

St. Mary's County Metropolitan Commission
 Capital Improvements Budget
 FY 2016 - 2021 Water

Project Name	Status	Project ID	Prior Approved	FY 2016	Budget Amendment 8 27-15	FY16 As Amended	FY 2017	FY 2018	FY 2019	FY 2020	FY2021	TOTAL	Out Years (FY2022 & Beyond)
Water Lines													
MD 4 - Oak Dr to Patuxent Blvd Water Line Relocation	4	8143WM	\$360,477									\$360,477	
Patuxent Park Water Main Replacement Phase 3	2	8122WR	\$1,756,000		\$628,360	\$628,360						\$2,384,360	
MD 235 to Airport Road Water Main Connector	2	8125WM	\$478,250									\$478,250	
Piney Point Water System	2	5111WR	\$255,000	\$2,235,000		\$2,235,000						\$2,490,000	
FDR Blvd WM Ph. 1B (1st Colony/Old Rolling Rd)	2	8151WM	\$1,509,300									\$1,509,300	
Patuxent Park Water Main Replacement Phase 4				\$1,881,500		\$1,881,500						\$1,881,500	
Hollywood Water Systems Connector							\$1,107,000					\$1,107,000	
Town Creek Water System Phase 1 & 2	2	8081WR	\$595,000				\$2,329,500		\$2,639,500			\$5,564,000	
St Clements Shores Water System Replacement	2	2101WR	\$980,000	\$4,518,000		\$4,518,000		\$3,508,500		\$3,508,500		\$12,515,000	
Wildewood Pkwy to MD 4 WM Connector								\$442,350				\$442,350	
Shangri-La Dr. & S. Essex Dr. Water Main Replacement							\$185,000	\$2,305,750				\$2,490,750	
Airport View Drive to Wildewood WM Connector											\$2,165,300	\$2,165,300	
Water Main Connection Crossing MD 5 - Charlotte Hall									\$575,550			\$575,550	
Southampton Water System Rehabilitation								\$267,000		\$2,663,000		\$2,930,000	
Hollywood System Phase 2 Replacement										\$823,500		\$823,500	
Sheehan / St. George's Park Water System	2	5121WM	\$240,000									\$240,000	
Esperanza Farms Water System (Repair)	2	8142WR	\$150,000									\$150,000	
Esperanza Farms Water System (Replacement)													\$2,500,000
Belvoir Road Water Main Replacement													\$1,247,400
Coral Dr Water Main Connector													\$250,000
MD 235 WM, Cedar Pt Rd. to Rasmussen Rd.													\$1,808,000
MD 235 WM, Thames Ave. to Hermanville Rd. Greenbrier													\$5,534,000
Piney Point Water Systems Connector													\$2,717,000
MD712 Forest Park Road Water Main Extension													\$1,821,000
Water Lines Subtotal =			\$6,324,027	\$8,634,500	\$628,360	\$9,262,860	\$3,621,500	\$6,256,600	\$3,482,050	\$6,995,000	\$2,165,300	\$38,107,337	\$15,877,400

Status:

- 1 Planning Phase
- 2 Design Phase
- 3 Contract Phase
- 4 Construction Phase
- 5 Close-out Phase

St. Mary's County Metropolitan Commission
 Capital Improvements Budget
 FY 2016 - 2021 Water

