

Water & Sewer 5-YEAR PLAN

FY 2021 FY 2022 FY 2023 FY 2024 FY 2025

Total
'21-'25

FY2021-FY2025 CAPITAL IMPROVEMENT PLAN

(\$ in thousands)

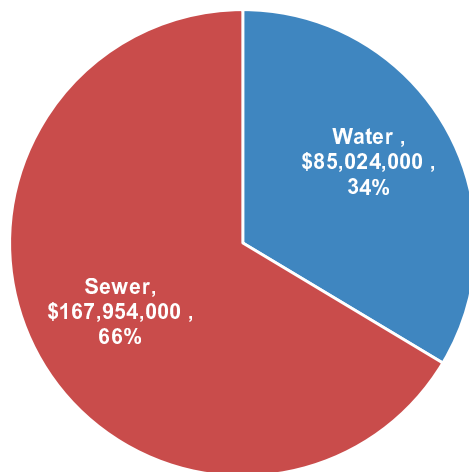
CAPITAL COSTS

Water	\$6,969	\$21,357	\$21,781	\$19,798	\$15,119	\$85,024
Sewer	35,045	65,551	41,504	9,658	16,196	167,954
Total	\$42,014	\$86,908	\$63,285	\$29,456	\$31,315	\$252,978

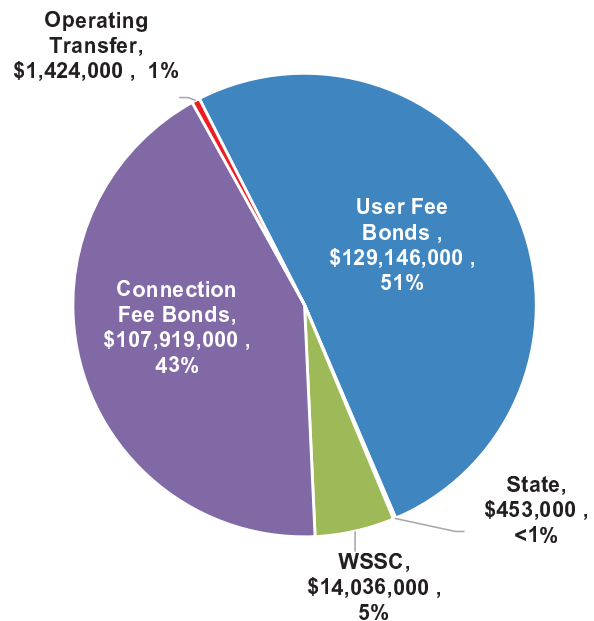
FINANCE SOURCES

User Fee Bonds	\$24,131	\$41,625	\$28,479	\$17,734	\$17,177	\$129,146
Connection Fee Bonds	14,252	39,207	30,989	10,980	12,491	107,919
Operating Transfer	370	201	326	326	201	1,424
Total County Funding	\$38,753	\$81,033	\$59,794	\$29,040	\$29,869	\$238,489
State	453	0	0	0	0	453
Other: WSSC	2,808	5,875	3,491	416	1,446	14,036
Total	\$42,014	\$86,908	\$63,285	\$29,456	\$31,315	\$252,978

Capital Costs



Finance Sources



Highlights:

- County staff reviewed each Water & Sewer project and adjusted the cost based on current estimates and adjusted the timeline based on projected spending patterns.

Projects that were previously fully funded and now require increases:**(\$ in thousands)**

Project Title	FY2021	FY2022	FY2023	FY2024	FY21-25	Page
Clifton Water System Improvements	\$483				\$483	24
<i>Based on preliminary estimated tower construction costs, the budget increase is needed to cover the construction cost for the water line extension portion of the project.</i>						
Waldorf Well No. 17	797	797			1,594	25
<i>Budget increased to match projected costs based on construction of previous phases and the current bid price for the final phase of Bryans Road Well No. 7.</i>						
Old Washington Road Watermain Extension	388				388	36
<i>Based on revised estimates and due to delay in project schedule.</i>						
MWWTP Belt Filter Press Replacement Phase II	4,478	4,103			8,581	62
<i>Funding to address lime system replacement was revised.</i>						
Total:	\$6,146	\$4,900	\$0	\$0	\$11,046	

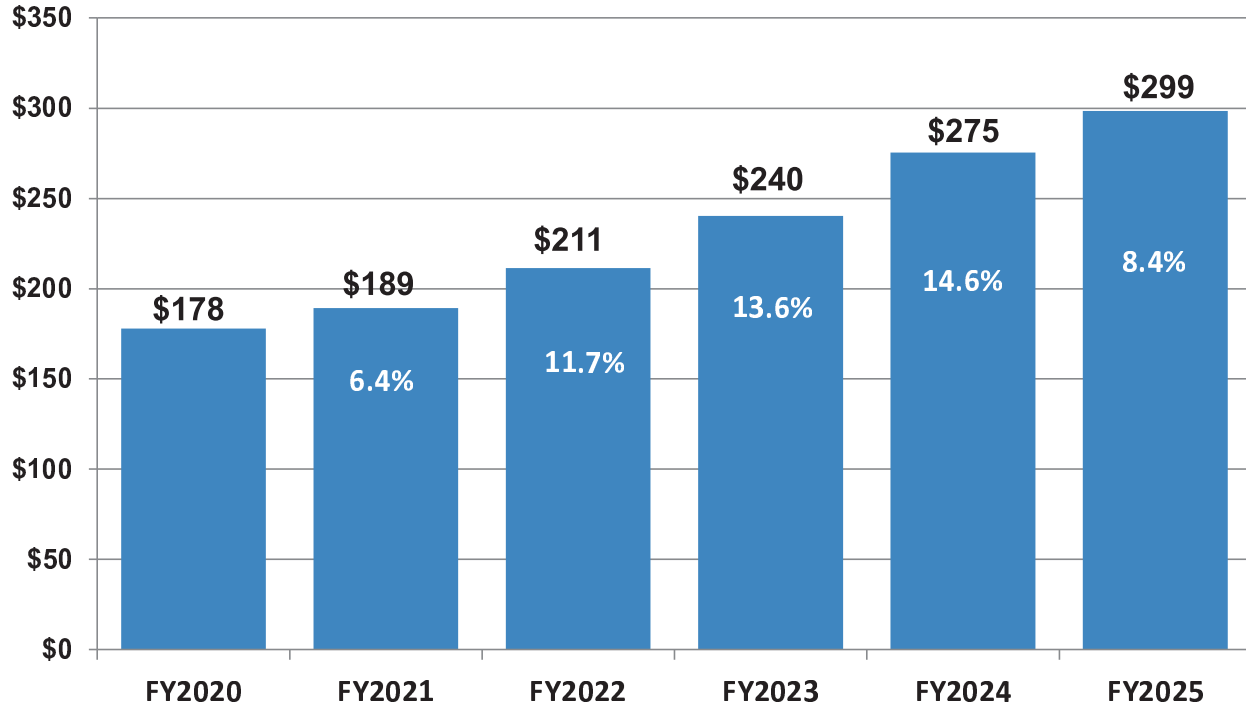
New projects added to the FY2021-FY2025 CIP (\$ in thousands):

Project Title	FY2021	FY2022	FY2023	FY2024	FY21-25	Page
South Region Operations & Maintenance Facility	\$153				\$153	15
<i>This project includes renovations to a currently unused portion of the Bel Alton School/Jude House facility for the South Region Operations and Maintenance staff that is closely located to the sites that they operate and maintain. The current location has inadequate parking, storage, meeting space, and work space for assigned personnel.</i>						
Waldorf Tower No. 5 Rehabilitation	1,603	1,253			2,856	26
<i>Based on recommendations from a Spring 2019 conditional assessment, perform interior and exterior recoating and miscellaneous repairs to the 2 million gallon water tower known as Waldorf Tower No. 5 (McDaniel Road).</i>						
Bryans Village Waterline Interconnection	68	128	756	783	1,735	28
<i>The northern part of Bryans Road needs an additional water line for redundancy. The project includes the design and construction of an 8 inch water line interconnection between South Hampton Subdivision to connect Bryan's Village Subdivision (850'+/-) and Bryan's Village Subdivision to the Marshall Grove Subdivision (750'+/-).</i>						
Mill Hill Waterline Extension	211	166	0	0	377	29
<i>New project is a result of updated water model. The connection will increase flow reliability for the entire area.</i>						
Strawberry Hills Waterline	153				153	30
<i>New project is a result of the updated water model. Waterline will provide a redundancy loop and provide flow to tower.</i>						

New projects added to the FY2021-FY2025 CIP (\$ in thousands):

Project Title	FY2021	FY2022	FY2023	FY2024	FY21-25	Page
Marshall Hall Road Waterline Extension	74	470	220	0	764	31
<i>New project is the result of the updated water model. The extension will provide redundancy to water system.</i>						
Middletown Rd-Bensville Rd Waterline Interconnection	118	1,639	1,338	640	3,735	32
<i>To provide the necessary redundancy to Brookwood, Linden Grove, Brentwood, Kingview, and Highgrove neighborhoods.</i>						
WSSC Waldorf Interconnection	123	958	7,533	6,433	15,047	33
<i>To prepare the Waldorf water system for additional interconnections to the WSSC water system.</i>						
Waldorf Fire House Water Tower Replacement	149	3,195	2,821	0	6,165	34
<i>The new tower will increase fire flow and pressure to the WURC development area. New tower will require a new location.</i>						
Waldorf Urban Redevelopment Center Water Distribution	88	543	977	0	1,608	35
<i>With the construction of a new tower on the Waldorf Fire House site, waterline extensions to the existing system will require upsizing and extension. Design and construction of 12" water lines from the tower to Leonardtown Rd (1300') and from the Tower to Crain Highway (650') to tie into the existing Waldorf System.</i>						
MWWTP Final Filter Disinfection System	674	1,023	0	0	1,697	59
<i>This project is needed to maintain system performance of the filters and to provide the best quality water possible to reclaimed water customers. The priority is based on recent water quality issues experienced at the plant.</i>						
MWWTP Reclaimed Water Pump Station Improvements	864	1,104	0	0	1,968	60
<i>This project includes: replacement of drain valves in wetwell to facilitate cleaning and maintenance, replacement of the disinfection system, and additional discharge header connection for added system reliability. The priority of this project is based on recent water quality issues experienced at the plant.</i>						
MWWTP Effluent PS Forcmain Surge Management System	406	1,120	0	0	1,526	61
<i>The priority of this project is based on the need to manage surge pressures experienced in the forcmain. These pressures have increased since the effluent pump station was recently upgraded.</i>						
MWWTP Belt Filter Press Replacement Phase II	4,478	4,103	0	0	8,581	62
<i>Belt Filter Presses #1 through #3 of the sludge process at MWWTP are aged and in need of replacement. Work includes replacement of all mechanical, electrical, and structural components. Additional work includes replacement of lime system that is aged and in need of replacement.</i>						
MWWTP Administration Building Renovations	293	0	0	0	293	63
<i>To provide needed renovations and for better space utilization.</i>						
Total	\$9,455	\$15,702	\$13,645	\$7,856	\$46,658	

Estimated Quarterly Water & Sewer Bill



NOTE: % change reflected in graph above represents % increase in the estimated quarterly bill in comparison to the prior year.

	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	5 Year Impact
IMPACT ON QUARTERLY BILL							
Estimated Water & Sewer Bill (based on 12,600 gallons)	\$177.86	\$189.32	\$211.45	\$240.19	\$275.38	\$298.54	
Increase in the estimated quarterly bill:							
Existing Operations		\$11.47	\$12.02	\$10.24	\$23.39	\$15.58	\$72.69
Requested FY21-FY25 CIP		\$0.00	\$10.11	\$18.51	\$11.79	\$7.59	\$47.99
Additional amount per quarter		\$11.47	\$22.13	\$28.75	\$35.18	\$23.16	\$120.68
ESTIMATED ANNUAL BILLS:							
Estimated additional annual cost	\$711.42	\$757.29	\$845.79	\$960.77	\$1,101.51	\$1,194.15	
		\$45.87	\$88.50	\$114.98	\$140.74	\$92.64	\$482.73

CONNECTION FEE

The connection fee rate will be adjusted in addition to the time value of money if a project or projects impact the rate over and above the normal fee. This year based on the requested CIP we are proposing that the water and sewer rate will need to increase by approximately 4.7% annually to fund the proposed CIP. In addition to the connection fee, staff is proposing to add the technology fee surcharge to support the County's new Energov software system.

Fiscal Year	Sewer Connection Fee	Water Connection Fee	Combined Fee	% Change
2020 Actual	\$9,966	\$5,327	\$15,293	4.57%
2021	\$10,434	\$5,577	\$16,011	4.70%
2022	\$10,924	\$5,840	\$16,764	4.70%
2023	\$11,437	\$6,114	\$17,551	4.70%
2024	\$11,975	\$6,401	\$18,376	4.70%
2025	\$12,538	\$6,702	\$19,240	4.70%

FY21 5/8" Meter Fee	\$10,434	\$5,577	\$16,011	4.70%
FY21 Technology Fee	417	223	640	NEW
TOTAL FEE	\$10,851	\$5,800	\$16,651	8.88%

CONNECTION FEE WITH TECH FEE ADDED

	FY2020 Sewer Connection Fee	FY2021 Sewer Connection Fee	Sewer Percent Change	FY2020 Water Connection Fee	FY2021 Water Connection Fee	Water Percent Change
5/8 Meter Fee	\$9,966	\$10,434	4.7%	\$5,327	\$5,577	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$9,966	\$10,851	8.9%	\$5,327	\$5,800	8.9%
3/4" Meter	\$9,966	\$10,434	4.7%	\$5,327	\$5,577	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$9,966	\$10,851	8.9%	\$5,327	\$5,800	8.9%
1" Meter	\$24,915	\$26,085	4.7%	\$13,318	\$13,943	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$24,915	\$26,502	6.4%	\$13,318	\$14,166	6.4%
1.5 " Meter	\$49,830	\$52,170	4.7%	\$26,635	\$27,885	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$49,830	\$52,587	5.5%	\$26,635	\$28,108	5.5%
2" Meter	\$79,728	\$83,472	4.7%	\$42,616	\$44,616	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$79,728	\$83,889	5.2%	\$42,616	\$44,839	5.2%
3" Meter	\$159,456	\$166,944	4.7%	\$85,232	\$89,232	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$159,456	\$167,361	5.0%	\$85,232	\$89,455	5.0%
4" Meter	\$249,150	\$260,850	4.7%	\$133,175	\$139,425	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$249,150	\$261,267	4.9%	\$133,175	\$139,648	4.9%
6" Meter	\$498,300	\$521,700	4.7%	\$266,350	\$278,850	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$498,300	\$522,117	4.8%	\$266,350	\$279,073	4.8%
8" Meter	\$797,280	\$834,720	4.7%	\$426,160	\$446,160	4.7%
Tech Fee	0	417	NEW	0	223	NEW
Total:	\$797,280	\$835,137	4.7%	\$426,160	\$446,383	4.7%

OTHER WATER & SEWER FEES WITH TECHNOLOGY FEE ADDITION

	FY2020 Fee	FY2021 Fee	Percent Change
Water Meter Purchase 5/8"	\$193.35	\$199.50	3.2%
Tech Fee*	0	8	NEW
Total:	193	207	7.3%

*Tech fee would be a fixed charge similar to the connection fee regardless of meter size. Fixed fee would be based on 5/8" meter.

W&S Allocation Application Fee	\$95	\$99	4.2%
Tech Fee - 4% surcharge	0	4	NEW
Total:	95	103	8.4%

Pretreatment Inspection Fee	\$106	\$110	3.8%
Tech Fee - 4% surcharge	0	4	NEW
Total:	106	114	7.9%

Cross-Connection Backflow Application	\$19	\$19	0.0%
Tech Fee - 4% surcharge	0	1	NEW
Total:	19	20	4.0%

Cross-Connection Backflow Inspection- Commerical	\$128	\$133	3.9%
Tech Fee - 4% surcharge	0	5	NEW
Total:	128	138	8.1%

Cross-Connection Backflow Inspection- Residential	\$60	\$62	3.3%
Tech Fee - 4% surcharge	0	2	NEW
Total:	60	64	7.5%

Cross-Connection Backflow Re-inspection	\$35	\$35	0.0%
Tech Fee - 4% surcharge	0	1	NEW
Total:	35	36	4.0%

**CHARLES COUNTY COMMISSIONERS OF CHARLES COUNTY, MD
FISCAL YEAR 2021 REQUESTED CAPITAL PROJECT BUDGET
FY2021-FY2025 CAPITAL IMPROVEMENT PROGRAM**

