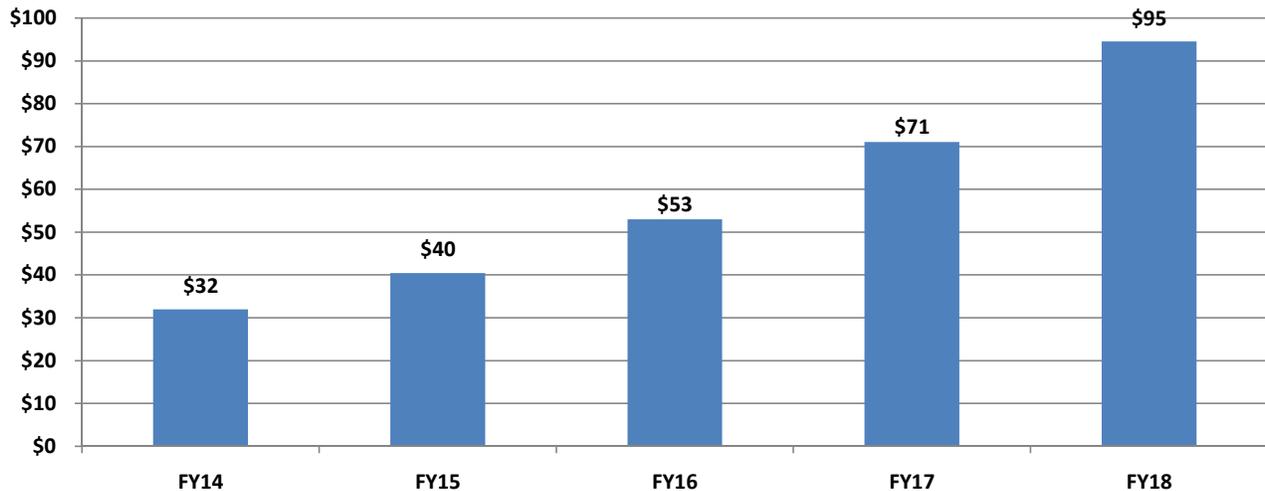
Description:

Contract services needed to initiate a program that will monitor and control storm water quality as part of the NPDES.

Watershed Protection and Restoration Fund FY14-FY18 Operating Plan

	FY14	FY15	FY16	FY17	FY18
<u>Revenue</u>					
Watershed Protection & Restoration Fee	\$2,313,700	\$2,340,900	\$2,371,300	\$2,406,100	\$2,440,900
Lot Recordation	50,000	50,600	51,300	52,100	52,900
Low Income Tax Credit	(2,000)	(2,000)	(2,000)	(2,000)	(2,000)
Incentive Credit	(231,400)	(234,100)	(237,100)	(240,600)	(244,100)
Interest	2,700	5,000	7,200	7,300	7,400
Total Revenues	\$2,133,000	\$2,160,400	\$2,190,700	\$2,222,900	\$2,255,100
<u>Expenditures</u>					
Salaries & Fringe	\$248,900	\$301,700	\$316,800	\$332,700	\$349,300
Operating	1,214,100	1,198,000	1,221,900	1,246,200	1,271,000
Contingency	194,200	100,000	100,000	100,000	100,000
Debt	475,800	1,177,600	1,481,100	1,901,800	2,329,200
Total Expenditures	\$2,133,000	\$2,777,300	\$3,119,800	\$3,580,700	\$4,049,500
Surplus / (Deficit)	\$0	(\$616,900)	(\$929,100)	(\$1,357,800)	(\$1,794,400)
Revenue based on ERU of:	\$32				
\$1 on fee generates approximately:	\$72,300	\$73,200	\$74,100	\$75,200	\$76,300
Estimated Fee to pay for expanding program:		\$40	\$53	\$71	\$95

Estimated cost per Equivalent Residential Unit (ERU)



Watershed Protection and Restoration Fund Capital Improvement Program

<u>EXISTING PROJECTS</u>	<u>Project #</u>	<u>Status</u>	<u>LTD</u> <u>Approved</u>	<u>Remaining</u> <u>Expenditure</u> <u>Balance</u>
NPDES RETROFIT PROJECTS	8019	Parent Project	10,156,890	10,145,445
PINEFIELD NPDES RETROFIT PROJECTS	8023	Construction	1,219,630	284,715
ACTON/HAMILTON NPDES RETROFIT PROJECTS	8024	Design	308,760	40,836
BRYANS ROAD NPDES RETROFIT PROJECTS	8025	Construction	2,009,810	777,508
FOX RUN NPDES RETROFITS	8030	Design	115,210	8,524
LANCASTER NPDES RETROFITS	8031	Design	85,360	23,656
RYON WOODS NPDES RETROFITS	8033	Design	89,860	12,201
WHITE PLAINS NPDES RETROFITS	8034	Design	142,040	25,887
PINEFIELD TEMI DRIVE NPDES RETROFITS	8037	Design	49,300	39,420
NPDES WATERSHED RESTORATION STUDY #3	8028	Complete	24,740	2
NPDES MAPPING	8035	Active	513,800	2,618
GIS MAPPING	8036	Active	455,540	0
LA PLATA WATERSHED RESTORATION	8027	Inactive	180,000	179,964
			15,350,940	11,540,776