Project Name	Status	Project ID	Prior Approved	FY 2016	Budget Amendment 8 27-15	FY16 As Amended	FY 2017	FY 2018	FY 2019	FY 2020	FY2021	TOTAL	Out Years (FY2022 & Beyond)
Miscellaneous													
Radio Read Water Meters Project Phases 1 & 2	4	WO1112	\$8,300,000									\$8,300,000	
Exterior Petty Building Upgrades	2	8131BD	\$400,000									\$400,000	
Oversize Meter Project Phase 2	2	8121MW	\$243,000									\$243,000	
King Kennedy Well & Ground Storage Tank Improvements	2	3-1-W	\$1,732,500									\$1,732,500	
Asset Management Software Upgrade	4	SW1201	\$257,500				\$40,000					\$297,500	
Oversize Meter Project Phase 3	2	8151MW	\$147,000									\$147,000	
Right of Way Clearing	4	WM1526	\$54,000	\$54,000		\$54,000	\$54,000					\$162,000	
King Kennedy Water Line Replacement								\$1,998,000				\$1,998,000	
Facilities Plan Update								\$125,000				\$125,000	
Water Station Upgrades - Piney Point				\$250,000		\$250,000						\$250,000	
Unidentified Water System Upgrade													\$5,000,000
Miscellaneous Subtotal =			\$11,134,000	\$304,000	\$0	\$304,000	\$94,000	\$2,123,000	\$0	\$0	\$0	\$13,655,000	\$5,000,000

Totals													
Water Lines			\$6,324,027	\$8,634,500	\$628,360	\$9,262,860	\$3,621,500	\$6,256,600	\$3,482,050	\$6,995,000	\$2,165,300	\$38,107,337	\$15,877,400
Wells			\$3,156,160	\$0	\$0	\$0	\$2,062,800	\$270,000	\$0	\$0	\$0	\$5,488,960	\$1,000,000
Water Storage Tanks (WST)			\$14,385,677	\$120,000	\$0	\$120,000	\$3,258,700	\$848,700	\$1,858,700	\$623,700	\$0	\$21,095,477	\$7,151,773
Miscellaneous			\$11,134,000	\$304,000	\$0	\$304,000	\$94,000	\$2,123,000	\$0	\$0	\$0	\$13,655,000	\$5,000,000
Subtotal			\$34,999,864	\$9,058,500	\$628,360	\$9,686,860	\$9,037,000	\$9,498,300	\$5,340,750	\$7,618,700	\$2,165,300	\$78,346,774	\$29,029,173
Contingency		7.5%	\$2,625,000	\$679,000	(\$628,360)	\$50,640	\$678,000	\$712,000	\$401,000	\$571,000	\$162,000	\$5,199,640	\$2,177,000
Total=			\$37,624,864	\$9,737,500	\$0	\$9,737,500	\$9,715,000	\$10,210,300	\$5,741,750	\$8,189,700	\$2,327,300	\$83,546,414	\$31,206,173

- Status:**
 1 Planning Phase
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 3 Contract Phase
 4 Construction Phase
 5 Close-out Phase

St. Mary's County Metropolitan Commission
 Capital Improvements Budget
 FY 2016 - 2021 Sewer

