

WATER

**St. Mary's County Metropolitan Commission**  
 Capital Improvements Budget  
 FY 2023 - 2028 Water

**With Escalation i=2.5%**

Project Name	Status	Project ID	Prior Approved	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2023 - 2028 TOTAL
<b>Water Lines</b>										
Various Water and Service Line Rehabilitation	1	WO2302		\$937,860 <sup>A</sup>		\$95,204 <sup>B</sup>		\$100,024 <sup>B</sup>		\$1,133,088
MD 235 Water Main-Southampton to Hermanville Rd	2	8210WL	\$92,973	\$1,220,998						\$1,220,998
Southampton Water System Rehabilitation	2	8201WL	\$280,617	\$1,877,421		\$1,679,001				\$3,556,422
Hollywood Water Systems Connector & Phase 2 Replacement	1	8141WM	\$156,624		\$1,450,097 <sup>C</sup>					\$1,450,097
MD247 Loveville Road Water Main Replacement	1	3231WL		\$113,141	\$1,043,724					\$1,156,865
Breton Bay Water System Replacement	2	2201WL	\$408,527	\$4,703,417		\$208,431		\$2,737,289		\$7,649,137
Town Creek Water System Phase 1 - 5	2	8081WR 8161WL	\$6,187,242		\$260,931 <sup>D</sup>		\$2,543,744 <sup>D</sup>		\$3,471,880 <sup>E</sup>	\$6,276,555
<b>FY 2023 CIB (FY23-FY28) Water Lines =</b>			<b>\$7,125,983</b>	<b>\$8,852,837</b>	<b>\$2,754,752</b>	<b>\$1,982,636</b>	<b>\$2,543,744</b>	<b>\$2,837,313</b>	<b>\$3,471,880</b>	<b>\$22,443,162</b>
Approved FY 2022 CIB (FY22-FY27)				<b>\$7,982,837</b>	<b>\$3,466,610</b>	<b>\$1,958,753</b>	<b>\$3,155,572</b>	<b>\$2,812,221</b>		<b>\$19,375,993</b>
<b>Change to Program from FY2022 CIB</b>				<b>\$870,000</b>	<b>-\$711,858</b>	<b>\$23,883</b>	<b>-\$611,828</b>	<b>\$25,092</b>		<b>-\$404,711</b>

**Status:**

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

**Property Acquisition (to be initiated after Planning)**

- A - Added ARPA & Metcom funds (\$720K total) for Mechanicsville & Wicomico Shores saddles
- B - Added \$25K for miscellaneous paving
- C - Reduced scope due to developer construction
- D - Changed construction phasing to 1-2-5-4-3 and moved funds accordingly
- E - Moved Construction phase 4 and design phase 3 into FY28 from out years

**St. Mary's County Metropolitan Commission**  
 Capital Improvements Budget  
 FY 2023 - 2028 Water

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Project Name	Status	Project ID	Prior Approved	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2023 - 2028 TOTAL
<b>Wells</b>										
Charlotte Hall Well #1	1	0231WW		\$851,006						\$851,006
Well Rehabilitation, Replacement, Installation and Inspections	1	WO2301	\$55,000	\$283,669	\$59,229	\$298,029	\$62,227	\$313,117	\$65,378	\$1,081,649
	1									
<b>FY 2023 CIB (FY23-FY28) Wells =</b>			<b>\$55,000</b>	<b>\$1,134,675</b>	<b>\$59,229</b>	<b>\$298,029</b>	<b>\$62,227</b>	<b>\$313,117</b>	<b>\$65,378</b>	<b>\$1,932,655</b>

Approved FY 2022 CIB (FY22-FY27)	\$1,134,675	\$59,229	\$298,029	\$62,227	\$313,117		\$1,867,277
<b>Change to Program from FY2022 CIB</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>

<b>Water Storage Tanks (WST)</b>										
St. Clements Shores Water Storage Tank	1	2191WT	\$249,075				\$2,526,968			\$2,526,968
Water Tank Inspections, Painting and Replacement/Upgrades	4	WO2317	\$689,315	\$164,766 <sup>A</sup>	\$724,212	\$106,918	\$760,875	\$112,331	\$799,394	\$2,668,496
Greenbrier Water Storage Tank	2	8161WT	\$435,469	\$880,047 <sup>B</sup>						\$880,047
<b>FY 2023 CIB (FY23-FY28) Water Storage Tanks (WST) =</b>			<b>\$1,373,859</b>	<b>\$1,044,813</b>	<b>\$724,212</b>	<b>\$106,918</b>	<b>\$3,287,843</b>	<b>\$112,331</b>	<b>\$799,394</b>	<b>\$6,075,511</b>

Approved FY 2022 CIB (FY22-FY27)	\$101,766	\$724,212	\$106,918	\$3,287,843	\$112,331		\$4,333,070
<b>Change to Program from FY2022 CIB</b>	<b>\$943,047</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		<b>\$943,047</b>

**Status:**

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

**Property Acquisition (to be initiated after Planning)**

A - Added \$60K in ARPA funds for Water Quality Monitoring Devices

B - FY23 Funding moved out from FY20, funds transferred to Clarifier Replacement, and increased by \$286K