Department	Page Ref, #							5-Year	Prior	Beyond	Project	
			(\$ in thousands)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total '21-'25	Approp. thru FY20	FY 2025	Total
ENTERPRISE FUND OPERATIONS												
WATER & SEWER												
DPW	13	Automation & Technology Master Plan		0	0	1,139	1,139	0	2,278	6,166	0	8,444
DPW	14	Utilities Professional Development & Training Center	*	0	0	0	0	163	163	0	1,336	1,499
DPW	15	South Region Operations & Maintenance Facility	*	153	0	0	0	0	153	0	0	153
DPW	16	Utilities Waldorf Regional Facility	*	0	0	0	0	413	413	0	5,738	6,151
DPW	17	Underground Infrastructure Repairs		218	933	933	933	933	3,950	2,097	933	6,980
PGM	18	Water Model Update		98	98	98	98	98	490	847	98	1,435
DPW	19	South County Water Transmission Main		0	0	0	5,900	2,825	8,725	2,610	0	11,335
DPW	20	Satellite Water Facility Upgrades		1,816	1,816	744	744	744	5,864	1,271	744	7,879
PGM	21	Gleneagles 2MG Water Tower		0	1,849	0	0	0	1,849	4,413	0	6,262
DPW	22	Bryans Road 2MG Water Tower		0	3,494	0	0	0	3,494	2,350	0	5,844
PGM	23	Hughesville Water Line		0	1,030	1,031	0	0	2,061	2,734	0	4,795
DPW	24	Clifton Water System Improvements	^	483	0	0	0	0	483	4,132	0	4,615
DPW	25	Waldorf Well No. 17	^	797	797	0	0	0	1,594	1,818	0	3,412
DPW	26	Waldorf Tower No. 5 Rehabilitation	*	1,603	1,253	0	0	0	2,856	0	0	2,856
DPW	27	Pinefield Water Tower Rehabilitation	^	0	0	733	0	0	733	1,655	0	2,388
PGM	28	Bryans Village Waterline Interconnection	*	68	128	756	783	406	2,141	0	0	2,141
PGM	29	Mill Hill Waterline Extension	*	211	166	0	0	0	377	0	0	377
PGM	30	Strawberry Hills Waterline	*	153	638	791	0	0	1,582	0	0	1,582
PGM	31	Marshall Hall Road Waterline Extension	*	74	470	220	0	0	764	0	0	764
PGM	32	Middletown Rd-Bensville Rd Waterline Interconnection	*	118	1,639	1,338	640	0	3,735	3,868	0	7,603
PGM	33	WSSC Waldorf Interconnection	^	123	958	7,533	6,433	6,433	21,480	478	45,702	67,660
PGM	34	Waldorf Fire House Water Tower Replacement	*	149	3,195	2,821	0	0	6,165	0	0	6,165
PGM	35	Waldorf Urban Redevelopment Center Water Distribution	*	88	543	977	0	0	1,608	0	0	1,608
DPW	36	Old Washington Road Watermain Extension		388	0	0	0	0	388	1,352	0	1,740
DPW	37	MWWTP Electrical System Replacement		2,348	2,381	0	0	0	4,729	5,639	0	10,368
DPW	38	MWWTP Flow Equalization		490	12,038	9,199	1,955	5,558	29,240	14,876	0	44,116
DPW	39	Mattawoman Infiltration and Inflow		3,974	3,207	3,207	3,207	3,207	16,802	8,371	3,207	28,380
DPW	40	Mattawoman WWTP Automation		2,030	2,030	0	0	0	4,060	5,508	0	9,568
DPW	41	Pump Station Rehabs and Replacements		3,671	2,426	1,106	923	923	9,049	5,352	923	15,324
DPW	42	Satellite Wastewater Facility Upgrades		574	574	574	574	574	2,870	3,905	574	7,349
DPW	43	MWWTP Clarifier and Thickener Repairs		3,270	3,323	3,323	0	0	9,916	6,762	0	16,678
DPW	44	MWWTP Utility Water System Evaluation & Improvement		93	784	0	0	0	877	2,670	0	3,547
PGM	45	Sewer Model Update		103	103	103	103	103	515	939	103	1,557
PGM	46	Zekiah Pump Station Upgrade		0	598	598	0	0	1,196	1,417	0	2,613
PGM	47	Zekiah Pump Station Forcemain		0	1,143	0	0	0	1,143	1,864	0	3,007
DPW	48	Cliffton WWTP Improvements		93	2,108	0	0	0	2,201	5,321	0	7,522
DPW	49	MWWTP Primary Clarifiers #1-4 Demolition		0	0	0	190	1,900	2,090	0	0	2,090
PGM	50	Hughesville Collection Sewer System		0	2,139	2,139	0	0	4,278	842	0	5,120
DPW	51	MWWTP Septage Receiving Facility Improvements		471	581	0	0	0	1,052	127	0	1,179
DPW	52	Post Office Road Sewer Capacity Improvements		2,331	2,256	0	0	0	4,587	1,868	0	6,455
PGM	53	Sewer Pump Station Capacity Study		169	0	0	0	0	169	0	0	169
DPW	54	Piney Branch Interceptor Sewer Capacity Upgrades PHII		1,545	0	0	0	0	1,545	0	0	1,545
DPW	55	Cobb Island Septic Tank Effluent Pump (STEP) Station R		120	0	0	0	0	120	2,040	0	2,160
DPW	56	MWWTP Effluent Filters #7-#16		3,548	8,023	7,273	0	0	18,844	0	0	18,844
PGM	57	Southerland Septic Connection		873	0	0	0	0	873	586	0	1,459
DPW	58	MWWTP Reclaimed Water Filtration Facility		0	7,223	7,223	0	0	14,446	1,143	0	15,589
DPW	59	MWWTP Final Filter Disinfection System	*	674	1,023	0	0	0	1,697	0	0	1,697
DPW	60	MWWTP Reclaimed Water Pump Station Improvements	*	864	1,104	0	0	0	1,968	0	0	1,968
DPW	61	MWWTP Effluent PS Forcemain Surge Management System	*	406	1,120	0	0	0	1,526	0	0	1,526
DPW	62	MWWTP Belt Filter Press Replacement Phase II		4,478	4,103	0	0	0	8,581	9,305	0	17,886
DPW	63	MWWTP Administration Building Renovations	*	293	0	0	0	0	293	0	0	293
Total without inflation				\$38,958	\$77,294	\$53,860	\$23,623	\$24,280	\$218,015	\$114,324	\$59,359	\$391,698
Contingency-inflation				\$3,056	\$9,614	9,425	5,833	7,035	34,963	0	21,067	56,030
Total WATER & SEWER				\$42,014	\$86,908	\$63,285	\$29,456	\$31,315	\$252,978	\$114,324	\$80,426	\$447,728
Water				6,969	21,357	21,781	19,798	15,119	85,024	32,708	69,116	186,848
Sewer				35,045	65,551	41,504	9,658	16,196	167,954	81,616	11,310	260,880
Total WATER & SEWER				\$42,014	\$86,908	\$63,285	\$29,456	\$31,315	\$252,978	\$114,324	\$80,426	\$447,728

*New Projects to the 5 year CIP

^Additional funding for existing project

Capital Projects

Department:	Department of Public Works				30.25.32	
Division \ Program:	Utilities				Fund: Capital	
Expenditure Category	FY2019 Actual	FY2020 Adopted	FY2021 Request	FY2021 Proposed	\$ Change FY2019	% Chg.
Personal Services	(\$18,515)	\$207,100	\$564,000	\$619,000	\$411,900	198.9%
Fringe Benefits	39,208	62,600	166,800	183,200	120,600	192.7%
Operating Costs	0	4,300	872,300	879,200	874,900	20346.5%
Debt Service	6,298	6,300	6,300	10,700	4,400	69.8%
Operating Contingency	0	0	18,800	18,800	18,800	NEW
Transfers Out (charged to capital projects)	0	(280,300)	(1,628,200)	(1,710,900)	(1,430,600)	510.4%
Total Baseline	\$26,991	\$0	\$0	\$0	\$0	N/A
New Requests			82,700	0	0	N/A
Charged to capital projects			(82,700)	0	0	N/A
Total Expenditures	\$26,991	\$0	\$0	\$0	\$0	N/A

Changes and Useful Information:

- **Personal Services** includes positions that are being allocated based on time dedicated to the capital improvement projects. Funding increase includes funding for a new position and has been revised to reflect a re-organization that was approved in FY2019.
- **Operating Costs** have been amended to include funding for Contract Project Management services. This is a continuation of funding that was approved recently by the Commissioners for FY2020. Also, includes impact of the new Project Manager position.
- **Debt Service** includes an increase to bank finance a vehicle for the new position.
- **Operating Contingency** represents the equivalent cost of a potential employee salary increases for FY2021.

New Position Request

Position	FTE	Hire	Grade	Salary	Fringe	Operating	Total
Project Manager II	1.0	Sept	14	\$ 55,000	\$ 16,400	\$ 11,300	\$ 82,700

Project Manager II position is needed to manage projects within the Utilities CIP Program. There are currently four project management positions that handle over 50 active CIP projects within Utilities. This workload is more than the current positions can handle, thus requiring the need for additional staff.

Positions:

	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>
<u>Title</u>	<u>FTE</u>	<u>FTE</u>	<u>FTE</u>	<u>FTE</u>	<u>FTE</u>
Allocated from the Water and Sewer Fund	0.8	0.8	1.8	7.8	8.8
Total Full Time Equivalent	0.8	0.8	1.8	7.8	8.8

**CHARLES COUNTY COMMISSIONERS OF CHARLES COUNTY, MD
FISCAL YEAR 2021 REQUESTED CAPITAL PROJECT BUDGET
FY2021-FY2025 CAPITAL IMPROVEMENT PROGRAM**

Department

Page Ref, #

							5-Year Total '21-'25	Prior Approp. thru FY20	Beyond FY 2025	Project Total	
(\$ in thousands)							FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
ENTERPRISE FUND OPERATIONS											
WATER- User Fee											
Financing Sources											
Bonds							\$39,512	\$13,446	\$22,561	\$75,519	
Operating Transfer							394	467	54	915	
Total Funding							\$4,706	\$7,136	\$8,225	\$11,701	\$8,138
							\$39,906	\$13,913	\$22,615	\$76,434	
Capital Costs											
Automation & Technology Master Plan	50%	0	0	570	570	0	1,139	3,083	0	4,222	
Utilities Professional Development & Training Center	50% *	0	0	0	0	82	82	0	668	750	
South Region Operations & Maint. Facility	50% *	77	0	0	0	0	77	0	0	77	
Utilities Waldorf Regional Facility	50% *	0	0	0	0	207	207	0	2,869	3,076	
Underground Infrastructure Repairs		218	933	933	933	933	3,950	2,097	933	6,980	
Water Model Update	55%	54	54	54	54	54	270	466	54	789	
South County Water Transmission Main	95%	0	0	0	5,605	2,684	8,289	2,480	0	10,768	
Satellite Water Facility Upgrades		1,816	1,816	744	744	744	5,864	1,271	744	7,879	
Clifton Water System Improvements	50% ^	242	0	0	0	0	242	2,066	0	2,307	
Waldorf Tower No. 5 Rehabilitation	^	1,603	1,253	0	0	0	2,856	0	0	2,856	
Pinefield Water Tower Rehabilitation	^	0	0	733	0	0	733	1,655	0	2,388	
WSSC Waldorf Interconnection	25% ^	31	240	1,883	1,608	1,608	5,370	120	11,426	16,915	
Waldorf Fire House Water Tower Replacement	55% *	82	1,757	1,552	0	0	3,391	0	0	3,391	
Waldorf WURC Water Distribution	55% *	48	299	537	0	0	884	0	0	884	
Old Washington Road Watermain Extension	50%	194	0	0	0	0	194	676	0	870	
Total without inflation							\$4,364	\$6,351	\$7,006	\$9,514	\$6,311
Contingency-inflation							342	785	1,219	2,187	1,827
Total User Fee Projects							\$4,706	\$7,136	\$8,225	\$11,701	\$8,138
							\$39,906	\$13,913	\$22,615	\$76,434	
Projects to the 5 year CIP											
Additional funding for existing project											
WATER- Connection Fee											
Financing Sources											
Bonds							\$44,898	\$18,414	\$46,457	\$109,769	
Operating Transfer							220	381	44	645	
Total Funding							\$2,263	\$14,221	\$13,556	\$8,097	\$6,981
							\$45,118	\$18,795	\$46,501	\$110,414	
Capital Costs											
Water Model Update	45%	44	44	44	44	44	221	381	44	646	
South County Water Transmission Main	5%	0	0	0	295	141	436	131	0	567	
Gleneagles 2MG Water Tower		0	1,849	0	0	0	1,849	4,413	0	6,262	
Bryans Road 2MG Water Tower		0	3,494	0	0	0	3,494	2,350	0	5,844	
Hughesville Water Line		0	1,030	1,031	0	0	2,061	2,734	0	4,795	
Clifton Water System Improvements	50% ^	242	0	0	0	0	242	2,066	0	2,307	
Waldorf Well No. 17	^	797	797	0	0	0	1,594	1,818	0	3,412	
Bryans Village Waterline Interconnection	*	68	128	756	783	406	2,141	0	0	2,141	
Mill Hill Waterline Extension	*	211	166	0	0	0	377	0	0	377	
Strawberry Hills Waterline	*	153	638	791	0	0	1,582	0	0	1,582	
Marshall Hall Road Waterline Extension	*	74	470	220	0	0	764	0	0	764	
Middletown Rd-Bensville Rd Waterline Interconnection	*	118	1,639	1,338	640	0	3,735	3,868	0	7,603	
WSSC Waldorf Interconnection	75% ^	92	719	5,650	4,825	4,825	16,110	359	34,277	50,746	
Waldorf Fire House Water Tower Replacement	45% *	67	1,438	1,270	0	0	2,774	0	0	2,774	
Waldorf WURC Water Distribution	45% *	40	244	440	0	0	724	0	0	724	
Old Washington Road Watermain Extension	50%	194	0	0	0	0	194	676	0	870	
Total without inflation							\$2,099	\$12,656	\$11,540	\$6,587	\$5,416
Contingency-inflation							164	1,565	2,016	1,510	1,565
Total Connection Fee Projects							\$2,263	\$14,221	\$13,556	\$8,097	\$6,981
							\$45,118	\$18,795	\$46,501	\$110,414	
TOTAL WATER							\$6,969	\$21,357	\$21,781	\$19,798	\$15,119
							\$85,024	\$32,708	\$69,116	\$186,848	

*New Projects to the 5 year CIP

^Additional funding for existing project

**CHARLES COUNTY COMMISSIONERS OF CHARLES COUNTY, MD
FISCAL YEAR 2021 REQUESTED CAPITAL PROJECT BUDGET
FY2021-FY2025 CAPITAL IMPROVEMENT PROGRAM**

Department

Page Ref, #

Department	Page Ref. #						5-Year	Prior				
		(\$ in thousands)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total	
		SEWER- User Fee										
		Financing Sources	% Allocation									
		Bonds		\$19,480	\$34,543	\$20,371	\$6,149	\$9,093	\$89,636	\$48,322	\$9,233	\$147,191
		Operating Transfer		141	57	119	119	57	493	580	57	1,130
		Total County Funding		\$19,621	\$34,600	\$20,490	\$6,268	\$9,150	\$90,129	\$48,902	\$9,290	\$148,321
		State		0	0	0	0	0	0	165	0	165
		Other: WSSC		1,544	3,231	1,920	229	795	7,719	3,693	0	11,412
		Total Funding		\$21,165	\$37,831	\$22,410	\$6,497	\$9,945	\$97,848	\$52,760	\$9,290	\$159,898
		Capital Costs										
DPW	13	Automation & Technology Master Plan	50%	0	0	570	570	0	1,139	3,083	0	4,222
DPW	14	Utilities Professional Dvlpmnt & Training Center	50% *	0	0	0	0	82	82	0	668	750
DPW	15	South Region Operations & Maint. Facility	50% *	77	0	0	0	0	77	0	0	77
DPW	16	Utilities Waldorf Regional Facility	50% *	0	0	0	0	207	207	0	2,869	3,076
DPW	37	MWWTP Electrical System Replacement	55%	1,291	1,310	0	0	0	2,601	3,102	0	5,702
DPW	38	MWWTP Flow Equalization	55%	270	6,621	5,060	1,075	3,057	16,082	8,182	0	24,264
DPW	39	Mattawoman Infiltration and Inflow	55%	2,186	1,764	1,764	1,764	1,764	9,241	4,604	1,764	15,609
DPW	40	Mattawoman WWTP Automation	55%	1,117	1,117	0	0	0	2,233	3,029	0	5,262
DPW	41	Pump Station Rehabs and Replacements		3,671	2,426	1,106	923	923	9,049	5,352	923	15,324
DPW	42	Satellite Wastewater Facility Upgrades		574	574	574	574	574	2,870	3,905	574	7,349
DPW	43	MWWTP Clarifier and Thickener Repairs	55%	1,799	1,828	1,828	0	0	5,454	3,719	0	9,173
DPW	44	MWWTP Utility Water System Eval. & Improv.	55%	51	431	0	0	0	482	1,469	0	1,951
PGM	45	Sewer Model Update	55%	57	57	57	57	57	283	516	57	856
PGM	46	Zekiah Pump Station Upgrade	23%	0	138	138	0	0	275	326	0	601
PGM	47	Zekiah Pump Station Forcemain	23%	0	263	0	0	0	263	429	0	692
DPW	48	Cliffton WWTP Improvements		93	2,108	0	0	0	2,201	5,321	0	7,522
DPW	49	MWWTP Primary Clarifiers #1-4 Demolition	55%	0	0	0	105	1,045	1,150	0	0	1,150
DPW	51	MWWTP Septage Receiving Facility Improvements	55%	259	320	0	0	0	579	70	0	649
DPW	52	Post Office Road Sewer Capacity Improvements		2,331	2,256	0	0	0	4,587	1,868	0	6,455
PGM	53	Sewer Pump Station Capacity Study	50%	85	0	0	0	0	85	0	0	85
DPW	55	Cobb Island Septic Tank Effluent Pump (STEP) Station Rehabs		120	0	0	0	0	120	2,040	0	2,160
DPW	56	MWWTP Effluent Filters #7-#16	55%	1,951	4,413	4,000	0	0	10,364	0	0	10,364
DPW	58	MWWTP Reclaimed Water Filtration Facility	55%	0	3,973	3,973	0	0	7,945	629	0	8,574
DPW	59	MWWTP Final Filter Disinfection System	55% *	371	563	0	0	0	933	0	0	933
DPW	60	MWWTP Reclaimed Water Pump Station Impro	55% *	475	607	0	0	0	1,082	0	0	1,082
DPW	61	MWWTP Effluent PS Forcemain Surge Mgmt	55% *	223	616	0	0	0	839	0	0	839
DPW	62	MWWTP Belt Filter Press Replacement Phase I	55%	2,463	2,257	0	0	0	4,720	5,118	0	9,838
DPW	63	MWWTP Administration Building Renovations	55% *	161	0	0	0	0	161	0	0	161
		Total without inflation		\$19,623	\$33,638	\$19,068	\$5,067	\$7,708	\$85,104	\$52,760	\$6,855	\$144,719
		Contingency-inflation		1,542	4,193	3,342	1,430	2,237	12,744		2,435	15,179
		Total User Fee Projects		\$21,165	\$37,831	\$22,410	\$6,497	\$9,945	\$97,848	\$52,760	\$9,290	\$159,898
*New Projects to the CIP												
^Additional funding for existing project												

**CHARLES COUNTY COMMISSIONERS OF CHARLES COUNTY, MD
FISCAL YEAR 2021 REQUESTED CAPITAL PROJECT BUDGET
FY2021-FY2025 CAPITAL IMPROVEMENT PROGRAM**