Project Name	Status	Project ID	Prior Approved	FY 2016	Budget Amendment 8-27-15	FY16 As Amended	FY 2017	FY 2018	FY 2019	FY 2020	FY2021	Totals	Out Years (FY2022 & Beyond)
System Upgrades / Expansion													
MTWRF ENR Upgrade	4	8-38-S	\$39,125,000									\$39,125,000	
Exterior Petty Building Upgrades	2	8131BD	\$400,000									\$400,000	
Asset Management Software Upgrade	4	SW1201	\$260,000				\$120,000					\$380,000	
Macerators/Macerating Pumps for Stations	4	SM1510	\$236,898	\$120,000		\$120,000	\$120,000					\$476,898	
Leonardtown ENR & Upgrade Project	3	3151SF	\$2,092,372									\$2,092,372	
MTWRF Expansion (Capacity & Expansion Report and Concept Design)	2	8151SF	\$500,000				\$500,000					\$1,000,000	
Facilities Plan Update								\$125,000				\$125,000	
Right of Way Clearing	4	SM1525	\$54,000	\$54,000		\$54,000	\$54,000					\$162,000	
Grinder Pump Replacements	4	SM1509	\$840,375	\$840,375		\$840,375	\$840,375	\$840,375	\$840,375			\$4,201,875	
MTWRF Expansion (Construction)													\$25,000,000
Airedale Road WWTF Nitrogen Removal Upgrade													\$675,000
SCS Plant & System Expansion													\$2,550,000
New Market/Charlotte Hall Sewer													\$5,400,000
Hollywood Town Center Sewer Project													\$3,808,350
Holly Gaf Sewer Force Main													\$6,820,200
Navy Re-Use													\$4,095,000
Unidentified Sewer System Upgrade													\$5,000,000
Systems Upgrades/Expansion Subtotal =			\$43,508,645	\$1,014,375	\$0	\$1,014,375	\$1,634,375	\$965,375	\$840,375	\$0	\$0	\$47,963,145	\$53,348,550
Totals													
Replacement			\$13,383,335	\$2,621,125	(\$628,360)	\$1,992,765	\$484,000	\$315,000	\$2,415,000	\$7,577,500	\$334,530	\$26,502,130	\$1,930,500
Pump Stations			\$17,492,600	\$2,734,456	\$0	\$2,734,456	\$10,901,250	\$1,277,500	\$540,000	\$337,500	\$675,000	\$33,958,306	\$0
Upgrades/Expansion			\$43,508,645	\$1,014,375	\$0	\$1,014,375	\$1,634,375	\$965,375	\$840,375	\$0	\$0	\$47,963,145	\$53,348,550
Subtotal			\$74,384,580	\$6,369,956	(\$628,360)	\$5,741,596	\$13,019,625	\$2,557,875	\$3,795,375	\$7,915,000	\$1,009,530	\$108,423,581	\$55,279,050
Contingencies		6.20%	\$4,612,000	\$395,000	\$628,360	\$1,023,360	\$807,000	\$159,000	\$235,000	\$491,000	\$63,000	\$7,390,360	\$3,427,000
Total =			\$78,996,580	\$6,764,956	\$0	\$6,764,956	\$13,826,625	\$2,716,875	\$4,030,375	\$8,406,000	\$1,072,530	\$115,813,941	\$58,706,050

- Status:**
 1 Planning Phase
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 4 Construction Phase
 5 Close-out Phase

CAPITAL IMPROVEMENT BUDGET AND PROGRAM FISCAL YEAR 2016

Rev: 08/13/2015

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Patuxent Park Water Replacement Phase 3	8122WR	Water

DESCRIPTION:

This project is a water facilities renewal project. The water system within Patuxent Park was constructed by the U.S. Navy in the mid 1940's. The water mains are over 60 years old and in need of replacement. This phase of the project serves approximately 170 dwellings. The project will replace the water systems on Saratoga Drive (from Great Mills Road to Franklin Road), Midway Drive (from Saratoga Drive to Bunker Hill Road), Card Road, Wasp Road, Yorktown Road, St. Lo Place, Cabot Place, Suwanee Place, and Kearsage Place. The water work consists of the replacement of approximately 7,500 linear feet of water line (including service connections). No new connections will be provided and no additional land, rights-of-way, or easements will be required. This project is Phase 3 of 4. Phases 1 and 2 are complete. This project has prior approval in fiscal year 2014.

PLANNING JUSTIFICATION:

The condition assessments of the infrastructure are as follows: exceeded life expectancy of the facilities, excessive leakage, excessive repair costs, and inadequate system reliability. Operations and maintenance are included in the design of the project. The construction costs are based on a class 2 estimate provided by the project manager and the design consultant.

LOCATION:

8th Election District, 8th Sanitary District, Patuxent Park Subdivision

APPROPRIATION PHASE	Prior Approval	Amend. FY 2016	Five Year Capital Program					Total Project
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
ADMINISTRATION (5%)	\$66,000	\$0	\$0	\$0	\$0	\$0	\$0	\$66,000
PLANNING/DESIGN (10%)	\$130,000	\$0	\$0	\$0	\$0	\$0	\$0	\$130,000
LAND ACQUISITION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CONSTRUCTION	\$1,300,000	\$642,180	\$0	\$0	\$0	\$0	\$0	\$1,942,180
INSPECTION (10%)	\$130,000	\$0	\$0	\$0	\$0	\$0	\$0	\$130,000
CONTINGENCIES (10%)	\$130,000	(\$13,820)	\$0	\$0	\$0	\$0	\$0	\$116,180
TOTAL COSTS	\$1,756,000	\$628,360	\$0	\$0	\$0	\$0	\$0	\$2,384,360