**St. Mary's County Metropolitan Commission**  
 Capital Improvements Budget  
 FY 2023 - 2028 Water

**With Escalation i=2.5%**

Project Name	Status	Project ID	Prior Approved	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2023 - 2028 TOTAL
<b>Miscellaneous</b>										
Generator Replacement-Water	A	WO2303		\$120,000 <sup>A</sup>	\$120,000 <sup>A</sup>	\$120,000 <sup>A</sup>	\$120,000 <sup>A</sup>	\$120,000 <sup>A</sup>	\$120,000	\$720,000
<b>FY 2023 CIB (FY23-FY28) Miscellaneous =</b>			<b>\$0</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$720,000</b>

Approved FY 2022 CIB (FY22-FY27)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Change to Program from FY2022 CIB</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>	<b>\$720,000</b>

<b>Totals</b>										
Water Lines			\$7,125,983	\$8,852,837	\$2,754,752	\$1,982,636	\$2,543,744	\$2,837,313	\$3,471,880	\$22,443,162
Wells			\$55,000	\$1,134,675	\$59,229	\$298,029	\$62,227	\$313,117	\$65,378	\$1,932,655
Water Storage Tanks (WST)			\$1,373,859	\$1,044,813	\$724,212	\$106,918	\$3,287,843	\$112,331	\$799,394	\$6,075,511
Miscellaneous			\$0	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$720,000
<b>Subtotal</b>			<b>\$8,554,842</b>	<b>\$11,152,325</b>	<b>\$3,658,193</b>	<b>\$2,507,583</b>	<b>\$6,013,814</b>	<b>\$3,382,761</b>	<b>\$4,456,652</b>	<b>\$31,171,328</b>
Capital Reserves		7.5%	\$642,000	\$836,000	\$274,000	\$188,000	\$451,000	\$254,000	\$334,000	\$2,337,000
<b>FY 2023 CIB (FY23-FY28) Totals =</b>			<b>\$9,196,842</b>	<b>\$11,988,325</b>	<b>\$3,932,193</b>	<b>\$2,695,583</b>	<b>\$6,464,814</b>	<b>\$3,636,761</b>	<b>\$4,790,652</b>	<b>\$33,508,328</b>

Approved FY 2022 CIB (FY22-FY27)	\$9,910,278	\$4,569,051	\$2,540,700	\$6,993,642	\$3,480,669	\$27,494,340
<b>Change to Program from FY2022 CIB</b>	<b>\$2,078,047</b>	<b>-\$636,858</b>	<b>\$154,883</b>	<b>-\$528,828</b>	<b>\$156,092</b>	<b>\$1,223,336</b>

**Status:**

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

**Property Acquisition (to be initiated after Planning)**

A - New Project.

# WATER LINES

**CAPITAL IMPROVEMENT BUDGET and PROGRAM  
FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Various Water and Service Line Rehabilitation	WO2302	Water Lines
PROGRAM		

**DESCRIPTION:**  
Continuing various projects to replace and rehabilitate to include but not limited to water lines: saddles, flow monitoring and water line inspection services and the permanent patching and repaving of repairs . Components of water systems particularly mains, gate valves and saddles are manufactured of materials susceptible to deterioration by corrosive soils, persistent moisture, stray currents, temperature differentials and shifting ground conditions. This project reflects County ARPA (American Rescue Plan Act) proposed funding allocations in FY23.

This capital project will address areas in need throughout the County. Funds will be for both proactive and emergency maintenance. Improvements include but are not limited to:  
Lexington Park – Mains and Valves; Sans Souci MacArthur Blvd. Water Main Replacement.  
Cedar Cove - Saddles; Spring Valley - Saddles; Town Creek – Upgrade substandard utilities; Esperanza Farms – Upgrade substandard utilities  
Hollywood – Mains and Valves; Leonardtown - Saddles; Mechanicsville - Saddles  
Esperanza upgrades to include (Lewis Creek & Potomac Drive)  
Wicomico Shores Saddles (ARPA: \$398,039 of \$720,000), PRV, and Services (Country Lakes, Golf Course Drive, Army Navy Drive)  
EPA required lead and galvanized service line and pipe inventory and lead service line replacement plan (ARPA: \$150,000)  
This project may also provide for the systematic replacement of services at locations where the domestic and fire protection sprinkler systems share a common service line. Locations may include but are not limited to the following:  
Hearts Desire, Laurel Glen Townhouses, Pickets harbor, Southgate, Greenview Knolls Townhouses.

**PLANNING JUSTIFICATION:**  
Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards.  
Replacement and rehabilitation of aging water line distribution infrastructure. Improvements performed under this Capital project will be capitalized. This project was originally in the operating budget but was moved into the CIB to allow for additional flexibility due to the nature of the project.