Department

Page Ref, #

							5-Year Total	Prior Approp. thru FY20	Beyond FY 2025	Project Total
(\$ in thousands)		FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	'21-'25			
SEWER- Connection Fee										
Financing Sources										
	% Allocation									
Bonds		\$12,032	\$25,030	\$17,477	\$2,927	\$5,554	\$63,020	\$25,226	\$1,974	\$90,220
Fund Balance Appropriation		0	0	0	0	0	0	0	0	0
Operating Transfer		131	46	46	46	46	315	474	46	835
Total County Funding		\$12,163	\$25,076	\$17,523	\$2,973	\$5,600	\$63,335	\$25,700	\$2,020	\$91,055
State		453	0	0	0	0	453	135	0	588
Other: WSSC		1,264	2,644	1,571	188	651	6,318	3,021	0	9,339
Total Funding		\$13,880	\$27,720	\$19,094	\$3,161	\$6,251	\$70,106	\$28,856	\$2,020	\$100,982
Capital Costs										
MWWTP Electrical System Replacement	45%	1,057	1,071	0	0	0	2,128	2,538	0	4,666
MWWTP Flow Equalization	45%	221	5,417	4,140	880	2,501	13,158	6,694	0	19,852
Mattawoman Infiltration and Inflow	45%	1,788	1,443	1,443	1,443	1,443	7,561	3,767	1,443	12,771
Mattawoman WWTP Automation	45%	914	914	0	0	0	1,827	2,479	0	4,306
MWWTP Clarifier and Thickener Repairs	45%	1,472	1,495	1,495	0	0	4,462	3,043	0	7,505
MWWTP Utility Water System Eval. & Improv.	45%	42	353	0	0	0	395	1,202	0	1,596
Sewer Model Update	45%	46	46	46	46	46	232	422	46	701
Zekiah Pump Station Upgrade	77%	0	461	461	0	0	921	1,091	0	2,012
Zekiah Pump Station Forcemain	77%	0	880	0	0	0	880	1,435	0	2,315
MWWTP Primary Clarifiers #1-4 Demolition	45%	0	0	0	86	855	941	0	0	941
Hughesville Collection Sewer System		0	2,139	2,139	0	0	4,278	842	0	5,120
MWWTP Septage Receiving Facility Improvements	45%	212	261	0	0	0	473	57	0	531
Sewer Pump Station Capacity Study	50%	85	0	0	0	0	85	0	0	85
Piney Branch Interceptor Sewer Capacity Upgrades - Phase II		1,545	0	0	0	0	1,545	0	0	1,545
MWWTP Effluent Filters #7-#16	45% *	1,597	3,610	3,273	0	0	8,480	0	0	8,480
Southerland Septic Connection	*	873	0	0	0	0	873	586	0	1,459
MWWTP Reclaimed Water Filtration Facility	45% *	0	3,250	3,250	0	0	6,501	514	0	7,015
MWWTP Final Filter Disinfection System	45% *	303	460	0	0	0	764	0	0	764
MWWTP Reclaimed Water Pump Station Improvements	45% *	389	497	0	0	0	886	0	0	886
MWWTP Effluent PS Forcemain Surge Management System	45% *	183	504	0	0	0	687	0	0	687
MWWTP Belt Filter Press Replacement Phase II	45%	2,015	1,846	0	0	0	3,861	4,187	0	8,049
MWWTP Administration Building Renovations	45% *	132	0	0	0	0	132	0	0	132
Total without inflation		\$12,872	\$24,649	\$16,247	\$2,455	\$4,846	\$61,069	\$28,856	\$1,490	\$91,415
Contingency-inflation		1,008	3,071	2,847	706	1,405	9,037		530	9,567
Total Connection Fee Projects		\$13,880	\$27,720	\$19,094	\$3,161	\$6,251	\$70,106	\$28,856	\$2,020	\$100,982
TOTAL SEWER		\$35,045	\$65,551	\$41,504	\$9,658	\$16,196	\$167,954	\$81,616	\$11,310	\$260,880

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Automation & Technology Master Plan	Water User 50.0% Water Connection Sewer User 50.0% Sewer Connection	Requested By: DPW Project #: 6140			
This project is the result of an extensive study to determine the Information Technology needs of the Utilities Division in order to bring it into the 21st century. The project includes emphasis on Supervisor, Control, and Data Acquisition (SCADA), regulatory compliance, data management, work management, and performance management, among other issues. The ultimate goal of this project is for the Department of Public Works - Utilities to accomplish its functions even in periods of growth without adding field staff and to make more efficient use of the resources currently available.					
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
Approved FY20-FY24 CIP	FY 2021 \$2,008	FY 2022 \$2,008	FY 2023 \$0	FY 2024 \$0	TOTAL \$4,016
Increase/(Decrease)	(\$2,008)	(\$2,008)	\$1,139	\$1,139	(\$1,738)
% change	-100.0%	-100.0%	new	new	-43.3%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$73	\$73	\$0	\$146	\$2,369	\$0	\$2,515
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	725	725	0	1,450	2,998	0	4,448
Equipment	0	0	125	125	0	250	245	0	495
Administration	0	0	15	15	0	30	138	0	168
Administration - FAS	0	0	3	3	0	6	0	0	6
Inspection	0	0	125	125	0	250	252	0	502
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	73	73	0	146	164	0	310
Total Outlay	\$0	\$0	\$1,139	\$1,139	\$0	\$2,278	\$6,166	\$0	\$8,444

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (10 Year)	\$0	\$0	\$1,014	\$1,014	\$0	\$2,028	\$6,166	\$0	\$8,194
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	125	125	0	250	0	0	250
Total County Funding	\$0	\$0	\$1,139	\$1,139	\$0	\$2,278	\$6,166	\$0	\$8,444
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$0	\$1,139	\$1,139	\$0	\$2,278	\$6,166	\$0	\$8,444

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	744.0	744.0	744.0	873.1	1,002.3	744.0	1,002.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$744.0	\$744.0	\$744.0	\$873.1	\$1,002.3	\$744.0	\$1,002.3
Increase to Water User Fee:	15.9¢	15.7¢	18.1¢	18.0¢	17.9¢	16.3¢	20.2¢
Increase to Sewer User Fee:	16.3¢	16.3¢	19.1¢	19.1¢	19.2¢	16.6¢	21.9¢
Combined Fee Increase:	32.3¢	32.1¢	37.2¢	37.1¢	37.1¢	32.9¢	42.1¢

LOCATION:
County-wide

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Utilities Professional Development & Training Center	Water User 50.0% Water Connection 0.0% Sewer User 50.0% Sewer Connection 0.0%	Requested By: DPW Project #:			
This project will construct a building for training, meetings, SCADA/Instrumentation lab, and computer lab. This facility is needed to provide on-going training needed to stay abreast of leading industry technology, techniques, and methods that are currently being implemented.					
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	n/a	n/a	n/a	n/a	new

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$125	\$125	\$0	\$85	\$210
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	875	875
Equipment	0	0	0	0	0	0	0	125	125
Administration	0	0	0	0	35	35	0	35	70
Administration - FAS	0	0	0	0	3	3	0	3	6
Inspection	0	0	0	0	0	0	0	125	125
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	88	88
Total Outlay	\$0	\$0	\$0	\$0	\$163	\$163	\$0	\$1,336	\$1,499

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$0	\$0	\$0	\$0	\$163	\$163	\$0	\$1,336	\$1,499
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	\$0	\$0	\$0	\$0	\$163	\$163	\$0	\$1,336	\$1,499
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$0	\$0	\$0	\$163	\$163	\$0	\$1,336	\$1,499

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	50.7
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$50.7
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	141.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$192.3
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	4.9¢
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	5.3¢
Combined Fee Increase:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	10.2¢

LOCATION:
Mattawoman Plant

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: South Region Operations & Maintenance Facility	Water User 50.0% Water Connection 0.0% Sewer User 50.0% Sewer Connection 0.0%	Requested By: DPW Project #:																				
This project includes renovations to a currently unused portion of the Bel Alton School/Jude House facility for the South Region Operations and Maintenance staff that is closely located to the sites that they operate and maintain. The current location has inadequate parking, storage, meeting space, and work space for assigned personnel.																						
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)																						
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:																						
Approved FY20-FY24 CIP Increase/(Decrease) % change	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 12.5%;">FY 2021</th> <th style="width: 12.5%;">FY 2022</th> <th style="width: 12.5%;">FY 2023</th> <th style="width: 12.5%;">FY 2024</th> <th style="width: 12.5%;">TOTAL</th> </tr> <tr> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> </tr> <tr> <td>\$153</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$153</td> </tr> <tr> <td><i>new</i></td> <td><i>n/a</i></td> <td><i>n/a</i></td> <td><i>n/a</i></td> <td><i>new</i></td> </tr> </table>	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	\$0	\$0	\$0	\$0	\$0	\$153	\$0	\$0	\$0	\$153	<i>new</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>new</i>	<i>To provide adequate parking, storage, meeting space, and work space.</i>
FY 2021	FY 2022	FY 2023	FY 2024	TOTAL																		
\$0	\$0	\$0	\$0	\$0																		
\$153	\$0	\$0	\$0	\$153																		
<i>new</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>new</i>																		

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$15	\$0	\$0	\$0	\$0	\$15	\$0	\$0	\$15
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	75	0	0	0	0	75	0	0	75
Equipment	15	0	0	0	0	15	0	0	15
Administration	12	0	0	0	0	12	0	0	12
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	25	0	0	0	0	25	0	0	25
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	8	0	0	0	0	8	0	0	8
Total Outlay	\$153	\$0	\$0	\$0	\$0	\$153	\$0	\$0	\$153

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$153	\$0	\$0	\$0	\$0	\$153	\$0	\$0	\$153
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	\$153	\$0	\$0	\$0	\$0	\$153	\$0	\$0	\$153
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$153	\$0	\$0	\$0	\$0	\$153	\$0	\$0	\$153

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	33.9	64.0	0.0	30.0
Total Operating	\$0.0	\$0.0	\$0.0	\$33.9	\$64.0	\$0.0	\$30.0
Debt Service: Bonds	0.0	14.3	14.3	14.3	14.3	0.0	14.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$14.3	\$14.3	\$48.2	\$78.3	\$0.0	\$44.3
Increase to Water User Fee:	0.0¢	0.3¢	0.3¢	1.0¢	1.6¢	0.0¢	1.5¢
Increase to Sewer User Fee:	0.0¢	0.3¢	0.3¢	1.1¢	1.7¢	0.0¢	1.6¢
Combined Fee Increase:	0.0¢	0.6¢	0.6¢	2.1¢	3.3¢	0.0¢	3.1¢

LOCATION:
TBD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Utilities Waldorf Regional Facility	Water User 50.0% Water Connection 0.0% Sewer User 50.0% Sewer Connection 0.0%	Requested By: DPW Project #:			
This project will construct a facility on County owned property for Utilities staff that serve the Waldorf area. Facility includes office space, parking area, and equipment storage/maintenance area. The Waldorf area has the largest water/sewer customer base in the County.					
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
Approved FY20-FY24 CIP Increase/(Decrease) % change	FY 2021 \$0 \$0 n/a	FY 2022 \$0 \$0 n/a	FY 2023 \$0 \$0 n/a	FY 2024 \$0 \$0 n/a	TOTAL \$0 \$0 new

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$375	\$375	\$0	\$175	\$550
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	4,750	4,750
Equipment	0	0	0	0	0	0	0	125	125
Administration	0	0	0	0	35	35	0	35	70
Administration - FAS	0	0	0	0	3	3	0	3	6
Inspection	0	0	0	0	0	0	0	175	175
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	475	475
Total Outlay	\$0	\$0	\$0	\$0	\$413	\$413	\$0	\$5,738	\$6,151

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$0	\$0	\$0	\$0	\$413	\$413	\$0	\$5,738	\$6,151
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	\$0	\$0	\$0	\$0	\$413	\$413	\$0	\$5,738	\$6,151
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$0	\$0	\$0	\$413	\$413	\$0	\$5,738	\$6,151

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	35.3
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$35.3
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	581.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$616.3
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	13.1¢
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	14.3¢
Combined Fee Increase:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	27.4¢

LOCATION: Waldorf, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Underground Infrastructure Repairs	Water User 100% Water Connection 0%	Requested By: DPW Project #: 6105				
<p>To provide necessary repairs/replacements to various water systems that include, but are not limited to the following: Excavate and replace corroded bonnet bolts on underground valves in Lexington, Wexford, and other areas of the County. The bolts are only 11 years old but have already begun to fail because stainless steel was not used in the original construction. Also need to excavate and replace corroded steel service saddles in Pinefield which are approaching 40 years of service life. These have begun to fail and repairing them only as breaks occur results in unscheduled outages, unplanned emergency repair work involving larger excavations, and more extensive restoration, all of which are far more costly. This project also includes replacement of portions of aging water systems in Strawberry Hills (Boxwood Circle) and other areas of the County.</p>						
<p>Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)</p>						
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:						
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Approved FY20-FY24 CIP	\$718	\$718	\$718	\$718	\$2,872	<i>Schedule change due to timing of procurement for next phase of work. Increase due to addition of contract project management and inspection.</i>
Increase/(Decrease)	(\$500)	\$215	\$215	\$215	\$145	
% change	-69.6%	29.9%	29.9%	29.9%	5.0%	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$45	\$45	\$45	\$45	\$45	\$225	\$0	\$45	\$270
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	650	650	650	650	2,600	1,840	650	5,090
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	45	45	45	225	6	45	276
Administration - FAS	3	3	3	3	3	15	5	3	23
Inspection	125	125	125	125	125	625	0	125	750
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	65	65	65	65	260	245	65	570
Total Outlay	\$218	\$933	\$933	\$933	\$933	\$3,950	\$2,097	\$933	\$6,980

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$218	\$933	\$933	\$933	\$933	\$3,950	\$2,097	\$933	\$6,980
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	\$218	\$933	\$933	\$933	\$933	\$3,950	\$2,097	\$933	\$6,980
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	\$218	\$933	\$933	\$933	\$933	\$3,950	\$2,097	\$933	\$6,980

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	182.9	203.3	290.8	378.7	466.5	182.9	642.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$182.9	\$203.3	\$290.8	\$378.7	\$466.5	\$182.9	\$642.7
Increase to Water User Fee:	7.8¢	8.6¢	12.1¢	15.6¢	19.0¢	8.0¢	25.9¢

LOCATION: Development District
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REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Water Model Update	Water User 55% Water Connection 45%	Requested By: PGM Project #: 6090			
To update the current County Water Model by including newly installed water utilities and verifying the system stability and deficiencies. The County anticipates having to make changes to our traditional operations of our water system, due to concerns with water supply in certain geographic areas.					
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$98	\$98	\$98	\$98	\$392
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$27	\$27	\$27	\$27	\$27	\$135	\$405	\$27	\$567
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	2	0	2
Administration	65	65	65	65	65	325	384	65	774
Administration - FAS	3	3	3	3	3	15	12	3	30
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	3	3	3	3	3	15	45	3	63
Total Outlay	\$98	\$98	\$98	\$98	\$98	\$490	\$847	\$98	\$1,435

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	98	98	98	98	98	490	847	98	1,435
Total County Funding	\$98	\$98	\$98	\$98	\$98	\$490	\$847	\$98	\$1,435
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	\$98	\$98	\$98	\$98	\$98	\$490	\$847	\$98	\$1,435

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	2.4¢	0.0¢

LOCATION:
County-wide

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: South County Water Transmission Main	Water User 95% Water Connection 5%	Requested By: DPW Project #: 6101			
Interconnection of the Waldorf Water System with satellite water systems in the southern region of the County to continue to provide a healthy, sustainable water supply. This project will also help control rising costs associated with operating and maintaining multiple small satellite community water systems once the interconnection is completed.					
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$5,900	\$5,900
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	n/a	n/a	n/a	0.0%	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$475	\$224	\$699	\$885	\$0	\$1,584
Land & ROW	0	0	0	0	0	0	125	0	125
Construction	0	0	0	4,745	2,240	6,985	1,325	0	8,310
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	0	12	12	24	32	0	56
Administration - FAS	0	0	0	3	3	6	15	0	21
Inspection	0	0	0	190	122	312	95	0	407
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	475	224	699	133	0	832
Total Outlay	\$0	\$0	\$0	\$5,900	\$2,825	\$8,725	\$2,610	\$0	\$11,335

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$0	\$0	\$0	\$5,900	\$2,825	\$8,725	\$2,610	\$0	\$11,335
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	\$0	\$0	\$0	\$5,900	\$2,825	\$8,725	\$2,610	\$0	\$11,335
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	\$0	\$0	\$0	\$5,900	\$2,825	\$8,725	\$2,610	\$0	\$11,335

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	-444.1
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	-\$444.1
Debt Service: Bonds	227.7	227.7	227.7	227.7	783.1	227.7	1,049.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$227.7	\$227.7	\$227.7	\$227.7	\$783.1	\$227.7	\$605.8
 Increase to Water User Fee:	 9.3¢	 9.1¢	 9.0¢	 8.9¢	 30.3¢	 9.5¢	 22.3¢

LOCATION: Southern portion of the County
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REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Satellite Water Facility Upgrades	Water User 100% Water Connection 0%	Requested By: DPW Project #: 6093					
To provide necessary upgrades to various satellite water facilities that include, but are not limited to the following: Install generator with automatic transfer switch for power distribution system reliability at the following sites: Swan Point, Bel Alton, Spring Valley, Beantown Woodley, Newtown Village, Mariellen, Ellenwood, St. Anne's, electrical/mechanical equipment replacement at Swan Pt. Wells #1 & #2, Newtown Village, Jude House Reverse Osmosis system, coating replacement at Chapel Pt. Woods standpipe, Jude House Well Replacement, installation of additional standpipe at Chapel Pt. Woods, improvements at St. Paul's Well, Oakwood Well, Spring Valley Well, Avon Crest, and Beantown Woodley Well, and abandonment of various well sites.							
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)							
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:							
	FY 2021 Approved FY20-FY24 CIP Increase/(Decrease) % change	FY 2022 \$1,783 \$33 1.9%	FY 2023 \$1,783 \$33 1.9%	FY 2024 \$711 \$33 4.6%	FY 2025 \$711 \$33 4.6%	TOTAL \$4,988 \$132 2.6%	<i>Increase due to addition of contract project management.</i>