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2016	Five Year Capital Program					Balance to Complete
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
MDE/DHCD LOAN	\$0								
MDE LOAD FUNDS	\$0								
DHCD LOAN	\$2,384,360	\$1,756,000	\$628,360						
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
TOTAL FUNDS	\$2,384,360	\$1,756,000	\$628,360	\$0	\$0	\$0	\$0	\$0	\$0

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	\$0
FACILITIES EXPANSION	0%	\$0
REHAB/REPLACEMENT	100%	\$2,384,360
TOTAL	100%	\$2,384,360

CAPITAL IMPROVEMENT BUDGET AND PROGRAM FISCAL YEAR 2016

Rev: 08/13/2015

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Patuxent Park Sewer Replacement Phase 3	8124SR	Sewer

DESCRIPTION:

This is a wastewater renewal project. The sewerage collection system within Patuxent Park was constructed by the U.S. Navy in the mid 1940's. The sewers are over 60 years old and in need of rehabilitation and replacement. This phase of the project serves approximately 170 dwellings. The project will rehabilitate and replace the sewer systems on Saratoga Drive (from Great Mills Road to Franklin Road), Midway Drive (from Saratoga Drive to Bunker Hill Road), Card Road, Wasp Road, Yorktown Road, St. Lo Place, Cabot Place, Suwanee Place, and Kearsage Place. The sewer work consists of the rehabilitation and or replacement installation of approximately 7,500 linear feet of sewer line (including sewer service connections). No new connections will be provided and no additional land, rights-of-way, or easements will be required. This project is Phase 3 of 4. Phases 1 and 2 are complete. This project has prior approval in fiscal year 2014.

PLANNING JUSTIFICATION:

The condition assessments of the infrastructure are as follows: exceeded life expectancy of the facilities, excessive inflow and infiltration, excessive repair costs, and inadequate system reliability. Operations and maintenance are included in the design of the project. The construction costs are based on a class 4 estimate provided by the project manager and exceed the cost estimate provided by the design consultant.

LOCATION:

8th Election District, 8th Sanitary District, Patuxent Park Subdivision.

APPROPRIATION PHASE	Prior Approval	Amend FY 2016	Five Year Capital Program					Total Project
			FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
ADMINISTRATION (5%)	\$105,000	\$0	\$0	\$0	\$0	\$0	\$0	\$105,000
PLANNING/DESIGN (10%)	\$195,000	\$0	\$0	\$0	\$0	\$0	\$0	\$195,000
LAND ACQUISITION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CONSTRUCTION	\$2,100,000	(\$628,360)	\$0	\$0	\$0	\$0	\$0	\$1,471,640
INSPECTION (10%)	\$210,000	\$0	\$0	\$0	\$0	\$0	\$0	\$210,000
CONTINGENCIES (10%)	\$210,000	\$0	\$0	\$0	\$0	\$0	\$0	\$210,000
TOTAL COSTS	\$2,820,000	(\$628,360)	\$0	\$0	\$0	\$0	\$0	\$2,191,640

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2016	Five Year Capital Program					Balance to Complete
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
MDE/DHCD LOAN	\$0								
MDE LOAD FUNDS	\$0								
DHCD LOAN	\$2,191,640	\$2,820,000	(\$628,360)						
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
TOTAL FUNDS	\$2,191,640	\$2,820,000	(\$628,360)	\$0	\$0	\$0	\$0	\$0	\$0

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	\$0
FACILITIES EXPANSION	0%	\$0
REHAB/REPLACEMENT	100%	\$2,191,640
TOTAL	100%	\$2,191,640