**LOCATION:**  
Various Sanitary Districts, Various Election Districts

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)		\$40,860		\$3,750		\$3,750		\$48,360
PLANNING/DESIGN (10%)								\$0
LAND ACQUISITION								\$0
CONSTRUCTION		\$815,500		\$75,000		\$75,000		\$965,500
INSPECTION (10%)		\$81,500		\$7,500		\$7,500		\$96,500
CONTINGENCIES (10%)								\$0
ESCALATION Base FY 2021				\$8,954	\$0	\$13,774	\$0	\$22,728
<b>TOTAL COSTS</b>	<b>\$0</b>	<b>\$937,860</b>	<b>\$0</b>	<b>\$95,204</b>	<b>\$0</b>	<b>\$100,024</b>	<b>\$0</b>	<b>\$1,133,088</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$0								
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY GRANT (ARPA)	\$0		\$548,309						
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$584,779		\$389,551		\$95,204		\$100,024		
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$584,779</b>	<b>\$0</b>	<b>\$937,860</b>	<b>\$0</b>	<b>\$95,204</b>	<b>\$0</b>	<b>\$100,024</b>	<b>\$0</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$1,133,088
<b>TOTAL</b>	<b>100%</b>	<b>\$1,133,088</b>

**CAPITAL IMPROVEMENT BUDGET and PROGRAM**  
**FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
MD 235 Water Main-Southampton to Hermanville Rd	8210WL	Water Lines

**DESCRIPTION:**

This project is intended to install 2,780 LF of 10 inch along Route 235, from Southampton Drive to Hermanville. The water line would begin at Southampton Drive and extend to the existing 8 inch water line at 21151 Three Notch Road. This project is identified in the prior Water & Sewer Facility Plan as part of Project #12. This new main will run within the MD 235 right of way, easements may be required at Southern end near the water connection at 21151 Three Notch Rd. This project is anticipated to be completed in a single phase.

**PLANNING JUSTIFICATION:**

This line will provide water flow to link the southern sector of Route 235 (Southgate Center, a stand alone water system) with the greater Lexington Park water system. This connection would provide connection to the Southgate Center that would facilitate our ability to isolate sections of the system as well as provided a greater degree of reliability to customers in the area. This connection would alleviate the need for a second well at Southgate (which has property constraints) as well as allow a second connection Southampton. This project is identified on the Water Facilities Plan as part of Capital Project ID as 12. The cost estimate is based on a class 4 MetCom construction cost estimate in 2017 dollars.

**LOCATION:**

8th Sanitary District, 8th Election District, Lexington Park

APPROPRIATION PHASE	Design		Construction					Total Project
	Prior Approval	Budget FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
								\$0
ADMINISTRATION (5%)		\$42,115						\$42,115
PLANNING/DESIGN (10%)	\$84,229							\$84,229
LAND ACQUISITION								\$0
CONSTRUCTION		\$842,290						\$842,290
INSPECTION (10%)		\$84,229						\$84,229
CONTINGENCIES (10%)		\$84,229						\$84,229
ESCALATION Base FY 2017	\$8,744	\$168,135						\$176,879
<b>TOTAL COSTS</b>	<b>\$92,973</b>	<b>\$1,220,998</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,313,971</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$1,313,971	\$92,973	\$1,220,998						
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$1,313,971</b>	<b>\$92,973</b>	<b>\$1,220,998</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$1,313,971
<b>TOTAL</b>	<b>100%</b>	<b>\$1,313,971</b>

**CAPITAL IMPROVEMENT BUDGET and PROGRAM  
FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Southampton Water System Rehabilitation	8201WL	Water Lines

**DESCRIPTION:**

The County Commissioners have identified the Southampton Subdivision for infrastructure improvements to sidewalks, curb and gutter, storm drainage, utilities and streets. The Water System Rehabilitation is a water facilities renewal project proposed in conjunction with DPW&T's neighborhood revitalization project. The Water System Rehabilitation project will affect the approximately 97 dwellings by providing them with a more reliable water system. The project will replace or rehabilitate the water system on Southampton Drive, Windsor Drive, Brighton Ave, Cambridge Ave and Lincoln Ave. The work consists of the replacement of approximately 3,700 linear feet of 8" water line and an approximate 1,500 linear feet of 10" waterline from the connection point on Lincoln Ave through the subdivision to the intersection of Southampton Drive and Three Notch to create a loop down to the Southgate Center to improve resiliency (including water service connections to the meter). No new connections will be provided and no additional land, rights-of-way, or easements are anticipated. Begin Design: Spring 2020 (12 months)

FY 2023 - Phase 1 includes a portion of Lincoln Avenue and Southampton Drive, Bristol Avenue, and Windsor Drive.  
FY 2025 - Phase 2 includes a portion of Lincoln Avenue and Southampton Drive, Cambridge Avenue, Brighton Avenue.  
There is no waterline replacement required in Phase 3.

**PLANNING JUSTIFICATION:**

Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - 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 4 estimate provided by consultant, in 2017 dollars plus 2.5% escalation per year.

**LOCATION:**

8th Election District, 8th Sanitary District, Southampton Subdivision

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)	\$50,000	\$8,430		\$8,431				\$66,861
PLANNING/DESIGN (10%)	\$217,000	\$16,080		\$16,080				\$249,160
LAND ACQUISITION								\$0
CONSTRUCTION		\$1,367,407		\$1,157,102				\$2,524,509
INSPECTION (10%)		\$133,725		\$115,436				\$249,161
CONTINGENCIES (10%)		\$133,725		\$115,436				\$249,161
ESCALATION Base FY 2018	\$13,617	\$218,054		\$266,516	\$0			\$498,187
<b>TOTAL COSTS</b>	<b>\$280,617</b>	<b>\$1,877,421</b>	<b>\$0</b>	<b>\$1,679,001</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,837,039</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
DHCD/MDE LOAN	\$3,837,039	\$280,617	\$1,877,421		\$1,679,001				
REVOLVING LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
OTHER SOURCES	\$0								
	\$0								
<b>TOTAL FUNDS</b>	<b>\$3,837,039</b>	<b>\$280,617</b>	<b>\$1,877,421</b>	<b>\$0</b>	<b>\$1,679,001</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$3,837,039
<b>TOTAL</b>	<b>100%</b>	<b>\$3,837,039</b>