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$125	\$125	\$125	\$125	\$125	\$625	\$555	\$125	\$1,305
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	1,450	1,450	475	475	475	4,325	81	475	4,881
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	45	45	45	225	49	45	319
Administration - FAS	3	3	3	3	3	15	8	3	26
Inspection	48	48	48	48	48	240	295	48	583
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	145	145	48	48	48	434	283	48	765
Total Outlay	\$1,816	\$1,816	\$744	\$744	\$744	\$5,864	\$1,271	\$744	\$7,879

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$1,816	\$1,816	\$744	\$744	\$744	\$5,864	\$1,271	\$744	\$7,879
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	\$1,816	\$1,816	\$744	\$744	\$744	\$5,864	\$1,271	\$744	\$7,879
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	\$1,816	\$1,816	\$744	\$744	\$744	\$5,864	\$1,271	\$744	\$7,879

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	110.9	280.7	451.0	521.1	591.1	110.9	731.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$110.9	\$280.7	\$451.0	\$521.1	\$591.1	\$110.9	\$731.6
Increase to Water User Fee:	4.8¢	11.9¢	18.8¢	21.5¢	24.1¢	4.9¢	29.4¢

LOCATION: Various locations, see description above
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REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Gleneagles 2MG Water Tower	Water User 0% Water Connection 100%	Requested By: PGM Project #: 6109			
Additional fire storage volume and another tank is needed to equalize pressure in the water distribution system along Rosewick Road. Residents are experiencing low water pressure. This project is for the acquisition of a tower site, design, and construction.					
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$1,849	\$0	\$0	\$0	\$1,849
Increase/(Decrease)	(\$1,849)	\$1,849	\$0	\$0	\$0
% change	-100.0%	new	n/a	n/a	0.0%

Based on revised timelines, project is being pushed back.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$500
Land & ROW	0	0	0	0	0	0	150	0	150
Construction	0	1,666	0	0	0	1,666	3,334	0	5,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	60	0	0	0	60	173	0	233
Administration - FAS	0	3	0	0	0	3	6	0	9
Inspection	0	30	0	0	0	30	60	0	90
Miscellaneous	0	0	0	0	0	0	10	0	10
Contingency	0	90	0	0	0	90	180	0	270
Total Outlay	\$0	\$1,849	\$0	\$0	\$0	\$1,849	\$4,413	\$0	\$6,262

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$0	\$1,849	\$0	\$0	\$0	\$1,849	\$4,413	\$0	\$6,262
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	\$0	\$1,849	\$0	\$0	\$0	\$1,849	\$4,413	\$0	\$6,262
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	\$0	\$1,849	\$0	\$0	\$0	\$1,849	\$4,413	\$0	\$6,262

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	385.1	385.1	558.5	558.5	558.5	385.1	558.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$385.1	\$385.1	\$558.5	\$558.5	\$558.5	\$385.1	\$558.5
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION: St. Charles, Rosewick Road (proposed location)
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REQUESTED CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2021
(\$ in thousands)

PROJECT NAME: Bryans Road 2MG Water Tower	Water User 0% Water Connection 100%	Requested By: DPW Project #: 6129
The Bryans Road has only a single tower providing system pressure and fire storage to the area's water system. An additional storage tower is needed to provide redundancy to the public water system. This project will provide the design and construction of a two (2) million gallon elevated water tower.		
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)		
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:		
<i>Based on revised timelines, this project is being pushed back.</i>		
	FY 2021 FY 2022 FY 2023 FY 2024	TOTAL
Approved FY20-FY24 CIP	\$3,494 \$0 \$0 \$0	\$3,494
Increase/(Decrease)	(\$3,494) \$3,494 \$0 \$0	\$0
% change	-100.0% new n/a n/a	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$300	\$0	\$300
Land & ROW	0	0	0	0	0	0	7	0	7
Construction	0	2,925	0	0	0	2,925	1,675	0	4,600
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	150	0	0	0	150	110	0	260
Administration - FAS	0	3	0	0	0	3	6	0	9
Inspection	0	90	0	0	0	90	50	0	140
Miscellaneous	0	31	0	0	0	31	17	0	48
Contingency	0	295	0	0	0	295	185	0	480
Total Outlay	\$0	\$3,494	\$0	\$0	\$0	\$3,494	\$2,350	\$0	\$5,844

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$0	\$3,494	\$0	\$0	\$0	\$3,494	\$2,350	\$0	\$5,844
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	\$0	\$3,494	\$0	\$0	\$0	\$3,494	\$2,350	\$0	\$5,844
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	\$0	\$3,494	\$0	\$0	\$0	\$3,494	\$2,350	\$0	\$5,844

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	205.1	205.1	532.8	532.8	532.8	205.1	532.8
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$205.1	\$205.1	\$532.8	\$532.8	\$532.8	\$205.1	\$532.8
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION: Md. Route 224 at Bumpy Oak Road

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Hughesville Water Line	Water User 0% Water Connection 100%	Requested By: PGM Project #: 6114			
Design and construct a water system to serve the Village of Hughesville, including approximately 9,000 linear feet of water mains and distribution lines, elevated storage facilities, and water supply wells. This includes design, permitting, land acquisition for these facilities, and construction.					
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)					
PRIORITY					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$2,061	\$0	\$0	\$0	\$2,061
Increase/(Decrease)	(\$2,061)	\$1,030	\$1,031	\$0	\$0
% change	-100.0%	new	new	n/a	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$35	\$35	\$0	\$0	\$70	\$330	\$0	\$400
Land & ROW	0	0	0	0	0	0	270	0	270
Construction	0	815	815	0	0	1,630	1,700	0	3,330
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	64	64	0	0	128	155	0	283
Administration - FAS	0	2	1	0	0	3	9	0	12
Inspection	0	21	22	0	0	43	43	0	86
Miscellaneous	0	8	9	0	0	17	34	0	51
Contingency	0	85	85	0	0	170	193	0	363
Total Outlay	\$0	\$1,030	\$1,031	\$0	\$0	\$2,061	\$2,734	\$0	\$4,795

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$0	\$1,030	\$1,031	\$0	\$0	\$2,061	\$2,734	\$0	\$4,795
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	\$0	\$1,030	\$1,031	\$0	\$0	\$2,061	\$2,734	\$0	\$4,795
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	\$0	\$1,030	\$1,031	\$0	\$0	\$2,061	\$2,734	\$0	\$4,795

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	238.6	238.6	335.2	432.2	432.2	238.6	432.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$238.6	\$238.6	\$335.2	\$432.2	\$432.2	\$238.6	\$432.2
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Leonardtown Road, Hughesville

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Clifton Water System Improvements <p>The water system at Clifton requires improvements to solve pressure and capacity issues for not only the existing connections, but also to further support the building of the remaining 200 lots of record within the development. Additional storage will be needed and the existing piping system will have to be evaluated for sufficiency and reliability. A 250,000 gallon elevated storage tank will be installed along with the necessary tie-in piping and system interconnections.</p> <p>Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)</p>	<table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Water User</td> <td style="text-align: left;">50%</td> <td style="text-align: right;">Requested By:</td> <td style="text-align: left;">DPW</td> </tr> <tr> <td style="text-align: right;">Water Connection</td> <td style="text-align: left;">50%</td> <td style="text-align: right;">Project #:</td> <td style="text-align: left;">6069</td> </tr> </table>	Water User	50%	Requested By:	DPW	Water Connection	50%	Project #:	6069
Water User	50%	Requested By:	DPW						
Water Connection	50%	Project #:	6069						

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:

	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0	Based on preliminary estimated tower construction costs, the budget increase is needed to cover the construction cost for the water line extension portion of the project.
Increase/(Decrease)	\$483	\$0	\$0	\$0	\$483	
% change	new	n/a	n/a	n/a	new	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$505	\$0	\$505
Land & ROW	0	0	0	0	0	0	82	0	82
Construction	411	0	0	0	0	411	2,825	0	3,236
Equipment	0	0	0	0	0	0	0	0	0
Administration	25	0	0	0	0	25	217	0	242
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	0	0	0	0	0	0	192	0	192
Miscellaneous	4	0	0	0	0	4	28	0	32
Contingency	40	0	0	0	0	40	283	0	323
Total Outlay	\$483	\$0	\$0	\$0	\$0	\$483	\$4,132	\$0	\$4,615

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$483	\$0	\$0	\$0	\$0	\$483	\$4,132	\$0	\$4,615
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	\$483	\$0	\$0	\$0	\$0	\$483	\$4,132	\$0	\$4,615
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	\$483	\$0	\$0	\$0	\$0	\$483	\$4,132	\$0	\$4,615

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	360.5	405.7	405.7	405.7	405.7	360.5	405.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$360.5	\$405.7	\$405.7	\$405.7	\$405.7	\$360.5	\$405.7
 Increase to Water User Fee:	 7.7¢	 8.6¢	 8.5¢	 8.4¢	 8.3¢	 7.9¢	 8.2¢

LOCATION:	
Clifton	

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Waldorf Well No. 17 Provide a new production well to the Waldorf Water System to improve the quality and quantity of the existing supply. The well production is estimated to be 500,000 gallons per day (350 gallons per minute) and will be drilled into and withdraw from the Patuxent Aquifer. Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1) PRIORITY VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Water User</td> <td style="text-align: center;">0%</td> <td style="text-align: right;">Requested By:</td> <td style="text-align: left;">DPW</td> </tr> <tr> <td style="text-align: right;">Water Connection</td> <td style="text-align: center;">100%</td> <td style="text-align: right;">Project #:</td> <td style="text-align: left;">6075</td> </tr> </table>	Water User	0%	Requested By:	DPW	Water Connection	100%	Project #:	6075
Water User	0%	Requested By:	DPW						
Water Connection	100%	Project #:	6075						

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$34	\$33	\$0	\$0	\$0	\$67	\$127	\$0	\$194
Land & ROW	10	10	0	0	0	20	52	0	72
Construction	656	657	0	0	0	1,313	1,274	0	2,587
Equipment	0	0	0	0	0	0	0	0	0
Administration	42	42	0	0	0	84	45	0	129
Administration - FAS	2	1	0	0	0	3	0	0	3
Inspection	0	0	0	0	0	0	127	0	127
Miscellaneous	0	0	0	0	0	0	41	0	41
Contingency	53	54	0	0	0	107	152	0	259
Total Outlay	\$797	\$797	\$0	\$0	\$0	\$1,594	\$1,818	\$0	\$3,412

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$797	\$797	\$0	\$0	\$0	\$1,594	\$1,818	\$0	\$3,412
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	\$797	\$797	\$0	\$0	\$0	\$1,594	\$1,818	\$0	\$3,412
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	\$797	\$797	\$0	\$0	\$0	\$1,594	\$1,818	\$0	\$3,412

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	158.6	233.1	307.9	307.9	307.9	158.6	307.9
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$158.6	\$233.1	\$307.9	\$307.9	\$307.9	\$158.6	\$307.9
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:	
Waldorf, MD	

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Waldorf Tower No. 5 Rehabilitation Based on recommendations from a Spring 2019 conditional assessment, perform interior and exterior recoating and miscellaneous repairs to the 2 million gallon water tower known as Waldorf Tower No. 5 (McDaniel Road). Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Water User</td> <td style="text-align: center;">100%</td> <td style="text-align: right;">Requested By:</td> <td style="text-align: center;">DPW</td> </tr> <tr> <td style="text-align: right;">Water Connection</td> <td style="text-align: center;">0%</td> <td style="text-align: right;">Project #:</td> <td></td> </tr> </table>	Water User	100%	Requested By:	DPW	Water Connection	0%	Project #:	
Water User	100%	Requested By:	DPW						
Water Connection	0%	Project #:							

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$1,603	\$1,253	\$0	\$0	\$2,856
% change	new	new	n/a	n/a	new

Submitted based on recommendations from a Spring 2019 conditional assessment.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$100	\$0	\$0	\$0	\$0	\$100	\$0	\$0	\$100
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	1,250	1,000	0	0	0	2,250	0	0	2,250
Equipment	0	0	0	0	0	0	0	0	0
Administration	75	75	0	0	0	150	0	0	150
Administration - FAS	3	3	0	0	0	6	0	0	6
Inspection	65	65	0	0	0	130	0	0	130
Miscellaneous	10	10	0	0	0	20	0	0	20
Contingency	100	100	0	0	0	200	0	0	200
Total Outlay	\$1,603	\$1,253	\$0	\$0	\$0	\$2,856	\$0	\$0	\$2,856

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$1,603	\$1,253	\$0	\$0	\$0	\$2,856	\$0	\$0	\$2,856
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	\$1,603	\$1,253	\$0	\$0	\$0	\$2,856	\$0	\$0	\$2,856
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	\$1,603	\$1,253	\$0	\$0	\$0	\$2,856	\$0	\$0	\$2,856

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	149.9	267.4	267.4	267.4	0.0	267.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$149.9	\$267.4	\$267.4	\$267.4	\$0.0	\$267.4

Increase to Water User Fee:	0.0¢	6.3¢	11.2¢	11.0¢	10.9¢	0.0¢	10.8¢
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LOCATION: Waldorf, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Pinefield Water Tower Rehabilitation The 1 million gallon Pinefield Water Tower is in need of rehabilitation. This project will include a preliminary assessment inspection and report, evaluation, recoating, and miscellaneous repairs.	Water User 100%	Water Connection 0%	Requested By: DPW Project #: 6118
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)			
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:			
FY 2021 FY 2022 FY 2023 FY 2024			
Approved FY20-FY24 CIP \$0 \$0 \$0 \$0			
Increase/(Decrease) \$0 \$0 \$733 \$0			
% change n/a n/a new n/a			
TOTAL \$0 Budget increased to match projected costs based on rehabilitation costs for the Smallwood Tower. \$733 new			

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$70	\$0	\$70
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	600	0	0	600	1,225	0	1,825
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	25	0	0	25	125	0	150
Administration - FAS	0	0	3	0	0	3	0	0	3
Inspection	0	0	20	0	0	20	80	0	100
Miscellaneous	0	0	0	0	0	0	30	0	30
Contingency	0	0	85	0	0	85	125	0	210
Total Outlay	\$0	\$0	\$733	\$0	\$0	\$733	\$1,655	\$0	\$2,388

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$0	\$0	\$733	\$0	\$0	\$733	\$1,655	\$0	\$2,388
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	\$0	\$0	\$733	\$0	\$0	\$733	\$1,655	\$0	\$2,388
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	\$0	\$0	\$733	\$0	\$0	\$733	\$1,655	\$0	\$2,388

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	144.4	144.4	144.4	213.4	213.4	144.4	213.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$144.4	\$144.4	\$144.4	\$213.4	\$213.4	\$144.4	\$213.4
Increase to Water User Fee:	6.2¢	6.1¢	6.0¢	8.8¢	8.7¢	6.3¢	8.6¢

LOCATION:
Pinefield

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME:	Water User	0%	Requested By:	PGM
Bryans Village Waterline Interconnection	Water Connection	100%	Project #:	
<p>The northern part of Bryans Road needs an additional water line for redundancy. The project includes the design and construction of an 8 inch water line interconnection between South Hampton Subdivision to connect Bryan's Village Subdivision (850'+/-) and Bryan's Village Subdivision to the Marshall Grove Subdivision (750'+/-).</p> <p>Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)</p>				
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:				
	FY 2021	FY 2022	FY 2023	FY 2024
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$68	\$128	\$756	\$783
% change	new	new	new	new
<p>TOTAL <i>New development (Bryans Village) to be built soon. New interconnection will provide the necessary water redundancy to the South Hampton subdivision and Marshall Grove subdivision.</i></p>				

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$30	\$50	\$40	\$20	\$10	\$150	\$0	\$0	\$150
Land & ROW	0	40	40	0	0	80	0	0	80
Construction	0	0	600	600	300	1,500	0	0	1,500
Equipment	0	0	0	0	0	0	0	0	0
Administration	35	35	20	20	19	129	0	0	129
Administration - FAS	3	3	3	3	3	15	0	0	15
Inspection	0	0	25	50	10	85	0	0	85
Miscellaneous	0	0	6	4	7	17	0	0	17
Contingency	0	0	22	86	57	165	0	0	165
Total Outlay	\$68	\$128	\$756	\$783	\$406	\$2,141	\$0	\$0	\$2,141

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$68	\$128	\$756	\$783	\$406	\$2,141	\$0	\$0	\$2,141
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	\$68	\$128	\$756	\$783	\$406	\$2,141	\$0	\$0	\$2,141
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	\$68	\$128	\$756	\$783	\$406	\$2,141	\$0	\$0	\$2,141

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	6.4	18.4	89.5	163.2	0.0	201.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$6.4	\$18.4	\$89.5	\$163.2	\$0.0	\$201.6
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Bryans Road

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Mill Hill Waterline Extension Design and construct an 8 inch DIP water main extension from Super Pl to the existing 8 inch line 600' north of Devonfield Ave to interconnect neighborhoods and increase water system reliability. (630')	Water User 0%	Water Connection 100%	Requested By: PGM Project #:			
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)						
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:						
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0	<i>New project is a result of updated water model. The connection will increase flow reliability for the entire area.</i>
Increase/(Decrease)	\$211	\$166	\$0	\$0	\$377	
% change	new	new	n/a	n/a	new	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$16	\$10	\$0	\$0	\$0	\$26	\$0	\$0	\$26
Land & ROW	20	0	0	0	0	20	0	0	20
Construction	150	105	0	0	0	255	0	0	255
Equipment	0	0	0	0	0	0	0	0	0
Administration	13	13	0	0	0	26	0	0	26
Administration - FAS	3	3	0	0	0	6	0	0	6
Inspection	7	6	0	0	0	13	0	0	13
Miscellaneous	2	1	0	0	0	3	0	0	3
Contingency	0	28	0	0	0	28	0	0	28
Total Outlay	\$211	\$166	\$0	\$0	\$0	\$377	\$0	\$0	\$377

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$211	\$166	\$0	\$0	\$0	\$377	\$0	\$0	\$377
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	\$211	\$166	\$0	\$0	\$0	\$377	\$0	\$0	\$377
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	\$211	\$166	\$0	\$0	\$0	\$377	\$0	\$0	\$377