Bonds to be issued on existing projects	\$12,619,800
FY14-FY18 NPDES Retrofit project	18,300,000
Contingency- Inflation	2,519,000
Total Bond Issues FY13-FY18	<u>\$33,438,800</u>

FY14-FY18 NPDES RETROFIT PROJECT

Project study areas include: Marbella Delight, West Lake Village, St. Charles, Wakefield, Bannister, Hunt Club Estates, Northwood, Jenifer Elementary School, Berry Road North, Briarwood, Leonardtown Road, Pinefield Center, Potomac Branch Library, and Waldorf Commercial Corridor. Potomac Heights is an additional area of restoration identified separately.

Fiscal Notes:

- The Carrington NPDES retrofit project is complete.
- La Plata Watershed Restoration project is contingent upon receiving grant funding.
- Hoghole Run Living Shoreline and Jennie Run Subwatershed Restoration were part of the FY13-FY17 Approved CIP and are not included in the FY14-FY18 CIP. Priorities are being reevaluated based on the WIP. Projects that are most cost effective and beneficial to Water Quality will be selected for inclusion in the CIP.

REQUESTED CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2014
(\$ in thousands)

PROJECT NAME: NPDES Retrofit Projects	Requested By: PGM Project #: 8019
<p>The project is based on the 2004, 2007 and 2011 Watershed Restoration Studies which are part of the County's 2002 NPDES municipal stormwater permit. The 2002 permit requires restoration of 10% of untreated impervious surface in the Development District. These studies identified projects to meet the restoration requirement.</p> <p>Project study areas include: Carrington, Pinefield, Bryan's Road, Acton-Hamilton, Marbella Delight, Fox Run, Lancaster, West Lake Village, Ryon Woods, White Plains, St. Charles, Wakefield, Bannister, Hunt Club Estates, Northwood, Jenifer Elementary School, Berry Road North, Briarwood, Leonardtown Road, Pinefield Center, Potomac Branch Library, and Waldorf Commercial Corridor. Potomac Heights is an additional area of restoration identified separately.</p> <p>The Carrington project is complete. Pinefield, Bryan's Road, Acton-Hamilton, Fox Run, Lancaster, Northwood, Ryon Woods, and White Plains are in design.</p> <p>Restoration of untreated impervious surface can be done by constructing water quality facilities, stream restoration, programmatic enhancements, and/or through educational outreach. Program requirements are expected to increase to 20% and will be determined when the permit is reissued to the County.</p>	

EXPENSE BUDGET	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	5-Year			
						Total '14-'18	Approp. thru FY13	Beyond FY 2018	Project Total
Architectural & Engineering	\$210	\$130	\$130	\$130	\$200	\$800	\$87	\$200	\$1,087
Land & ROW	1,050	583	583	583	750	3,549	2,059	750	6,358
Construction	3,152	1,944	1,944	1,944	2,496	11,480	4,465	2,496	18,441
Equipment	0	0	0	0	0	0	0	0	0
Administration	221	133	133	133	172	792	66	172	1,030
Inspection	95	58	58	58	75	344	74	75	493
Miscellaneous	44	27	27	27	34	159	0	103	262
Contingency	336	200	200	200	240	1,176	511	34	1,721
Total Outlay	\$5,108	\$3,075	\$3,075	\$3,075	\$3,967	\$18,300	\$7,262	\$3,830	\$29,392

FINANCING SOURCES	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total '14-'18	Approp. thru FY13	Beyond FY 2018	Project Total
Bonds (30 Year)	\$5,108	\$3,075	\$3,075	\$3,075	\$3,967	\$18,300	\$7,262	\$3,830	\$29,392
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$5,108	\$3,075	\$3,075	\$3,075	\$3,967	\$18,300	\$7,262	\$3,830	\$29,392
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$5,108	\$3,075	\$3,075	\$3,075	\$3,967	\$18,300	\$7,262	\$3,830	\$29,392

Operating Budget Impact	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total '14-'18	Approp. thru FY13	Beyond FY 2018	Project Total
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	277.7	167.2	167.2	167.2	779.3	394.8	375.4	1,549.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$277.7	\$167.2	\$167.2	\$167.2	\$779.3	\$394.8	\$375.4	\$1,549.6

VARIANCE TO APPROVED PER FY13-FY17 CAPITAL IMPROVEMENT PROGRAM:

	FY 2014	FY 2015	FY 2016	FY 2017	TOTAL
Approved FY13-FY17 CIP	\$4,993	\$3,060	\$3,060	\$3,061	\$14,174
Increase/(Decrease)	\$115	\$15	\$15	\$14	\$159
% change	2.3%	0.5%	0.5%	0.5%	1.1%

LOCATION:

Charles County Development District- see description