**CAPITAL IMPROVEMENT BUDGET and PROGRAM  
FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Hollywood Water Systems Connector & Phase 2 Replacement	8141WM	Water Lines

**DESCRIPTION:**  
The Water Systems Connector will install approximately 1600 linear feet (LF) of 8-inch pipe along MD-235 from the Hollywood Rescue Squad Tower to the crossing at Dean Lumber Road and approximately 600 LF of 8-inch pipe across MD-235 to Mervell Dean Road, and another 600 LF from the crossing North along Mervell Dean Road. This project will replace undersized lines providing increased fire flow and new hydrants meeting current requirements. This portion of the project will positively affect all customers in the Broad Creek Subdivision and the Hollywood Town center by creating an 8 inch loop from the Hollywood tower to the 8 inch line along Mervell Dean Road. Customers and traffic in the area will be affected by the construction. This project could provide one potential service connection. No additional land acquisition, right-of-way are required, but easements will be required. The project is anticipated to be completed under a single phase.

**PLANNING JUSTIFICATION:**  
Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - The Systems Connector will provide water flow to link the Hollywood town center to the proposed elevated storage tank. This will provide more reliable service and provide a redundancy in supply and elevated storage. Phase 2 is identified in the Water Facility Plan as a pipe replacement project. This line has reached the end of its service life and replacement is necessary before repair costs escalate. The proposed main will meet current standards and provide improved reliability to customers. The construction costs are based on a class 4 estimate provided by consultant, in 2017 dollars plus 2.5% escalation per year.

**LOCATION:**  
6th Election District, 8th Sanitary District, Hollywood

APPROPRIATION PHASE	Design		Construction					Total Project
	Prior Approval	Budget FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)	\$7,000							\$7,000
PLANNING/DESIGN (10%)	\$134,894							\$134,894
LAND ACQUISITION								\$0
CONSTRUCTION			\$1,042,012					\$1,042,012
INSPECTION (10%)			\$104,201					\$104,201
CONTINGENCIES (10%)			\$104,201					\$104,201
ESCALATION Base FY 2018	\$14,730	\$0	\$199,683	\$0				\$214,413
<b>TOTAL COSTS</b>	<b>\$156,624</b>	<b>\$0</b>	<b>\$1,450,097</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,606,721</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	FY 2024	Five Year Capital Program				Balance to Complete
					FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$1,606,721	\$156,624		\$1,450,097					
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$1,606,721</b>	<b>\$156,624</b>	<b>\$0</b>	<b>\$1,450,097</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$1,606,721
<b>TOTAL</b>	<b>100%</b>	<b>\$1,606,721</b>

**CAPITAL IMPROVEMENT BUDGET and PROGRAM**  
**FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
MD247 Loveville Road Water Main Replacement	3231WL	Water Lines

<p><b>DESCRIPTION:</b> This project will begin the evaluation and design for the upgrade and replacement of the existing failing 2" diameter galvanized waterline along Loveville Road built in the 1970s. The proposed upgrade will include approximately 1,900 linear feet (LF) of new 8" water main within State Highway right-of-way. The project may also include a 1,000 LF upgrade to the existing 4" diameter waterline that extends into the King and Kennedy Subdivision water station to provide increased fire protection (hydrants). Design: Fall 2023 (7 months).</p> <p><b>PLANNING JUSTIFICATION:</b> Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. The system was not brought to current standards when taken over by MetCom. Operations and Maintenance have indicated that this system is deteriorating as it nears the end of its service life and is comprised of under size mains. Due to the undersized mains, fire flow is currently not provided in many areas currently served by public water. The replacement of the water mains will provide increased reliability and fire protection.</p> <p><b>LOCATION:</b> 6th Election District, 3rd Sanitary District - MD247, King and Kennedy Subdivision</p>
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APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)								\$0
PLANNING/DESIGN (10%)		\$100,000						\$100,000
LAND ACQUISITION								\$0
CONSTRUCTION			\$900,000					\$900,000
INSPECTION (10%)								\$0
CONTINGENCIES (10%)								\$0
ESCALATION Base FY 2018		\$13,141	\$143,724	\$0				\$156,865
<b>TOTAL COSTS</b>	\$0	\$113,141	\$1,043,724	\$0	\$0	\$0	\$0	\$1,156,865

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$1,156,865		\$113,141	\$1,043,724					
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	\$1,156,865	\$0	\$113,141	\$1,043,724	\$0	\$0	\$0	\$0	\$0

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$1,156,865
<b>TOTAL</b>	100%	\$1,156,865

**CAPITAL IMPROVEMENT BUDGET and PROGRAM  
FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Breton Bay Water System Replacement	2201WL	Water Lines

**DESCRIPTION:**  
This project will replace the Breton Bay Water System located on the Eastern side of Society Hill Road South of Breton Inn which was originally built in the 1960s. This system serves approximately 200 Customers. The water mains do not meet current MetCom specifications and are 50 years old and reaching the end of their useful life. Additionally, the mains in the area are small (2, 4 and 6 inch diameter) and the area is not adequately served by fire hydrants. The existing water mains and water services up to the meter pits will need to be abandoned and new water mains and services will be engineered and constructed consisting of approximately 20,000 lf of 8-inch mains. The new mains will be installed in the existing County maintained right-of-ways. The project is anticipated to be completed in three phases. Design Spring 2020 (15 months) extends from existing well to Lake Drive. Construction: Phase 1 (FY23); Phase 2 (FY27) and Phase 3 (Out Years) will extend from Lake Drive to the end of Port Place.