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	19.7	35.3	35.3	35.3	0.0	35.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$19.7	\$35.3	\$35.3	\$35.3	\$0.0	\$35.3
 Increase to Water User Fee:	 0.0¢	 0.0¢	 0.0¢	 0.0¢	 0.0¢	 0.0¢	 0.0¢

LOCATION: Waldorf, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Strawberry Hills Waterline The Bryans Road water system needs redundancy for fire storage and adequate pressure. This project includes the design and construction of a new 16 inch DIP water main along Strawberry Hills Drive from Marshall Hall Rd to New Bryans Road Tower to be located on Parcel 0215 Grid 0012 map 0005. (2700'). Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Water User</td> <td style="text-align: center;">0%</td> <td style="text-align: right;">Requested By:</td> <td>PGM</td> </tr> <tr> <td style="text-align: right;">Water Connection</td> <td style="text-align: center;">100%</td> <td style="text-align: right;">Project #:</td> <td></td> </tr> </table>	Water User	0%	Requested By:	PGM	Water Connection	100%	Project #:	
Water User	0%	Requested By:	PGM						
Water Connection	100%	Project #:							

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$153	\$638	\$791	\$0	\$1,582
% change	new	new	new	n/a	

New project is a result of the updated water model. Waterline will provide a redundancy loop and provide flow to tower.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$65	\$43	\$0	\$0	\$0	\$108	\$0	\$0	\$108
Land & ROW	50	50	0	0	0	100	0	0	100
Construction	0	430	650	0	0	1,080	0	0	1,080
Equipment	0	0	0	0	0	0	0	0	0
Administration	35	35	30	0	0	100	0	0	100
Administration - FAS	3	3	3	0	0	9	0	0	9
Inspection	0	20	34	0	0	54	0	0	54
Miscellaneous	0	7	5	0	0	12	0	0	12
Contingency	0	50	69	0	0	119	0	0	119
Total Outlay	\$153	\$638	\$791	\$0	\$0	\$1,582	\$0	\$0	\$1,582

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$153	\$638	\$791	\$0	\$0	\$1,582	\$0	\$0	\$1,582
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	\$153	\$638	\$791	\$0	\$0	\$1,582	\$0	\$0	\$1,582
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	\$153	\$638	\$791	\$0	\$0	\$1,582	\$0	\$0	\$1,582

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	14.3	74.2	148.6	148.6	0.0	148.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$14.3	\$74.2	\$148.6	\$148.6	\$0.0	\$148.6
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Bryans Road

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Marshall Hall Road Waterline Extension In order to provide redundancy in the northern end of the Bryans Road water system a waterloop is needed along Marshall Hall Road. This includes the design and construction of a new 12" waterline from McCormick Dr. to the existing 12" line 300' south of Lantana Dr. (1800'). Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)	Water User Water Connection	0% 100%	Requested By: PGM Project #:
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VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:						<i>New project is the result of the updated water model. The extension will provide redundancy to water system.</i>
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0	
Increase/(Decrease)	\$74	\$470	\$220	\$0	\$764	
% change	new	new	new	n/a	new	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$32	\$15	\$7	\$0	\$0	\$54	\$0	\$0	\$54
Land & ROW	20	0	0	0	0	20	0	0	20
Construction	0	400	140	0	0	540	0	0	540
Equipment	0	0	0	0	0	0	0	0	0
Administration	19	15	15	0	0	49	0	0	49
Administration - FAS	3	3	3	0	0	9	0	0	9
Inspection	0	20	7	0	0	27	0	0	27
Miscellaneous	0	1	5	0	0	6	0	0	6
Contingency	0	16	43	0	0	59	0	0	59
Total Outlay	\$74	\$470	\$220	\$0	\$0	\$764	\$0	\$0	\$764

FINANCING SOURCES									
Bonds (15 Year)	\$74	\$470	\$220	\$0	\$0	\$764	\$0	\$0	\$764
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	\$74	\$470	\$220	\$0	\$0	\$764	\$0	\$0	\$764
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	\$74	\$470	\$220	\$0	\$0	\$764	\$0	\$0	\$764

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	6.9	51.0	71.7	71.7	0.0	71.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$6.9	\$51.0	\$71.7	\$71.7	\$0.0	\$71.7
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:
Marshall Hall

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Middletown Rd-Bensville Rd Waterline Interconnection	Water User 0% Water Connection 100%	Requested By: PGM Project #: 6141
Several communities in the Bensville area are served by a single water distribution main and this loop will provide the necessary redundancy to the Brookwood, Linden Grove, Brentwood, Kingview, and Highgrove neighborhoods. This project includes the design and construction of a new 16" Water Main loop to the Bensville Area from Middletown Rd, along the Cross County Connector Right of way to Highgrove Drive. (16,500')		
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)		
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:		
	FY 2021 \$0 FY 2022 \$0 FY 2023 \$0 FY 2024 \$0 TOTAL \$0	
Approved FY20-FY24 CIP Increase/(Decrease) % change	\$0 \$118 \$1,639 \$1,338 \$640 <i>new</i>	\$0 \$0 \$1,338 \$640 <i>new</i>
<i>To provide the necessary redundancy to Brookwood, Linden Grove, Brentwood, Kingview, and Highgrove neighborhoods.</i>		

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$185	\$30	\$0	\$0	\$215	\$335	\$0	\$550
Land & ROW	20	91	0	0	0	111	0	0	111
Construction	0	1,000	1,000	500	0	2,500	3,005	0	5,505
Equipment	0	0	0	0	0	0	0	0	0
Administration	95	100	150	120	0	465	0	0	465
Administration - FAS	3	3	3	3	0	12	0	0	12
Inspection	0	100	100	17	0	217	58	0	275
Miscellaneous	0	0	0	0	0	0	81	0	81
Contingency	0	160	55	0	0	215	390	0	605
Total Outlay	\$118	\$1,639	\$1,338	\$640	\$0	\$3,735	\$3,868	\$0	\$7,603

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$118	\$1,639	\$1,338	\$640	\$0	\$3,735	\$3,868	\$0	\$7,603
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	\$118	\$1,639	\$1,338	\$640	\$0	\$3,735	\$3,868	\$0	\$7,603
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	\$118	\$1,639	\$1,338	\$640	\$0	\$3,735	\$3,868	\$0	\$7,603

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	337.5	348.6	502.3	628.2	688.5	337.5	688.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$337.5	\$348.6	\$502.3	\$628.2	\$688.5	\$337.5	\$688.5
Increase to Water User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION: Bensville

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: WSSC Waldorf Interconnection Substantial water infrastructure upgrades are necessary to prepare the Waldorf water system for an additional interconnection to the WSSC water system along US 301 to Brandywine. This would include the design and construction. Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1) PRIORITY VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Water User</td> <td style="text-align: left;">25%</td> <td style="text-align: right;">Requested By:</td> <td style="text-align: left;">PGM</td> </tr> <tr> <td style="text-align: right;">Water Connection</td> <td style="text-align: left;">75%</td> <td style="text-align: right;">Project #:</td> <td style="text-align: left;">6121</td> </tr> </table> <p style="text-align: right; font-style: italic;">To prepare the Waldorf water system for additional interconnections to the WSSC water system.</p>	Water User	25%	Requested By:	PGM	Water Connection	75%	Project #:	6121
Water User	25%	Requested By:	PGM						
Water Connection	75%	Project #:	6121						

	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$123	\$958	\$7,533	\$6,433	\$15,047
% change	new	new	new	new	new

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$100	\$500	\$500	\$500	\$500	\$2,100	\$450	\$3,400	\$5,950
Land & ROW	0	100	100	100	100	400	0	600	1,000
Construction	0	0	6,000	5,000	5,000	16,000	0	34,000	50,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	20	100	375	375	375	1,245	22	2,550	3,817
Administration - FAS	3	3	3	3	3	15	6	18	39
Inspection	0	0	300	200	200	700	0	1,700	2,400
Miscellaneous	0	5	5	5	5	20	0	34	54
Contingency	0	250	250	250	250	1,000	0	3,400	4,400
Total Outlay	\$123	\$958	\$7,533	\$6,433	\$6,433	\$21,480	\$478	\$45,702	\$67,660

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$123	\$958	\$7,533	\$6,433	\$6,433	\$21,480	\$478	\$45,702	\$67,660
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	\$123	\$958	\$7,533	\$6,433	\$6,433	\$21,480	\$478	\$45,702	\$67,660
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	\$123	\$958	\$7,533	\$6,433	\$6,433	\$21,480	\$478	\$45,702	\$67,660

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	27.9	35.9	99.0	597.9	1,023.9	27.9	4,496.1
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$27.9	\$35.9	\$99.0	\$597.9	\$1,023.9	\$27.9	\$4,496.1

Increase to Water User Fee:	0.3¢	0.4¢	1.0¢	6.2¢	10.4¢	0.3¢	45.2¢
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LOCATION:	
Waldorf	

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Waldorf Fire House Water Tower Replacement Waldorf Urban Redevelopment Center area development will require an additional tower for fire storage volume and pressure in the system. The project is for the design and construction based on a new 2MG water tower.	Water User 55% Water Connection 45%	Requested By: PGM Project #:				
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)						
PRIORITY						
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:						
Approved FY20-FY24 CIP	FY 2021 \$0	FY 2022 \$0	FY 2023 \$0	FY 2024 \$0	TOTAL \$0	<i>The new tower will increase fire flow and pressure to the WURC development area. New tower will require a new location.</i>
Increase/(Decrease)	\$149	\$3,195	\$2,821	\$0	\$6,165	
% change	new	new	new	n/a	new	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$90	\$200	\$200	\$0	\$0	\$490	\$0	\$0	\$490
Land & ROW	0	20	0	0	0	20	0	0	20
Construction	0	2,500	2,000	0	0	4,500	0	0	4,500
Equipment	0	0	0	0	0	0	0	0	0
Administration	56	160	160	0	0	376	0	0	376
Administration - FAS	3	3	3	0	0	9	0	0	9
Inspection	0	112	113	0	0	225	0	0	225
Miscellaneous	0	0	50	0	0	50	0	0	50
Contingency	0	200	295	0	0	495	0	0	495
Total Outlay	\$149	\$3,195	\$2,821	\$0	\$0	\$6,165	\$0	\$0	\$6,165

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$149	\$3,195	\$2,821	\$0	\$0	\$6,165	\$0	\$0	\$6,165
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	\$149	\$3,195	\$2,821	\$0	\$0	\$6,165	\$0	\$0	\$6,165
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	\$149	\$3,195	\$2,821	\$0	\$0	\$6,165	\$0	\$0	\$6,165

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	13.9	313.6	579.2	579.2	0.0	579.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$13.9	\$313.6	\$579.2	\$579.2	\$0.0	\$579.2
Increase to Water User Fee:	0.0¢	0.3¢	7.2¢	13.1¢	13.0¢	0.0¢	12.8¢

LOCATION:
Waldorf

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Waldorf Urban Redevelopment Center Water	Water User 55% Water Connection 45%	Requested By: PGM Project #:
Distribution With the construction of a new tower on the Waldorf Fire House site, waterline extensions to the existing system will require upsizing and extension. Design and construction of 12" water lines from the tower to Leonardtown Rd (1300') and from the Tower to Crain Highway (650') to tie into the existing Waldorf System.		
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)		
PRIORITY		
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:		
	FY 2021 FY 2022 FY 2023 FY 2024	TOTAL
Approved FY20-FY24 CIP	\$0 \$0 \$0 \$0	\$0
Increase/(Decrease)	\$88 \$543 \$977 \$0	\$1,608
% change	new new new n/a	new

The new tower will require a distribution line to drain flow.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$45	\$35	\$30	\$0	\$0	\$110	\$0	\$0	\$110
Land & ROW	0	50	50	0	0	100	0	0	100
Construction	0	400	700	0	0	1,100	0	0	1,100
Equipment	0	0	0	0	0	0	0	0	0
Administration	40	30	31	0	0	101	0	0	101
Administration - FAS	3	3	3	0	0	9	0	0	9
Inspection	0	25	30	0	0	55	0	0	55
Miscellaneous	0	0	12	0	0	12	0	0	12
Contingency	0	0	121	0	0	121	0	0	121
Total Outlay	\$88	\$543	\$977	\$0	\$0	\$1,608	\$0	\$0	\$1,608

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$88	\$543	\$977	\$0	\$0	\$1,608	\$0	\$0	\$1,608
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	\$88	\$543	\$977	\$0	\$0	\$1,608	\$0	\$0	\$1,608
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	\$88	\$543	\$977	\$0	\$0	\$1,608	\$0	\$0	\$1,608

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	8.2	59.2	151.1	151.1	0.0	151.1
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$8.2	\$59.2	\$151.1	\$151.1	\$0.0	\$151.1
 Increase to Water User Fee:	 0.0¢	 0.2¢	 1.4¢	 3.4¢	 3.4¢	 0.0¢	 3.3¢

LOCATION: Waldorf, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME:	Water User	50%	Requested By:	DPW		
Old Washington Road Watermain Extension	Water Connection	50%	Project #:	6041		
<p>As recommended in the Waldorf Urban Redevelopment Corridor Implementation Study, the waterline along Old Washington Road must be replaced to increase water distribution capacity, increase fire flow, and remove the existing aging infrastructure. This water line will extend from MD 5 Business to Substation Road, which will also allow greater distribution of the water from the Pinefield water tower.</p>						
<p>Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)</p>						
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:						
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	<i>Based on revised estimates and due to delay in project schedule.</i>
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0	
Increase/(Decrease)	\$388	\$0	\$0	\$0	\$388	
% change	<i>new</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>new</i>	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$30	\$0	\$0	\$0	\$0	\$30	\$170	\$0	\$200
Land & ROW	0	0	0	0	0	0	175	0	175
Construction	300	0	0	0	0	300	746	0	1,046
Equipment	0	0	0	0	0	0	0	0	0
Administration	25	0	0	0	0	25	48	0	73
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	0	0	0	0	0	0	76	0	76
Miscellaneous	0	0	0	0	0	0	66	0	66
Contingency	30	0	0	0	0	30	72	0	102
Total Outlay	\$388	\$0	\$0	\$0	\$0	\$388	\$1,352	\$0	\$1,740

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$388	\$0	\$0	\$0	\$0	\$388	\$1,352	\$0	\$1,740
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	\$388	\$0	\$0	\$0	\$0	\$388	\$1,352	\$0	\$1,740
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	\$388	\$0	\$0	\$0	\$0	\$388	\$1,352	\$0	\$1,740

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	118.0	154.2	154.2	154.2	154.2	118.0	154.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$118.0	\$154.2	\$154.2	\$154.2	\$154.2	\$118.0	\$154.2
Increase to Water User Fee:	2.5¢	3.3¢	3.2¢	3.2¢	3.1¢	2.6¢	3.1¢

LOCATION:
Old Washington Road

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: MWWTP Electrical System Replacement	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #: 7078			
This project includes replacement of the plant's electrical system. The existing electrical system is beyond its life expectancy (over 30 years) and a phased plan will be developed to replace this equipment in a programmed manner.					
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$2,348	\$2,381	\$0	\$0	\$4,729
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$55	\$55	\$0	\$0	\$0	\$110	\$1,046	\$0	\$1,156
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	2,025	2,025	0	0	0	4,050	3,925	0	7,975
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	0	0	0	24	90	0	114
Administration - FAS	3	0	0	0	0	3	6	0	9
Inspection	86	86	0	0	0	172	220	0	392
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	167	203	0	0	0	370	352	0	722
Total Outlay	\$2,348	\$2,381	\$0	\$0	\$0	\$4,729	\$5,639	\$0	\$10,368

FINANCING SOURCES									
Bonds (15 Year)	\$1,996	\$2,024	\$0	\$0	\$0	\$4,020	\$4,793	\$0	\$8,813
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	\$1,996	\$2,024	\$0	\$0	\$0	\$4,020	\$4,793	\$0	\$8,813
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	352	357	0	0	0	709	846	0	1,555
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$2,348	\$2,381	\$0	\$0	\$0	\$4,729	\$5,639	\$0	\$10,368

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	418.2	604.8	794.7	794.7	794.7	418.2	794.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$418.2	\$604.8	\$794.7	\$794.7	\$794.7	\$418.2	\$794.7
Increase to Sewer User Fee:	10.1¢	14.6¢	19.2¢	19.1¢	19.1¢	10.2¢	19.1¢

LOCATION: Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2021
(\$ in thousands)

PROJECT NAME: MWWTP Flow Equalization	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #: 7095
Design and construction of flow equalization/storage system at MWWTP to buffer peak flows and prevent sanitary sewer overflows and unauthorized discharges. This project also includes unit process improvements to address hydraulic inefficiencies at the plant.		
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)		
Priority #1		
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:		
	FY 2021 FY 2022 FY 2023 FY 2024	TOTAL
Approved FY20-FY24 CIP	\$490 \$8,188 \$5,365 \$1,940	\$15,983
Increase/(Decrease)	\$0 \$3,850 \$3,834 \$15	\$7,699
% change	0.0% 47.0% 71.5% 0.8%	48.2%

Increase in cost is based on latest engineer's construction cost estimate.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$475	\$375	\$275	\$275	\$275	\$1,675	\$1,465	\$0	\$3,140
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	10,475	7,985	1,400	4,675	24,535	11,550	0	36,085
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	12	12	12	60	111	0	171
Administration - FAS	3	3	3	3	3	15	6	0	21
Inspection	0	125	125	125	125	500	588	0	1,088
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	1,048	799	140	468	2,455	1,156	0	3,611
Total Outlay	\$490	\$12,038	\$9,199	\$1,955	\$5,558	\$29,240	\$14,876	\$0	\$44,116

FINANCING SOURCES										
Bonds (30 Year)	\$416	\$10,232	\$7,819	\$1,662	\$4,724	\$24,853	\$12,645	\$0	\$37,498	
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	\$416	\$10,232	\$7,819	\$1,662	\$4,724	\$24,853	\$12,645	\$0	\$37,498	
Federal	0	0	0	0	0	0	0	0	0	
State	0	0	0	0	0	0	0	0	0	
Other: WSSC @ 15%	74	1,806	1,380	293	834	4,387	2,231	0	6,618	
Other:	0	0	0	0	0	0	0	0	0	
Total Funding	\$490	\$12,038	\$9,199	\$1,955	\$5,558	\$29,240	\$14,876	\$0	\$44,116	

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	737.5	764.7	1,438.5	1,956.3	2,066.4	737.5	2,381.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$737.5	\$764.7	\$1,438.5	\$1,956.3	\$2,066.4	\$737.5	\$2,381.0
Increase to Sewer User Fee:	17.8¢	18.5¢	34.7¢	47.1¢	49.8¢	18.1¢	57.3¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Mattawoman Infiltration and Inflow Phase II <p>The Mattawoman WWTP service area has high Inflow and Infiltration (I/I) during storm events entering the sanitary sewer causing sanitary sewer overflows (SSOs) where system capacity is not sufficient. SSOs range from backups into basements to overflows from the sewer manholes. In addition to being a public health risk, it is also a regulatory issue. This project will provide information on the condition of the Mattawoman sewer system, identify areas where I/I already exists or a high I/I potential exists, and design/construct repairs for I/I removal. This project will also investigate feasibility of providing in-line storage for flow equalization; identify locations for design and construction projects to implement the in-line flow equalization and acquisition of right of way needed to implement the projects. The repairs proposed will address the sewer basins with the highest I/I severity (Tier 1) resulting in the greatest amount of I/I removal for the lowest cost. This project will be on-going multi-year endeavor.</p>	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #: 7144																								
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)																										
PRIORITY																										
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>FY 2021</th> <th>FY 2022</th> <th>FY 2023</th> <th>FY 2024</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>Approved FY20-FY24 CIP</td> <td>\$3,974</td> <td>\$3,207</td> <td>\$3,207</td> <td>\$3,207</td> <td>\$13,595</td> </tr> <tr> <td>Increase/(Decrease)</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> </tr> <tr> <td>% change</td> <td>0.0%</td> <td>0.0%</td> <td>0.0%</td> <td>0.0%</td> <td>0.0%</td> </tr> </tbody> </table>		FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Approved FY20-FY24 CIP	\$3,974	\$3,207	\$3,207	\$3,207	\$13,595	Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0	% change	0.0%	0.0%	0.0%	0.0%	0.0%		
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL																					
Approved FY20-FY24 CIP	\$3,974	\$3,207	\$3,207	\$3,207	\$13,595																					
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0																					
% change	0.0%	0.0%	0.0%	0.0%	0.0%																					

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$200	\$600	\$600	\$600	\$600	\$2,600	\$592	\$600	\$3,792
Land & ROW	100	50	50	50	50	300	200	50	550
Construction	3,514	2,400	2,400	2,400	2,400	13,114	7,298	2,400	22,812
Equipment	0	0	0	0	0	0	0	0	0
Administration	15	15	15	15	15	75	30	15	120
Administration - FAS	3	3	3	3	3	15	6	3	24
Inspection	75	72	72	72	72	363	111	72	546
Miscellaneous	17	17	17	17	17	85	34	17	136
Contingency	50	50	50	50	50	250	100	50	400
Total Outlay	\$3,974	\$3,207	\$3,207	\$3,207	\$3,207	\$16,802	\$8,371	\$3,207	\$28,380

FINANCING SOURCES										
Bonds (30 Year)	\$3,974	\$3,207	\$3,207	\$3,207	\$3,207	\$16,802	\$8,371	\$3,207	\$28,380	
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	\$3,974	\$3,207	\$3,207	\$3,207	\$3,207	\$16,802	\$8,371	\$3,207	\$28,380	
Federal	0	0	0	0	0	0	0	0	0	
State	0	0	0	0	0	0	0	0	0	
Other: WSSC	0	0	0	0	0	0	0	0	0	
Other:	0	0	0	0	0	0	0	0	0	
Total Funding	\$3,974	\$3,207	\$3,207	\$3,207	\$3,207	\$16,802	\$8,371	\$3,207	\$28,380	

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	488.2	748.4	959.6	1,172.0	1,384.4	488.2	1,811.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$488.2	\$748.4	\$959.6	\$1,172.0	\$1,384.4	\$488.2	\$1,811.6
Increase to Sewer User Fee:	11.8¢	18.1¢	23.2¢	28.2¢	33.4¢	12.0¢	43.6¢

LOCATION:
Mattawoman Sewer Service Area

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Mattawoman WWTP Automation	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #: 7083
Automation of the Mattawoman WWTP facility to improve the efficiency of operations and maintenance, thereby minimizing resources and resulting in cost avoidance. Design standards will be determined for the project and implemented on the remaining processes to monitor the system via plant SCADA system and ensure system stays in compliance.		
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)		
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:		
	FY 2021 FY 2022 FY 2023 FY 2024	TOTAL
Approved FY20-FY24 CIP	\$663 \$0 \$0 \$0	\$663
Increase/(Decrease)	\$1,367 \$2,030 \$0 \$0	\$3,397
% change	206.2% new n/a n/a	512.4%

Cost increase is based on latest engineers cost estimate for work.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$125	\$125	\$0	\$0	\$0	\$250	\$960	\$0	\$1,210
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	1,650	1,650	0	0	0	3,300	2,730	0	6,030
Equipment	0	0	0	0	0	0	1,214	0	1,214
Administration	12	12	0	0	0	24	129	0	153
Administration - FAS	3	3	0	0	0	6	9	0	15
Inspection	75	75	0	0	0	150	243	0	393
Miscellaneous	0	0	0	0	0	0	1	0	1
Contingency	165	165	0	0	0	330	222	0	552
Total Outlay	\$2,030	\$2,030	\$0	\$0	\$0	\$4,060	\$5,508	\$0	\$9,568

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025				
Bonds (15 Year)	\$1,725	\$1,725	\$0	\$0	\$0	\$3,450	\$4,267	\$0	\$7,717
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	115	0	115
Total County Funding	\$1,725	\$1,725	\$0	\$0	\$0	\$3,450	\$4,383	\$0	\$7,833
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	300	0	300
Other: WSSC @ 15%	305	305	0	0	0	610	825	0	1,435
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$2,030	\$2,030	\$0	\$0	\$0	\$4,060	\$5,508	\$0	\$9,568

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	372.4	533.6	695.4	695.4	695.4	372.4	695.4
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$372.4	\$533.6	\$695.4	\$695.4	\$695.4	\$372.4	\$695.4
 Increase to Sewer User Fee:	 9.0¢	 12.9¢	 16.8¢	 16.8¢	 16.8¢	 11.9¢	 16.7¢

LOCATION: Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME:

Pump Station Rehabs and Replacements

Sewer User

Sewer Connection

100%

0%

Requested By:

Project #:

DPW

7097

Rehabilitation at various wastewater pumping facilities to update to current standards and replace aged equipment/infrastructure that include, but are not limited to the following: Strawberry Hills P.S., Theodore Green Blvd. P.S., Checkers P.S., Thomas Stone P.S., Indian Head Manor P.S., Ryon Woods P.S., Rt. 925B P.S., St. Charles P.S. #5A, Pinefield P.S. Forcemain, Bar Harbor P.S., Bachelors Hope P.S., Cuckolds Creek P.S., Wisteria P.S., Bath House P.S., barscreen at P.S.3B, Brawners Estates PS, Laurel Branch PS# 3, Clifton PS #3, Clifton PS #2, Hill Road PS, Cobb Island PS, Eutaw Forest PS, Montgomery Lane PS, Pomonkey PS, Sound Wall at PS #3B, generator replacements at Rt. 5 PS, Hill Road PS, Swan Pt. Vac Station, Strawberry Hills PS, Bryans Rd PS, and Indian Head Manor PS, and abandonment of various pump station sites.

Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:

	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$3,671	\$2,426	\$1,106	\$923	\$8,126
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$375	\$275	\$175	\$175	\$175	\$1,175	\$564	\$175	\$1,914
Land & ROW	0	0	0	0	0	0	125	0	125
Construction	2,780	1,825	775	625	625	6,630	3,177	625	10,432
Equipment	0	0	0	0	0	0	0	0	0
Administration	48	36	12	12	12	120	161	12	293
Administration - FAS	3	3	3	3	3	15	0	3	18
Inspection	187	104	63	45	45	444	637	45	1,126
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	278	183	78	63	63	665	688	63	1,416
Total Outlay	\$3,671	\$2,426	\$1,106	\$923	\$923	\$9,049	\$5,352	\$923	\$15,324

FINANCING SOURCES										
Bonds (15 Year)	\$3,671	\$2,426	\$1,106	\$923	\$923	\$9,049	\$5,352	\$923	\$15,324	
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	\$3,671	\$2,426	\$1,106	\$923	\$923	\$9,049	\$5,352	\$923	\$15,324	
Federal	0	0	0	0	0	0	0	0	0	
State	0	0	0	0	0	0	0	0	0	
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0	
Other:	0	0	0	0	0	0	0	0	0	
Total Funding	\$3,671	\$2,426	\$1,106	\$923	\$923	\$9,049	\$5,352	\$923	\$15,324	

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	467.0	810.2	1,037.8	1,141.9	1,228.7	467.0	1,403.1
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$467.0	\$810.2	\$1,037.8	\$1,141.9	\$1,228.7	\$467.0	\$1,403.1
Increase to Sewer User Fee:	20.5¢	35.6¢	45.5¢	50.0¢	53.8¢	20.8¢	61.4¢

LOCATION:
Various pumping stations countywide

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME:

Satellite Wastewater Facility Upgrades

Sewer User

Sewer Connection

100%

0%

Requested By:

Project #:

DPW

7098

To provide necessary upgrades to various satellite pumping stations and treatment plant facilities that include, but are not limited to the following: Replacement of generator and automatic transfer switch at Cobb Island Pumping Station to maintain power distribution reliability. Install asphalt access drives that will replace failing gravel drives at Strawberry Hills P.S., Clifton Pumping Station #2, Clifton Pumping Station #4, and Mt. Carmel WWTP. Relocate chemical feed system at Swan Point Vacuum Pumping Station into building to be constructed. Construct regional storage facility at Swan Point WWTP. Construct Chemical Building at Swan Point WWTP. Construct building at Bel Alton WWTP that will aid in maintaining process temperatures for improved system performance. Structural, process, and mechanical improvements at Clifton WWTP and Mt. Carmel WWTP. Sprayfield improvements at Breeze Farm and Cuckolds Creek facilities. Construct regional operation and maintenance facility at St. Charles PS2A site. Chemical feed system improvements at various satellite treatment plants. Remodel Lab at Bel Alton WWTP. Flow equalization tank at Bel Alton WWTP.

Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:

Increase due to addition of contract project management costs.

	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$541	\$541	\$541	\$541	\$2,164
Increase/(Decrease)	\$33	\$33	\$33	\$33	\$132
% change	6.1%	6.1%	6.1%	6.1%	6.1%

Increase due to addition of contract project management costs.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$75	\$75	\$75	\$75	\$75	\$375	\$735	\$75	\$1,185
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	375	375	375	375	375	1,875	2,474	375	4,724
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	45	45	45	225	53	45	323
Administration - FAS	3	3	3	3	3	15	6	3	24
Inspection	38	38	38	38	38	190	333	38	561
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	38	38	38	38	38	190	303	38	531
Total Outlay	\$574	\$574	\$574	\$574	\$574	\$2,870	\$3,905	\$574	\$7,349

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$574	\$574	\$574	\$574	\$574	\$2,870	\$3,905	\$574	\$7,349
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	\$574	\$574	\$574	\$574	\$574	\$2,870	\$3,905	\$574	\$7,349
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$574	\$574	\$574	\$574	\$574	\$2,870	\$3,905	\$574	\$7,349

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	340.7	394.4	448.2	502.3	556.3	340.7	664.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$340.7	\$394.4	\$448.2	\$502.3	\$556.3	\$340.7	\$664.7
Increase to Sewer User Fee:	15.0¢	17.3¢	19.7¢	22.0¢	24.4¢	15.2¢	29.1¢

LOCATION:
Various Sites-see description

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: MWWTP Clarifier and Thickener Repairs	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #: 7093				
Gravity Thickeners #1 & #2, Secondary Clarifiers #5 & #6, and Final Clarifiers #1 through #4 are aged and in need of rehabilitation. Work includes mechanical, electrical, and structural repairs/replacements. Project also includes addition of a fourth gravity thickener to meet increasing sludge thickening demands.						
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)						
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:						
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	<i>Increase is due to latest engineer's construction cost estimate and addition of contract project management costs.</i>
Approved FY20-FY24 CIP	\$2,707	\$2,707	\$2,707	\$0	\$8,121	
Increase/(Decrease)	\$563	\$616	\$616	\$0	\$1,795	
% change	20.8%	22.8%	22.8%	n/a	22.1%	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$125	\$125	\$125	\$0	\$0	\$375	\$1,100	\$0	\$1,475
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	2,750	2,750	2,750	0	0	8,250	4,695	0	12,945
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	45	0	0	135	99	0	234
Administration - FAS	3	3	3	0	0	9	9	0	18
Inspection	125	125	125	0	0	375	432	0	807
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	222	275	275	0	0	772	427	0	1,199
Total Outlay	\$3,270	\$3,323	\$3,323	\$0	\$0	\$9,916	\$6,762	\$0	\$16,678

FINANCING SOURCES									
Bonds (30 Year)	\$2,779	\$2,825	\$2,825	\$0	\$0	\$8,429	\$5,748	\$0	\$14,177
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	\$2,779	\$2,825	\$2,825	\$0	\$0	\$8,429	\$5,748	\$0	\$14,177
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	491	498	498	0	0	1,487	1,014	0	2,501
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$3,270	\$3,323	\$3,323	\$0	\$0	\$9,916	\$6,762	\$0	\$16,678

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20		Beyond FY 2025	
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 Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	335.2	517.2	703.2	890.3	890.3	335.2	890.3	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$335.2	\$517.2	\$703.2	\$890.3	\$890.3	\$335.2	\$890.3	\$0.0	\$0.0
Increase to Sewer User Fee:	8.1¢	12.5¢	17.0¢	21.5¢	21.5¢	8.2¢	21.4¢		

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME:

MWWTP Utility Water System Evaluation & Improvement

Sewer User

55%

Requested By:

DPW

Sewer Connection

45%

Project #:

7101

The plant utility water system has not always been satisfactory in supporting all of the demands for Non-Potable Water (NPW) at the MWWTP. Sludge production and other needs for NPW have increased over the years. Low NPW pressures have been experienced throughout the plant and the sludge dewatering process has been negatively affected as a result. Evaluation of the plant utility water system is needed to determine what improvements are necessary in order to satisfy the plant NPW demands. The effect of the UV upgrade was to cut the system from a 4 pump system to a 2 pump system, and it has become a common occurrence to have to defer wash-downs in other areas of the plant in order to operate the belt filter presses or vice versa.

Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:

	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Approved FY20-FY24 CIP	\$750	\$0	\$0	\$0	\$750	Increase in estimated cost due to design changes and addition of contract project management costs.
Increase/(Decrease)	(\$657)	\$784	\$0	\$0	\$127	Schedule change due to timing of procurement for next phase of work.
% change	-87.6%	new	n/a	n/a	16.9%	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$45	\$57	\$0	\$0	\$0	\$102	\$307	\$0	\$409
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	565	0	0	0	565	1,915	0	2,480
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	0	0	0	90	60	0	150
Administration - FAS	3	3	0	0	0	6	6	0	12
Inspection	0	57	0	0	0	57	190	0	247
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	57	0	0	0	57	192	0	249
Total Outlay	\$93	\$784	\$0	\$0	\$0	\$877	\$2,670	\$0	\$3,547

FINANCING SOURCES										
Bonds (30 Year)	\$79	\$666	\$0	\$0	\$0	\$745	\$2,268	\$0	\$3,013	
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	\$79	\$666	\$0	\$0	\$0	\$745	\$2,268	\$0	\$3,013	
Federal	0	0	0	0	0	0	0	0	0	
State	0	0	0	0	0	0	0	0	0	
Other: WSSC @ 15%	14	118	0	0	0	132	402	0	534	
Other:	0	0	0	0	0	0	0	0	0	
Total Funding	\$93	\$784	\$0	\$0	\$0	\$877	\$2,670	\$0	\$3,547	

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20		Beyond FY 2025	
						0.00	0.00	0.00	0.00
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0
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 Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	132.3	137.4	181.3	181.3	181.3	132.3	181.3	181.3	181.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$132.3	\$137.4	\$181.3	\$181.3	\$181.3	\$132.3	\$181.3	\$181.3	\$181.3
Increase to Sewer User Fee:	3.2¢	3.3¢	4.4¢	4.4¢	4.4¢	3.2¢	4.4¢		

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Sewer Model Update	Sewer User 55% Sewer Connection 45%	Requested By: PGM Project #: 7091			
Update the current County Sewer Model by including newly installed sewer lines and verifying system stability and identify deficiencies. An interactive component to the County sewer model is needed to determine available service areas for both new and existing sewage pump stations. Funding also includes a Dynamic Sewer Model which will demonstrate extended peak flows in the system from storm events, and assisting the County staff in determining previously unforeseen operational issues or system failures.					
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$103	\$103	\$103	\$103	\$412
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$30	\$30	\$30	\$30	\$30	\$150	\$476	\$30	\$656
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	66	66	66	66	66	330	394	66	790
Administration - FAS	3	3	3	3	3	15	12	3	30
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	0	0	0	0	0	0	3	0	3
Contingency	4	4	4	4	4	20	54	4	78
Total Outlay	\$103	\$103	\$103	\$103	\$103	\$515	\$939	\$103	\$1,557

FINANCING SOURCES									
Bonds (30 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	103	103	103	103	103	515	939	103	1,557
Total County Funding	\$103	\$103	\$103	\$103	\$103	\$515	\$939	\$103	\$1,557
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$103	\$103	\$103	\$103	\$103	\$515	\$939	\$103	\$1,557

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20		Beyond FY 2025	
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 Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	2.5¢	0.0¢		

LOCATION: County-wide

REQUESTED CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2021
(\$ in thousands)

PROJECT NAME:		Sewer User	23%	Requested By:	PGM
Zekiah Pump Station Upgrade		Sewer Connection	77%	Project #:	7107
<p>Design and construct to expand the capacity of the Zekiah Pumping Station from approximately 3.0 MGD to 10.5 MGD. The developer of Adams Crossing previously expanded the Zekiah Pump Station from 1 MGD to approximately 3.0 MGD. To accomplish this expansion, the existing pump station will be fully replaced.</p> <p>Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)</p>					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$598	\$598	\$0	\$0	\$1,196
Increase/(Decrease)	(\$598)	\$0	\$598	\$0	\$0
% change	-100.0%	0.0%	new	n/a	0.0%