**PLANNING JUSTIFICATION:**  
Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - The existing water infrastructure has reached the end its useful life and are undersized. Frequent breaks reduce system reliability. Due to the undersized mains, fire flow is currently not provided in many areas currently served by public water. The replacement of the water mains will provide adequate fire protection. Operations and Maintenance has recorded 14 water main and service line breaks between August 2014 and December 2016. Repairing these breaks involves shutting down portions of the water system which effects customers. The construction costs are based on a class 4 estimate provided by consultant, in 2017 dollars plus 2.5% escalation per year.

**LOCATION:**  
3rd Election District, 2nd Sanitary District, Breton Bay

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)	\$50,000	\$118,285				\$87,673		\$255,958
PLANNING/DESIGN (10%)	\$336,571			\$175,346				\$511,917
LAND ACQUISITION								\$0
CONSTRUCTION		\$3,365,708				\$1,753,460		\$5,119,168
INSPECTION (10%)		\$336,571				\$175,346		\$511,917
CONTINGENCIES (10%)		\$336,571				\$175,346		\$511,917
ESCALATION Base FY 2018	\$21,956	\$546,282		\$33,085		\$545,464		\$1,146,787
<b>TOTAL COSTS</b>	<b>\$408,527</b>	<b>\$4,703,417</b>	<b>\$0</b>	<b>\$208,431</b>	<b>\$0</b>	<b>\$2,737,289</b>	<b>\$0</b>	<b>\$8,057,664</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$8,057,664	\$408,527	\$4,703,417		\$208,431		\$2,737,289		
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG									
<b>TOTAL FUNDS</b>	<b>\$8,057,664</b>	<b>\$408,527</b>	<b>\$4,703,417</b>	<b>\$0</b>	<b>\$208,431</b>	<b>\$0</b>	<b>\$2,737,289</b>	<b>\$0</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$8,057,664
<b>TOTAL</b>	<b>100%</b>	<b>\$8,057,664</b>

**CAPITAL IMPROVEMENT BUDGET and PROGRAM  
FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Town Creek Water System Phase 1 - 5	8081WR 8161WL	Water Lines

**DESCRIPTION:**

This project is a water facilities renewal project. The Town Creek Water System was originally built in the 1950s and as a stand-alone water system. MetCom later took over operation of this system and incorporated it into the Lexington Park Water System. The distribution system in Town Creek currently serves approximately 360 customers. The water mains do not meet current MetCom specifications, over are 60 years old, and reaching the end of their useful life. In July 2015, 900 feet of emergency waterline repairs were completed on Spruce Drive. Additionally, due to the layout of many of the water services serving the existing homes, individual water meters cannot be installed and water usage cannot be accurately tracked. Accurate drawings of the existing water system do not exist. The Project has prior design approval for Phases 1 & 2. Easements will be required. The Project is expected to have additional phases for a total of five proposed phases. Potential future service connections for the North side of Town Creek Drive have been identified for the following phases: Phase 1 - 8 connections, Phase 2 - 0 connections, and Phase 3 - 7 connections. Future connections for existing homes on private wells will be identified as the phases progress. Water lines will be increased in size from 2 inches to 8 inches to improve flow, reliability and level of service for domestic and fire use. This project will provide stub outs for the North side of Town Creek Drive which is currently served predominately by individual wells. Phase 1: Design completed with Construction NTP April 2019 (10 months). Phase 2: Design completion Spring 2021 with Construction (FY22). Changes to the phasing schedule were discussed at the CSMC /MetCom Joint Meeting on 11-2-2021.

**PLANNING JUSTIFICATION**

Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - The Water Facilities Capital Project Plan has identified areas within the existing water infrastructure in Town Creek which is within the Development District. The water system has exceeded life expectancy of the facilities and is undersized in many areas. Additionally, water meters cannot be installed due to the configuration of the water services. The undersized mains do not provide adequate domestic water pressure or fire flow. Operations and Maintenance has recorded 33 water main and service line breaks between June 2014, and December 2016. Repairing these breaks involves shutting down portions of the water system which effects customers. Construction costs are based on a class 2/4 estimate provided by the design consultant plus 2.5% escalation per year.