Funding to be pushed back to further analyze the condition of the pump station in a new study.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$0	\$200
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	500	500	0	0	1,000	1,000	0	2,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	25	25	0	0	50	66	0	116
Administration - FAS	0	3	3	0	0	6	3	0	9
Inspection	0	15	15	0	0	30	36	0	66
Miscellaneous	0	5	5	0	0	10	12	0	22
Contingency	0	50	50	0	0	100	100	0	200
Total Outlay	\$0	\$598	\$598	\$0	\$0	\$1,196	\$1,417	\$0	\$2,613

FINANCING SOURCES										
Bonds (30 Year)	\$0	\$598	\$598	\$0	\$0	\$1,196	\$1,417	\$0	\$2,613	
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	\$0	\$598	\$598	\$0	\$0	\$1,196	\$1,417	\$0	\$2,613	
Federal	0	0	0	0	0	0	0	0	0	
State	0	0	0	0	0	0	0	0	0	
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0	
Other:	0	0	0	0	0	0	0	0	0	
Total Funding	\$0	\$598	\$598	\$0	\$0	\$1,196	\$1,417	\$0	\$2,613	

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	82.6	82.6	122.0	161.6	161.6	82.6	161.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$82.6	\$82.6	\$122.0	\$161.6	\$161.6	\$82.6	\$161.6
Increase to Sewer User Fee:	0.8¢	0.8¢	1.2¢	1.6¢	1.6¢	0.8¢	1.6¢

LOCATION:
ADC MAP 10(H2)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Zekiah Pump Station Forcemain	Sewer User 23% Sewer Connection 77%	Requested By: PGM Project #: 7108			
Design and construct approximately 7,000 l.f. of 18" force main from Zekiah Pump Station. This project is necessary to accommodate the increased flows generated when the Zekiah Pump Station is upgraded to 10.5 MGD. The new forcemain will run from the existing Zekiah Pump Station along Acton Lane to the intersection of Acton Lane and U.S. Route 301.					
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$1,143	\$0	\$0	\$0	\$1,143
Increase/(Decrease)	(\$1,143)	\$1,143	\$0	\$0	\$0
% change	-100.0%	new	n/a	n/a	0.0%

Funds to be pushed out to FY22 to further analyze the condition of the existing sewer forcemain in a new study.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$110	\$0	\$110
Land & ROW	0	0	0	0	0	0	500	0	500
Construction	0	1,000	0	0	0	1,000	1,000	0	2,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	50	0	0	0	50	94	0	144
Administration - FAS	0	3	0	0	0	3	9	0	12
Inspection	0	30	0	0	0	30	39	0	69
Miscellaneous	0	10	0	0	0	10	12	0	22
Contingency	0	50	0	0	0	50	100	0	150
Total Outlay	\$0	\$1,143	\$0	\$0	\$0	\$1,143	\$1,864	\$0	\$3,007

FINANCING SOURCES									
Bonds (30 Year)	\$0	\$1,143	\$0	\$0	\$0	\$1,143	\$1,864	\$0	\$3,007
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	\$0	\$1,143	\$0	\$0	\$0	\$1,143	\$1,864	\$0	\$3,007
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$1,143	\$0	\$0	\$0	\$1,143	\$1,864	\$0	\$3,007

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	108.7	108.7	184.0	184.0	184.0	108.7	184.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$108.7	\$108.7	\$184.0	\$184.0	\$184.0	\$108.7	\$184.0

Increase to Sewer User Fee:	1.1¢	1.1¢	1.9¢	1.9¢	1.9¢	1.1¢	1.9¢
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LOCATION: ADC MAP 10(H2)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Cliffton WWTP Improvements	Sewer User 100% Sewer Connection 0%	Requested By: DPW Project #: 7123
Cliffton WWTP was constructed in the 1970's and is in need of equipment overhaul and replacement to improve treatment reliability and operability. Project includes complete evaluation of treatment plant and implementation of recommended improvements.		
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)		
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:		
	FY 2021 FY 2022 FY 2023 FY 2024	TOTAL <i>Increase due to addition of contract project management costs and latest engineer's construction cost estimate.</i>
Approved FY20-FY24 CIP	\$2,075 \$0 \$0 \$0	\$2,075
Increase/(Decrease)	(\$1,982) \$2,108 \$0 \$0	\$126
% change	-95.5% new n/a n/a	6.1%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$45	\$125	\$0	\$0	\$0	\$170	\$600	\$0	\$770
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	1,650	0	0	0	1,650	3,900	0	5,550
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	0	0	0	90	48	0	138
Administration - FAS	3	3	0	0	0	6	12	0	18
Inspection	0	120	0	0	0	120	370	0	490
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	165	0	0	0	165	391	0	556
Total Outlay	\$93	\$2,108	\$0	\$0	\$0	\$2,201	\$5,321	\$0	\$7,522

FINANCING SOURCES										
Bonds (15 Year)	\$93	\$2,108	\$0	\$0	\$0	\$2,201	\$5,321	\$0	\$7,522	
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	\$93	\$2,108	\$0	\$0	\$0	\$2,201	\$5,321	\$0	\$7,522	
Federal	0	0	0	0	0	0	0	0	0	
State	0	0	0	0	0	0	0	0	0	
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0	
Other:	0	0	0	0	0	0	0	0	0	
Total Funding	\$93	\$2,108	\$0	\$0	\$0	\$2,201	\$5,321	\$0	\$7,522	

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	464.3	473.0	670.7	670.7	670.7	464.3	670.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$464.3	\$473.0	\$670.7	\$670.7	\$670.7	\$464.3	\$670.7
Increase to Sewer User Fee:	20.4¢	20.8¢	29.4¢	29.4¢	29.4¢	20.7¢	29.4¢

LOCATION:	
Newburg, MD	

REQUESTED CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2021
(\$ in thousands)

PROJECT NAME: MWWTP Primary Clarifiers #1-4 Demolition Existing Primary Clarifiers #1-4 at MWWTP are original to the plant. Flows at MWWTP have exceeded the capabilities of these units leaving them inoperative. Work includes proper demolition of these structures. Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Sewer User</td> <td style="text-align: right;">55%</td> <td style="text-align: right;">Requested By:</td> <td style="text-align: right;">DPW</td> </tr> <tr> <td style="text-align: right;">Sewer Connection</td> <td style="text-align: right;">45%</td> <td style="text-align: right;">Project #:</td> <td></td> </tr> </table>	Sewer User	55%	Requested By:	DPW	Sewer Connection	45%	Project #:	
Sewer User	55%	Requested By:	DPW						
Sewer Connection	45%	Project #:							

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:						
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Approved FY20-FY24 CIP	\$0	\$0	\$190	\$1,900	\$2,090	Schedule change awaiting outcome of MWWTP Facility Plan Phase 2 before we proceed with this project.
Increase/(Decrease)	\$0	\$0	(\$190)	(\$1,710)	(\$1,900)	
% change	n/a	n/a	-100.0%	-90.0%	-90.9%	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$175	\$145	\$320	\$0	\$0	\$320
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	1,450	1,450	0	0	1,450
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	0	0	12	12	24	0	0	24
Administration - FAS	0	0	0	3	3	6	0	0	6
Inspection	0	0	0	0	145	145	0	0	145
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	145	145	0	0	145
Total Outlay	\$0	\$0	\$0	\$190	\$1,900	\$2,090	\$0	\$0	\$2,090

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$0	\$0	\$0	\$161	\$1,615	\$1,776	\$0	\$0	\$1,776
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	\$0	\$0	\$0	\$161	\$1,615	\$1,776	\$0	\$0	\$1,776
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	29	285	314	0	0	314
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$0	\$0	\$190	\$1,900	\$2,090	\$0	\$0	\$2,090

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	10.7	0.0	118.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$10.7	\$0.0	\$118.2

Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.3¢	0.0¢	2.8¢
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LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Hughesville Collection Sewer System	Sewer User 0% Sewer Connection 100%	Requested By: PGM Project #: 7138																								
<p>This project will design and construct a centralized sewer collection system for the Hughesville Village core, including approximately 12,700 linear feet of gravity sewer lines, a new wastewater treatment plant, and all associated infrastructure. The scope includes all aspects of engineering design, permitting, land acquisition, and construction for the central sewer collection and treatment system to serve the village consistent with the Hughesville Village Revitalization Plan and the Hughesville Water and Sewer Feasibility Study.</p>																										
<p>Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)</p>																										
<p>PRIORITY</p>																										
<p>VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>FY 2021</th> <th>FY 2022</th> <th>FY 2023</th> <th>FY 2024</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>Approved FY20-FY24 CIP</td> <td>\$0</td> <td>\$2,139</td> <td>\$2,139</td> <td>\$0</td> <td>\$4,278</td> </tr> <tr> <td>Increase/(Decrease)</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> </tr> <tr> <td>% change</td> <td>n/a</td> <td>0.0%</td> <td>0.0%</td> <td>n/a</td> <td>0.0%</td> </tr> </tbody> </table>				FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Approved FY20-FY24 CIP	\$0	\$2,139	\$2,139	\$0	\$4,278	Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0	% change	n/a	0.0%	0.0%	n/a	0.0%
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL																					
Approved FY20-FY24 CIP	\$0	\$2,139	\$2,139	\$0	\$4,278																					
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0																					
% change	n/a	0.0%	0.0%	n/a	0.0%																					

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$350	\$0	\$350
Land & ROW	0	0	0	0	0	0	380	0	380
Construction	0	1,750	1,750	0	0	3,500	0	0	3,500
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	133	133	0	0	266	57	0	323
Administration - FAS	0	3	3	0	0	6	3	0	9
Inspection	0	73	73	0	0	146	0	0	146
Miscellaneous	0	5	5	0	0	10	15	0	25
Contingency	0	175	175	0	0	350	37	0	387
Total Outlay	\$0	\$2,139	\$2,139	\$0	\$0	\$4,278	\$842	\$0	\$5,120

FINANCING SOURCES									
Bonds (30 Year)	\$0	\$2,139	\$2,139	\$0	\$0	\$4,278	\$842	\$0	\$5,120
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	\$0	\$2,139	\$2,139	\$0	\$0	\$4,278	\$842	\$0	\$5,120
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$2,139	\$2,139	\$0	\$0	\$4,278	\$842	\$0	\$5,120

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	49.1	49.1	190.0	331.6	331.6	49.1	331.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$49.1	\$49.1	\$190.0	\$331.6	\$331.6	\$49.1	\$331.6
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:	Hughesville
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REQUESTED CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2021
(\$ in thousands)

PROJECT NAME:		Sewer User	55%	Requested By:	DPW
MWWTP Septage Receiving Facility Improvements		Sewer Connection	45%	Project #:	7130
<p>This facility does not have sufficient means of debris removal that causes constant clogging of pumps and extensive cleaning of the wet well on a routine basis. This project will evaluate methods of debris removal for this facility and then implement the best approach.</p> <p>Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)</p>					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$268	\$508	\$0	\$0	\$776
Increase/(Decrease)	\$203	\$73	\$0	\$0	\$276
% change	75.7%	14.4%	n/a	n/a	35.6%

Increase in cost due to addition of contract project management costs and projected cost estimate.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$45	\$45	\$0	\$0	\$0	\$90	\$97	\$0	\$187
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	275	375	0	0	0	650	0	0	650
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	0	0	0	90	24	0	114
Administration - FAS	3	3	0	0	0	6	6	0	12
Inspection	75	75	0	0	0	150	0	0	150
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	28	38	0	0	0	66	0	0	66
Total Outlay	\$471	\$581	\$0	\$0	\$0	\$1,052	\$127	\$0	\$1,179

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$471	\$581	\$0	\$0	\$0	\$1,052	\$127	\$0	\$1,179
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	\$471	\$581	\$0	\$0	\$0	\$1,052	\$127	\$0	\$1,179
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$471	\$581	\$0	\$0	\$0	\$1,052	\$127	\$0	\$1,179

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	7.4	38.2	76.5	76.5	76.5	7.4	76.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$7.4	\$38.2	\$76.5	\$76.5	\$76.5	\$7.4	\$76.5
Increase to Sewer User Fee:	0.2¢	0.9¢	1.8¢	1.8¢	1.8¢	0.2¢	1.8¢

LOCATION:
Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME:

Post Office Road Sewer Capacity Improvements

Sewer User

Sewer Connection

100%

0%

Requested By:

Project #:

DPW

7132

This project includes evaluation and implementation of recommended improvements to approximately 3,500 LF of sewer in the area of Post Office Road and St. Charles Parkway to address capacity and maintenance concerns.

Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:

	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Increase in cost due to addition of contract project management costs and latest engineer's construction cost estimate that includes less invasive methods in wetland areas such as microtunneling that are more expensive than traditional construction methods.
Approved FY20-FY24 CIP	\$1,250	\$0	\$0	\$0	\$1,250	
Increase/(Decrease)	\$1,081	\$2,256	\$0	\$0	\$3,337	
% change	86.5%	new	n/a	n/a	267.0%	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$125	\$125	\$0	\$0	\$0	\$250	\$305	\$0	\$555
Land & ROW	75	0	0	0	0	75	75	0	150
Construction	1,825	1,825	0	0	0	3,650	1,150	0	4,800
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	0	0	0	90	36	0	126
Administration - FAS	3	3	0	0	0	6	9	0	15
Inspection	75	75	0	0	0	150	170	0	320
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	183	183	0	0	0	366	123	0	489
Total Outlay	\$2,331	\$2,256	\$0	\$0	\$0	\$4,587	\$1,868	\$0	\$6,455

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (15 Year)	\$2,331	\$2,256	\$0	\$0	\$0	\$4,587	\$1,868	\$0	\$6,455
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	\$2,331	\$2,256	\$0	\$0	\$0	\$4,587	\$1,868	\$0	\$6,455
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$2,331	\$2,256	\$0	\$0	\$0	\$4,587	\$1,868	\$0	\$6,455

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	163.0	380.9	592.5	592.5	592.5	163.0	592.5
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$163.0	\$380.9	\$592.5	\$592.5	\$592.5	\$163.0	\$592.5
Increase to Sewer User Fee:	7.2¢	16.7¢	26.0¢	26.0¢	26.0¢	7.3¢	25.9¢

LOCATION:
Waldorf, MD

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Sewer Pump Station Capacity Study	Sewer User 50% Sewer Connection 50%	Requested By: PGM Project #:			
A comprehensive update and analysis of existing County sewer pump stations is needed to accurately represent the true capacity and limitations of our sewer infrastructure for maintenance planning as well as analyzing the impact of currently proposed development on the sewer systems, as well as an impact analysis of future build-out.					
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
New project is a result of the updated sewer model. The study will provide the true representation of current system.					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$169	\$0	\$0	\$0	\$169
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	n/a	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$150	\$0	\$0	\$0	\$0	\$150	\$0	\$0	\$150
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	11	0	0	0	0	11	0	0	11
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	2	0	0	0	0	2	0	0	2
Contingency	3	0	0	0	0	3	0	0	3
Total Outlay	\$169	\$0	\$0	\$0	\$0	\$169	\$0	\$0	\$169

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	169	0	0	0	0	169	0	0	169
Total County Funding	\$169	\$0	\$0	\$0	\$0	\$169	\$0	\$0	\$169
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$169	\$0	\$0	\$0	\$0	\$169	\$0	\$0	\$169

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Increase to Sewer User Fee:	3.7¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION:	Countywide
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REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Piney Branch Interceptor Sewer Capacity Upgrades - Phase II	Sewer User 0% Sewer Connection 100%	Requested By: DPW Project #:			
Upgrades for Phases 1 and 2 of the Piney Branch Interceptor Sewer were designed concurrently. Construction of Phase 1 improvements was completed in 2013. This project will construct the remaining portion (Phase II) of the upgrades to the Piney Branch Interceptor from the end of Phase I at Middletown Road down to the Mattawoman Interceptor sewer.					
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)					
PRIORITY					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$1,545	\$0	\$0	\$0	\$1,545
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	n/a	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	1,250	0	0	0	0	1,250	0	0	1,250
Equipment	0	0	0	0	0	0	0	0	0
Administration	105	0	0	0	0	105	0	0	105
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	37	0	0	0	0	37	0	0	37
Miscellaneous	25	0	0	0	0	25	0	0	25
Contingency	125	0	0	0	0	125	0	0	125
Total Outlay	\$1,545	\$0	\$0	\$0	\$0	\$1,545	\$0	\$0	\$1,545

FINANCING SOURCES									
Bonds (30 Year)	\$1,545	\$0	\$0	\$0	\$0	\$1,545	\$0	\$0	\$1,545
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	\$1,545	\$0	\$0	\$0	\$0	\$1,545	\$0	\$0	\$1,545
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$1,545	\$0	\$0	\$0	\$0	\$1,545	\$0	\$0	\$1,545

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20		Beyond FY 2025	
No. of Personnel	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		
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
Debt Service: Bonds	0.0	101.2	101.2	101.2	101.2	0.0	101.2		
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total Impact	\$0.0	\$101.2	\$101.2	\$101.2	\$101.2	\$0.0	\$101.2		
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢		

LOCATION: ADC MAP 10(E4-D3)

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Cobb Island Septic Tank Effluent Pump (STEP) Station Rehabs Rehabilitation of STEP stations in the Cobb Island sewer system due to aging infrastructure. Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Sewer User</td> <td style="width: 33%;">100%</td> <td style="width: 33%;">Requested By:</td> <td>DPW</td> </tr> <tr> <td>Sewer Connection</td> <td>0%</td> <td>Project #:</td> <td>7143</td> </tr> </table>	Sewer User	100%	Requested By:	DPW	Sewer Connection	0%	Project #:	7143
Sewer User	100%	Requested By:	DPW						
Sewer Connection	0%	Project #:	7143						