**LOCATION:**

8th Election District, 8th Sanitary District, Town Creek Subdivision

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)	\$200,000		\$75,000		\$95,923		\$107,915	\$478,838
PLANNING/DESIGN (10%)	\$564,000		\$150,000		\$191,846		\$302,160	\$1,208,006
LAND ACQUISITION								\$0
CONSTRUCTION	\$4,350,000				\$1,500,000		\$1,918,460	\$7,768,460
INSPECTION (10%)	\$435,000				\$150,000		\$191,846	\$776,846
CONTINGENCIES (10%)	\$435,000				\$150,000		\$191,846	\$776,846
ESCALATION Base FY 2018	\$203,242		\$35,931		\$455,975		\$759,653	\$1,454,801
<b>TOTAL COSTS</b>	<b>\$6,187,242</b>	<b>\$0</b>	<b>\$260,931</b>	<b>\$0</b>	<b>\$2,543,744</b>	<b>\$0</b>	<b>\$3,471,880</b>	<b>\$12,463,797</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$10,161,370	\$3,884,815		\$260,931		\$2,543,744		\$3,471,880	
MDE LOAN FUNDS	\$2,052,427	\$2,052,427							
DHCD LOAN	\$250,000	\$250,000							
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$12,463,797</b>	<b>\$6,187,242</b>	<b>\$0</b>	<b>\$260,931</b>	<b>\$0</b>	<b>\$2,543,744</b>	<b>\$0</b>	<b>\$3,471,880</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$12,463,797
<b>TOTAL</b>	<b>100%</b>	<b>\$12,463,797</b>

# WELLS

**CAPITAL IMPROVEMENT BUDGET and PROGRAM**  
**FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Charlotte Hall Well #1	0231WW	Water Wells

**DESCRIPTION:**

This project will construct a new production well in either the Patapsco or Aquia Aquifer. This well will replace the existing well that failed in May 2019, affecting all customers in the Charlotte Hall water system. The proposed well will be designed to balance production, and increase efficiency in the Charlotte Hall System. A water quality monitoring device may also be installed based on the approved Risk and Resiliency Assessment (RRA) recommendations.

**PLANNING JUSTIFICATION:**

Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - Currently the production wells in the area are running approximately 17 hours per day. This results in system wide pressure loss in times of peak demand as well as use exceeding current Groundwater Appropriation Permits (GAP).

**LOCATION:**

10th Sanitary District, 10th Election District

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)		\$30,000						\$30,000
PLANNING/DESIGN (10%)		\$60,000						\$60,000
LAND ACQUISITION								\$0
CONSTRUCTION		\$600,000						\$600,000
INSPECTION (10%)		\$60,000						\$60,000
CONTINGENCIES (10%)		\$60,000						\$60,000
ESCALATION Base FY 2021		\$41,006						\$41,006
<b>TOTAL COSTS</b>	<b>\$0</b>	<b>\$851,006</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$851,006</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$851,006		\$851,006						
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$851,006</b>	<b>\$0</b>	<b>\$851,006</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$851,006
<b>TOTAL</b>	<b>100%</b>	<b>\$851,006</b>

**CAPITAL IMPROVEMENT BUDGET and PROGRAM**  
**FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Well Rehabilitation, Replacement, Installation and Inspections	WO2301	Water Wells
PROGRAM		

<b>DESCRIPTION:</b>
Inspections, installation of new wells, and rehabilitation or replacement of existing wells and booster pumps, including but not limited to controls, soft start controls, and pumps per 2019 Energy Audit (soft start controls ease pressure changes in the existing lines in order to avoid impacts/damage do to water hammer). Ongoing program to inspect wells semi-annually and to upgrade or maintain capacity. The Commission currently has 67 well sites. Projects include but are not limited to: Piney Point Landings well replacement/booster pumps (FY23). Future projects may be include the addition of water quality monitoring devices for Greenbrier, Charlotte Hall, Grandview Haven, Hunting Quarter, and Hearts Desire wells per the approved Risk and Resiliency Assesment (RRA).
<b>PLANNING JUSTIFICATION:</b>
Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - Maintenance of infrastructure through a continuing program of inspection and rehabilitation. Estimates include 2.5% escalation per year.
<b>LOCATION:</b>
Various Sanitary Districts, Various Election Districts

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)		\$10,000		\$10,000		\$10,000		\$30,000
PLANNING/DESIGN (10%)		\$20,000		\$20,000		\$20,000		\$60,000
LAND ACQUISITION								\$0
CONSTRUCTION	\$55,000	\$200,000	\$55,000	\$200,000	\$55,000	\$200,000	\$55,000	\$820,000
INSPECTION (10%)		\$20,000		\$20,000		\$20,000		\$60,000
CONTINGENCIES (10%)		\$20,000		\$20,000		\$20,000		\$60,000
ESCALATION Base FY 2021		\$13,669	\$4,229	\$28,029	\$7,227	\$43,117	\$10,378	\$106,649
<b>TOTAL COSTS</b>	<b>\$55,000</b>	<b>\$283,669</b>	<b>\$59,229</b>	<b>\$298,029</b>	<b>\$62,227</b>	<b>\$313,117</b>	<b>\$65,378</b>	<b>\$1,136,649</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$0								
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$1,136,649	\$55,000	\$283,669	\$59,229	\$298,029	\$62,227	\$313,117	\$65,378	
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$1,136,649</b>	<b>\$55,000</b>	<b>\$283,669</b>	<b>\$59,229</b>	<b>\$298,029</b>	<b>\$62,227</b>	<b>\$313,117</b>	<b>\$65,378</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$1,136,649
<b>TOTAL</b>	<b>100%</b>	<b>\$1,136,649</b>

# WATER STORAGE TANKS



**CAPITAL IMPROVEMENT BUDGET and PROGRAM  
FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
St. Clements Shores Water Storage Tank	2191WT	Water Storage Tanks

**DESCRIPTION:**

This storage is necessary because the existing 44,500 gallon storage tank will be inadequate to efficiently meet daily demand and provide fire flow for this community. Project includes the extension of approximately 1,500 linear feet of 12" waterline to the storage tank site. To meet the storage requirement in the St. Clements Shores service area, it is necessary to install approximately 200K gallons of storage to meet projected demand and fire flow. This storage is necessary because the existing ground storage will be insufficient. Prior approved monies for the water line extension may be accomplished with the tower construction. The project may include land acquisition or land swap with the County to provide sufficient area to construct the new water storage tank. It is anticipated that the project will be completed after Phase 2 of the St. Clements Shores Water System Replacement project.

**PLANNING JUSTIFICATION:**

Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - The current St. Clements Shores Water System consists of one 180gpm well, one 200gpm well and a 44,500 gallon ground storage tank. Due to infill and the imperative need to upgrade the water mains, a new storage tank is needed to ensure adequate water supply to meet domestic demand and fire suppression needs. Operations and Maintenance will be included in the design of the water storage tower. The construction costs are based on a class 4 estimate provided by consultant, in 2017 dollars plus 2.5% escalation per year.

**LOCATION:**

3rd Election District ,2nd Sanitary District, St. Clements Shores

APPROPRIATION PHASE	Design		Construction					Total Project
	Prior Approval	Budget FY 2023	Five Year Capital Program					
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)					\$52,000			\$52,000
PLANNING/DESIGN (10%)					\$54,000			\$54,000
LAND ACQUISITION								\$0
CONSTRUCTION	\$249,075				\$1,640,000			\$1,889,075
INSPECTION (10%)					\$164,000			\$164,000
CONTINGENCIES (10%)					\$164,000			\$164,000
ESCALATION Base FY 2018					\$452,968			\$452,968
<b>TOTAL COSTS</b>	<b>\$249,075</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,526,968</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,776,043</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$2,526,968					\$2,526,968			
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$249,075	\$249,075							
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$2,776,043</b>	<b>\$249,075</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,526,968</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$2,776,043
<b>TOTAL</b>	<b>100%</b>	<b>\$2,776,043</b>

**CAPITAL IMPROVEMENT BUDGET and PROGRAM  
FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Water Tank Inspections, Painting and Replacement/Upgrades	WO2317	Water Storage Tanks
PROGRAM		

**DESCRIPTION:**  
Inspections, painting and rehabilitation or replacement of ground, pressure and elevated water storage tanks to prevent deterioration of these structures due to weathering, exposure and age. Ongoing project to inspect approximately 20% of the 57 total tanks annually that are in the Commission inventory. In some cases, it is more economical to replace small tanks than to rehabilitate and paint. Project includes rehabilitation and upgrade to various water storage tanks, such as but not limited to: St. Clements Shores, Wild Goose Crest, Villages of Leonardtown, Grandview Haven (FY22) and Ben Oaks (FY24) per 12-17-2020 inspection report.

FY24 construction includes Great Mills altitude valve in lieu of Standpipe upgrade. Future projects will be based on inspection report recommendations.

FY23 monies include \$60,000 in ARPA monies proposed to be allocated by the County for future water quality monitoring devices in accordance with RRA recommendations.

**PLANNING JUSTIFICATION:**  
Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - Maintenance of infrastructure through a continuing program of inspection and rehabilitation. Estimates include 2.5% escalation per year.

**LOCATION:**  
Various Sanitary Districts, Various Election Districts

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)	\$24,300	\$7,500	\$24,300	\$4,500	\$24,300	\$4,500	\$24,300	\$113,700
PLANNING/DESIGN (10%)	\$48,600		\$48,600		\$48,600		\$48,600	\$194,400
LAND ACQUISITION								\$0
CONSTRUCTION	\$486,000	\$150,000	\$486,000	\$90,000	\$486,000	\$90,000	\$486,000	\$2,274,000
INSPECTION (10%)	\$48,600		\$48,600		\$48,600		\$48,600	\$194,400
CONTINGENCIES (10%)	\$48,600		\$48,600		\$48,600		\$48,600	\$194,400
ESCALATION Base FY 2020	\$33,215	\$7,266	\$68,112	\$12,418	\$104,775	\$17,831	\$143,294	\$386,911
<b>TOTAL COSTS</b>	<b>\$689,315</b>	<b>\$164,766</b>	<b>\$724,212</b>	<b>\$106,918</b>	<b>\$760,875</b>	<b>\$112,331</b>	<b>\$799,394</b>	<b>\$3,357,811</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$0								
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$2,973,796	\$689,315		\$724,212		\$760,875		\$799,394	
BONDS	\$0								
STATE GRANT	\$0								
COUNTY GRANT (ARPA)	\$0		\$60,000						
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$324,015		\$104,766		\$106,918		\$112,331		
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$3,297,811</b>	<b>\$689,315</b>	<b>\$164,766</b>	<b>\$724,212</b>	<b>\$106,918</b>	<b>\$760,875</b>	<b>\$112,331</b>	<b>\$799,394</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	
FACILITIES EXPANSION	0%	
REHAB/REPLACEMENT	100%	\$3,357,811
<b>TOTAL</b>	<b>100%</b>	<b>\$3,357,811</b>

**CAPITAL IMPROVEMENT BUDGET and PROGRAM  
FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Greenbrier Water Storage Tank	8161WT	Water Storage Tanks