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$120	\$0	\$0	\$0	\$120
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	n/a	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year			
						Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$5	\$0	\$0	\$0	\$0	\$5	\$90	\$0	\$95
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	95	0	0	0	0	95	1,780	0	1,875
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	0	0	0	0	12	24	0	36
Administration - FAS	3	0	0	0	0	3	6	0	9
Inspection	5	0	0	0	0	5	140	0	145
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0
Total Outlay	\$120	\$0	\$0	\$0	\$0	\$120	\$2,040	\$0	\$2,160

FINANCING SOURCES									
Bonds (15 Year)	\$120	\$0	\$0	\$0	\$0	\$120	\$2,040	\$0	\$2,160
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	\$120	\$0	\$0	\$0	\$0	\$120	\$2,040	\$0	\$2,160
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$120	\$0	\$0	\$0	\$0	\$120	\$2,040	\$0	\$2,160

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	178.0	189.2	189.2	189.2	189.2	178.0	189.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$178.0	\$189.2	\$189.2	\$189.2	\$189.2	\$178.0	\$189.2
Increase to Sewer User Fee:	7.8¢	8.3¢	8.3¢	8.3¢	8.3¢	7.9¢	8.3¢

LOCATION:	
Cobb Island	

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: MWWTP Effluent Filters #7-#16	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #:				
This project will add 10 additional effluent filters to increase hydraulic capacity and improve system efficiency and reliability.						
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)						
Priority #2						
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:						
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Approved FY20-FY24 CIP	\$1,515	\$8,615	\$8,615	\$0	\$18,745	
Increase/(Decrease)	\$2,033	(\$592)	(\$1,342)	\$0	\$99	<i>Increase in cost due to addition of contract project management costs.</i>
% change	134.2%	-6.9%	-15.6%	n/a	0.5%	

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$750	\$925	\$175	\$0	\$0	\$1,850	\$0	\$0	\$1,850
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	2,750	6,125	6,125	0	0	15,000	0	0	15,000
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	45	0	0	135	0	0	135
Administration - FAS	3	3	3	0	0	9	0	0	9
Inspection	0	175	175	0	0	350	0	0	350
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	750	750	0	0	1,500	0	0	1,500
Total Outlay	\$3,548	\$8,023	\$7,273	\$0	\$0	\$18,844	\$0	\$0	\$18,844

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$3,016	\$6,820	\$6,182	\$0	\$0	\$16,018	\$0	\$0	\$16,018
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	\$3,016	\$6,820	\$6,182	\$0	\$0	\$16,018	\$0	\$0	\$16,018
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	532	1,203	1,091	0	0	2,826	0	0	2,826
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$3,548	\$8,023	\$7,273	\$0	\$0	\$18,844	\$0	\$0	\$18,844

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	197.5	646.6	1,056.0	1,056.0	0.0	1,056.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$197.5	\$646.6	\$1,056.0	\$1,056.0	\$0.0	\$1,056.0
Increase to Sewer User Fee:	0.0¢	4.8¢	15.6¢	25.4¢	25.4¢	0.0¢	25.4¢

LOCATION: Mattawoman WWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: Southerland Septic Connection	Sewer User Sewer Connection	0% 100%	Requested By: PGM Project #: 7151		
This project is to design and build a sanitary sewer collection system for 21 existing homes with failing on site sewage disposal systems (septics) built between 1953 and 1982 and 14 vacant lots in Southerland Subdivision to the Mattawoman ENR Wastewater Treatment Plant. This project is to benefit health and safety and improve water quality.					
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)					
PRIORITY					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$873	\$0	\$0	\$0	\$873
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	n/a	n/a	n/a	0.0%

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year	Approp. thru FY20	Beyond FY 2025	Project Total
						Total '21-'25			
Architectural & Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$96	\$0	\$96
Land & ROW	0	0	0	0	0	0	206	0	206
Construction	772	0	0	0	0	772	193	0	965
Equipment	0	0	0	0	0	0	0	0	0
Administration	19	0	0	0	0	19	19	0	38
Administration - FAS	5	0	0	0	0	5	5	0	10
Inspection	77	0	0	0	0	77	19	0	96
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	48	0	48
Total Outlay	\$873	\$0	\$0	\$0	\$0	\$873	\$586	\$0	\$1,459

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$453	\$0	\$0	\$0	\$0	\$453	\$586	\$0	\$1,039
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	\$453	\$0	\$0	\$0	\$0	\$453	\$586	\$0	\$1,039
Federal	0	0	0	0	0	0	0	0	0
State	420	0	0	0	0	420	0	0	420
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$873	\$0	\$0	\$0	\$0	\$873	\$586	\$0	\$1,459

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	34.2	63.8	63.8	63.8	63.8	34.2	63.8
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$34.2	\$63.8	\$63.8	\$63.8	\$63.8	\$34.2	\$63.8
Increase to Sewer User Fee:	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢	0.0¢

LOCATION: Frances, Jay and Bland Streets, off of Mill Hill Road in Waldorf, MD.

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME:

MWWTP Reclaimed Water Filtration Facility

Sewer User

Sewer Connection

55%

45%

Requested By:

Project #:

DPW

7152

This project will construct a filtration facility to treat plant effluent to reclaimed water quality standards on a consistent basis, ensuring that we can meet the Development Agreement contractual obligations. An additional benefit is that this project will also allow us to treat reclaimed water to a level that allows wide-spread beneficial reuse, with the goal of reducing the use of potable water for irrigation and other needs, where the reclaimed water could come into contact with humans. Treating to reclaimed water standards also has the potential for a future revenue source. As this project develops, changes in treatment processes and technologies may be needed that may expand the scope of this project to address regulatory needs.

Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)

VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:

	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$7,193	\$7,193	\$0	\$0	\$14,386
Increase/(Decrease)	(\$7,193)	\$30	\$7,223	\$0	\$60
% change	-100.0%	0.4%	new	n/a	0.4%

Schedule change awaiting outcome of MWWTP Facility Plan Phase 2 before proceeding. Increase in cost due to addition of contract project management costs.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$0	\$125	\$125	\$0	\$0	\$250	\$1,125	\$0	\$1,375
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	6,250	6,250	0	0	12,500	0	0	12,500
Equipment	0	0	0	0	0	0	0	0	0
Administration	0	45	45	0	0	90	15	0	105
Administration - FAS	0	3	3	0	0	6	3	0	9
Inspection	0	175	175	0	0	350	0	0	350
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	0	625	625	0	0	1,250	0	0	1,250
Total Outlay	\$0	\$7,223	\$7,223	\$0	\$0	\$14,446	\$1,143	\$0	\$15,589

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$0	\$7,223	\$7,223	\$0	\$0	\$14,446	\$1,143	\$0	\$15,589
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	\$0	\$7,223	\$7,223	\$0	\$0	\$14,446	\$1,143	\$0	\$15,589
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$0	\$7,223	\$7,223	\$0	\$0	\$14,446	\$1,143	\$0	\$15,589

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	66.7	66.7	542.3	1,020.7	1,020.7	66.7	1,020.7
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$66.7	\$66.7	\$542.3	\$1,020.7	\$1,020.7	\$66.7	\$1,020.7
Increase to Sewer User Fee:	1.6¢	1.6¢	13.1¢	24.6¢	24.6¢	1.6¢	24.6¢

LOCATION:
MWWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2021
(\$ in thousands)

PROJECT NAME:		Sewer User	55%	Requested By:	DPW
MWWTP Final Filter Disinfection System		Sewer Connection	45%	Project #:	
<p>This project includes installation of chlorination and dechlorination systems at the existing effluent sand filters to assist in regular cleaning of the sand media that is needed to maintain system performance.</p> <p>Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)</p>					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$674	\$1,023	\$0	\$0	\$1,697
% change	new	new	n/a	n/a	new

This project is needed to maintain system performance of the filters and to provide the best quality water possible to reclaimed water customers. The priority is based on recent water quality issues experienced at the plant.

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$175	\$75	\$0	\$0	\$0	\$250	\$0	\$0	\$250
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	375	750	0	0	0	1,125	0	0	1,125
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	0	0	0	90	0	0	90
Administration - FAS	3	3	0	0	0	6	0	0	6
Inspection	38	75	0	0	0	113	0	0	113
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	38	75	0	0	0	113	0	0	113
Total Outlay	\$674	\$1,023	\$0	\$0	\$0	\$1,697	\$0	\$0	\$1,697

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$573	\$870	\$0	\$0	\$0	\$1,443	\$0	\$0	\$1,443
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	\$573	\$870	\$0	\$0	\$0	\$1,443	\$0	\$0	\$1,443
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	101	153	0	0	0	254	0	0	254
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$674	\$1,023	\$0	\$0	\$0	\$1,697	\$0	\$0	\$1,697

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	37.5	94.8	94.8	94.8	0.0	94.8
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$37.5	\$94.8	\$94.8	\$94.8	\$0.0	\$94.8
Increase to Sewer User Fee:	0.0¢	0.9¢	2.3¢	2.3¢	2.3¢	0.0¢	2.3¢

LOCATION:
MWWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: MWWTP Reclaimed Water Pump Station Improvements	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #:																								
This project includes: replacement of drain valves in wetwell to facilitate cleaning and maintenance, replacement of the disinfection system, and additional discharge header connection for added system reliability.																										
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)																										
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:																										
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	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL																					
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0																					
Increase/(Decrease)	\$864	\$1,104	\$0	\$0	\$1,968																					
% change	new	new	n/a	n/a	new																					

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$275	\$125	\$0	\$0	\$0	\$400	\$0	\$0	\$400
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	475	775	0	0	0	1,250	0	0	1,250
Equipment	0	0	0	0	0	0	0	0	0
Administration	45	45	0	0	0	90	0	0	90
Administration - FAS	3	3	0	0	0	6	0	0	6
Inspection	28	78	0	0	0	106	0	0	106
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	38	78	0	0	0	116	0	0	116
Total Outlay	\$864	\$1,104	\$0	\$0	\$0	\$1,968	\$0	\$0	\$1,968

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$864	\$1,104	\$0	\$0	\$0	\$1,968	\$0	\$0	\$1,968
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	\$864	\$1,104	\$0	\$0	\$0	\$1,968	\$0	\$0	\$1,968
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$864	\$1,104	\$0	\$0	\$0	\$1,968	\$0	\$0	\$1,968

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	56.6	129.3	129.3	129.3	0.0	129.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$56.6	\$129.3	\$129.3	\$129.3	\$0.0	\$129.3
Increase to Sewer User Fee:	0.0¢	1.4¢	3.1¢	3.1¢	3.1¢	0.0¢	3.1¢

LOCATION:	
MWWTP	

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: MWWTP Effluent PS Forcemain Surge Management System	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #:																									
This project includes installation of a surge system to protect the forcemain piping and pumps from excessive surge pressures during normal operation in addition to power loss conditions.																											
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)																											
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>FY 2021</th> <th>FY 2022</th> <th>FY 2023</th> <th>FY 2024</th> </tr> </thead> <tbody> <tr> <td>Approved FY20-FY24 CIP</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Increase/(Decrease)</td> <td style="text-align: right;">\$406</td> <td style="text-align: right;">\$1,120</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>% change</td> <td style="text-align: right;"><i>new</i></td> <td style="text-align: right;"><i>new</i></td> <td style="text-align: right;"><i>n/a</i></td> <td style="text-align: right;"><i>n/a</i></td> </tr> </tbody> </table>		FY 2021	FY 2022	FY 2023	FY 2024	Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	Increase/(Decrease)	\$406	\$1,120	\$0	\$0	% change	<i>new</i>	<i>new</i>	<i>n/a</i>	<i>n/a</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TOTAL</th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td rowspan="3" style="padding: 5px;"> <i>The priority of this project is based on the need to manage surge pressures experienced in the forcemain. These pressures have increased since the effluent pump station was recently upgraded.</i> </td> </tr> <tr> <td style="text-align: right;">\$1,526</td> </tr> <tr> <td style="text-align: right;"><i>new</i></td> </tr> </tbody> </table>	TOTAL		\$0	<i>The priority of this project is based on the need to manage surge pressures experienced in the forcemain. These pressures have increased since the effluent pump station was recently upgraded.</i>	\$1,526	<i>new</i>
	FY 2021	FY 2022	FY 2023	FY 2024																							
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0																							
Increase/(Decrease)	\$406	\$1,120	\$0	\$0																							
% change	<i>new</i>	<i>new</i>	<i>n/a</i>	<i>n/a</i>																							
TOTAL																											
\$0	<i>The priority of this project is based on the need to manage surge pressures experienced in the forcemain. These pressures have increased since the effluent pump station was recently upgraded.</i>																										
\$1,526																											
<i>new</i>																											

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year	Approp. thru FY20	Beyond FY 2025	Project Total
						Total '21-'25			
Architectural & Engineering	\$75	\$85	\$0	\$0	\$0	\$160	\$0	\$0	\$160
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	250	850	0	0	0	1,100	0	0	1,100
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	0	0	0	24	0	0	24
Administration - FAS	3	3	0	0	0	6	0	0	6
Inspection	28	85	0	0	0	113	0	0	113
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	38	85	0	0	0	123	0	0	123
Total Outlay	\$406	\$1,120	\$0	\$0	\$0	\$1,526	\$0	\$0	\$1,526

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$345	\$952	\$0	\$0	\$0	\$1,297	\$0	\$0	\$1,297
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	\$345	\$952	\$0	\$0	\$0	\$1,297	\$0	\$0	\$1,297
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	61	168	0	0	0	229	0	0	229
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$406	\$1,120	\$0	\$0	\$0	\$1,526	\$0	\$0	\$1,526

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. Beyond	
						thru FY20	FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	22.6	85.3	85.3	85.3	0.0	85.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$22.6	\$85.3	\$85.3	\$85.3	\$0.0	\$85.3
Increase to Sewer User Fee:	0.0¢	0.5¢	2.1¢	2.1¢	2.1¢	0.0¢	2.1¢

LOCATION: MWWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: MWWTP Belt Filter Press Replacement Phase II	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #:			
Belt Filter Presses #1 through #3 of the sludge process at MWWTP are aged and in need of replacement. Work includes replacement of all mechanical, electrical, and structural components. Additional work includes replacement of lime system that is aged and in need of replacement.					
Planning Commission Comments: Project is consistent with Comprehensive Plan. (Rating #1)					
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:					
<i>Funding to address lime system replacement was revised.</i>					
	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$4,478	\$4,103	\$0	\$0	\$8,581
% change	new	new	n/a	n/a	new

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$625	\$250	\$0	\$0	\$0	\$875	\$1,105	\$0	\$1,980
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	3,375	3,375	0	0	0	6,750	7,500	0	14,250
Equipment	0	0	0	0	0	0	0	0	0
Administration	12	12	0	0	0	24	54	0	78
Administration - FAS	3	3	0	0	0	6	6	0	12
Inspection	125	125	0	0	0	250	390	0	640
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	338	338	0	0	0	676	250	0	926
Total Outlay	\$4,478	\$4,103	\$0	\$0	\$0	\$8,581	\$9,305	\$0	\$17,886

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Bonds (30 Year)	\$3,806	\$3,488	\$0	\$0	\$0	\$7,294	\$7,909	\$0	\$15,203
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	\$3,806	\$3,488	\$0	\$0	\$0	\$7,294	\$7,909	\$0	\$15,203
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	672	615	0	0	0	1,287	1,396	0	2,683
Other:	0	0	0	0	0	0	0	0	0
Total Funding	\$4,478	\$4,103	\$0	\$0	\$0	\$8,581	\$9,305	\$0	\$17,886

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	461.3	710.5	940.2	940.2	940.2	461.3	940.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$461.3	\$710.5	\$940.2	\$940.2	\$940.2	\$461.3	\$940.2
Increase to Sewer User Fee:	11.1¢	17.2¢	22.7¢	22.7¢	22.7¢	11.3¢	22.6¢

LOCATION: MWWTP

REQUESTED CAPITAL IMPROVEMENT PROGRAM

FISCAL YEAR 2021

(\$ in thousands)

PROJECT NAME: MWWTP Administration Building Renovations	Sewer User 55% Sewer Connection 45%	Requested By: DPW Project #:																								
Renovations to Buildings #1 and #9 at MWWTP to include, but not be limited to the following: interior/exterior painting, conference room improvements, HVAC improvements, carpet replacement, and office reconfiguration.																										
Planning Commission Comments: Maintenance or upgrade of existing facilities, Consistent (Rating #2)																										
VARIANCE TO APPROVED PER FY20-FY24 CAPITAL IMPROVEMENT PROGRAM:																										
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	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL																					
Approved FY20-FY24 CIP	\$0	\$0	\$0	\$0	\$0																					
Increase/(Decrease)	\$293	\$0	\$0	\$0	\$293																					
% change	<i>new</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>new</i>																					

EXPENSE BUDGET	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-Year Total '21-'25	Approp. thru FY20	Beyond FY 2025	Project Total
Architectural & Engineering	\$45	\$0	\$0	\$0	\$0	\$45	\$0	\$0	\$45
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	175	0	0	0	0	175	0	0	175
Equipment	15	0	0	0	0	15	0	0	15
Administration	12	0	0	0	0	12	0	0	12
Administration - FAS	3	0	0	0	0	3	0	0	3
Inspection	25	0	0	0	0	25	0	0	25
Miscellaneous	0	0	0	0	0	0	0	0	0
Contingency	18	0	0	0	0	18	0	0	18
Total Outlay	\$293	\$0	\$0	\$0	\$0	\$293	\$0	\$0	\$293

FINANCING SOURCES	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Bonds (30 Year)	\$293	\$0	\$0	\$0	\$0	\$293	\$0	\$0	\$0	\$293
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0	0
Total County Funding	\$293	\$0	\$0	\$0	\$0	\$293	\$0	\$0	\$0	\$293
Federal	0	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0	0
Other: WSSC @ 15%	0	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0	0
Total Funding	\$293	\$0	\$0	\$0	\$0	\$293	\$0	\$0	\$0	\$293

Operating Budget Impact	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Approp. thru FY20	Beyond FY 2025
No. of Personnel	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
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Operating	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Debt Service: Bonds	0.0	19.2	19.2	19.2	19.2	0.0	19.2
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Impact	\$0.0	\$19.2	\$19.2	\$19.2	\$19.2	\$0.0	\$19.2
Increase to Sewer User Fee:	0.0¢	0.5¢	0.5¢	0.5¢	0.5¢	0.0¢	0.5¢

Renovations

LOCATION:	
MWWTP	