**DESCRIPTION:**

This project will provide a water storage tank to meet the capacity requirements for the Greenbrier Subdivision service area. The proposed ground storage tank is necessary because the existing tank, installed in the early 90's, is only 8,000 gallons and is inadequate to meet demand and provide fire flow to this 426 EDU community. In addition, interconnecting water mains to the subdivision are not scheduled to be constructed at this time based on slower than anticipated growth. The new ground storage tank, projected to be approximately 200K gallons, and will be analyzed during design of the project. The project will require land transfer from an HOA per a prior Public Works Agreement to provide an area to construct the new water storage tank. It is anticipated that the project will be completed in a single phase. Design: Winter 2019 (8 months). Currently addressing infrastructure (i.e., existing well) that may be on property not owned by MetCom. A boundary line adjustment plat (BLAP) is underway to include additional area to accommodate the size of the new storage tank. Construction: Fall 2022 (9 months).

**PLANNING JUSTIFICATION:**

Comprehensive Plan 7.4.2.A.i.b - Upgrade community water systems to appropriate standards. - The current water system consists of one 210 gpm well in the Aquia aquifer, one 240 gpm well in the Patapsco aquifer, and an 8,000 gallon storage tank. A new ground storage tank is needed to ensure adequate water supply to meet domestic demand and fire suppression needs. The project is identified as Water Facilities Plan Capital Project ID D. Operations and Maintenance will be included in the design of this project. The construction costs are based 95% plans provided by consultant, in 2022 dollars plus 2.5% escalation per year.

**LOCATION:**

8th Election District, 8th Sanitary District, Greenbrier Subdivision

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)	\$30,000	\$5,500	\$0	\$0	\$0	\$0	\$0	\$35,500
PLANNING/DESIGN (10%)	\$405,469	\$40,547	\$0	\$0	\$0	\$0	\$0	\$446,016
LAND ACQUISITION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CONSTRUCTION	\$0	\$710,000	\$0	\$0	\$0	\$0	\$0	\$710,000
INSPECTION (10%)	\$0	\$35,500	\$0	\$0	\$0	\$0	\$0	\$35,500
CONTINGENCIES (10%)	\$0	\$71,000	\$0	\$0	\$0	\$0	\$0	\$71,000
ESCALATION Base FY 2018	\$0	\$17,500	\$0	\$0	\$0	\$0	\$0	\$17,500
<b>TOTAL COSTS</b>	<b>\$435,469</b>	<b>\$880,047</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,315,516</b>

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$0								
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$435,469	\$435,469							
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$880,047		\$880,047						
DIRECT CHRGS - SYS IMPR CHG	\$0								
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	<b>\$1,315,516</b>	<b>\$435,469</b>	<b>\$880,047</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	\$0
FACILITIES EXPANSION	0%	\$0
REHAB/REPLACEMENT	100%	\$1,315,516
<b>TOTAL</b>	<b>100%</b>	<b>\$1,315,516</b>

# WATER MISCELLANEOUS

**CAPITAL IMPROVEMENT BUDGET and PROGRAM**  
**FISCAL YEAR 2023**

Approved by CSMC 5/24/2022  
 Approved by MetCom Board 5/26/2022

PROJECT TITLE	PROJ. NO.	PROJECT CLASSIFICATION
Generator Replacement-Water	WO2303	Water Misc.
PROGRAM		

**DESCRIPTION:**  
 Project includes the replacement of generators and transfer switches. The Commission maintains approximately 92 emergency generators with service life expectations of approximately 20 years. The program is intended to replace/upgrade two (2) generators per year. Generators will be standardized to the fullest extent practical and advances in technology will be monitored to ensure the most efficient systems are considered.

There are approximately five (5) generators near or in excess of 20 years old and nine (9) between 14-20 years that are in need of scheduled replacement.

**PLANNING JUSTIFICATION:**  
 Comprehensive Plan 7.4.2.A.i.b. - Upgrade community water systems to appropriate standards.

**LOCATION:**  
 Various Sanitary Districts, Various Election Districts

APPROPRIATION PHASE	Prior Approval	Budget FY 2023	Five Year Capital Program					Total Project
			FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
ADMINISTRATION (5%)								\$0
PLANNING/DESIGN (10%)								\$0
LAND ACQUISITION								\$0
CONSTRUCTION		\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$720,000
INSPECTION (10%)								\$0
CONTINGENCIES (10%)								\$0
ESCALATION Base FY 2023								\$0
<b>TOTAL COSTS</b>	\$0	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$720,000

FUNDING SOURCE	Total Project	Prior Approval	Budget FY 2023	Five Year Capital Program					Balance to Complete
				FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
MDE/DHCD LOAN	\$0								
MDE LOAN FUNDS	\$0								
DHCD LOAN	\$0								
BONDS	\$0								
STATE GRANT	\$0								
COUNTY FUNDS	\$0								
METCOM FUNDS	\$0								
DIRECT CHRGS - SYS IMPR CHG	\$720,000		\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	
DIRECT CHRGS - CAP CONTR CHG	\$0								
<b>TOTAL FUNDS</b>	\$720,000	\$0	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$0

FUNDING ASSIGNMENT	Total Project %	Total Project \$
SERVICE AREA EXPANSION	0%	\$0
FACILITIES EXPANSION	0%	\$0
REHAB/REPLACEMENT	100%	\$720,000
<b>TOTAL</b>	100%	\$720,000