

# Water & Sewer 5-YEAR PLAN

FY 2027    FY 2028    FY 2029    FY 2030    FY 2031

**Total  
27-'31**

## FY2027-FY2031 CAPITAL IMPROVEMENT PLAN

*(\$ in thousands)*

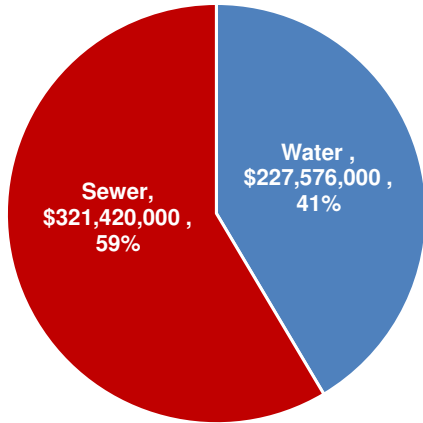
### **CAPITAL COSTS**

Water	\$29,410	\$48,111	\$65,344	\$55,412	\$29,299	\$227,576
Sewer	35,782	60,973	62,099	87,114	75,452	321,420
<b>Total</b>	<b>\$65,192</b>	<b>\$109,084</b>	<b>\$127,443</b>	<b>\$142,526</b>	<b>\$104,751</b>	<b>\$548,996</b>

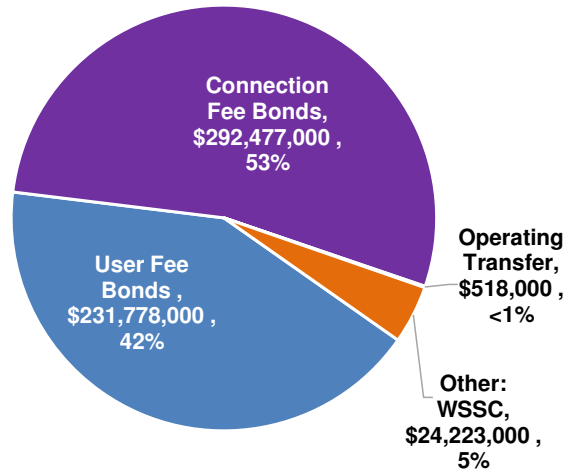
### **FINANCE SOURCES**

User Fee Bonds	\$33,389	\$42,327	\$48,812	\$59,417	\$47,833	\$231,778
Connection Fee Bonds	29,051	62,906	75,382	75,252	49,886	292,477
Operating Transfer	166	166	66	60	60	518
<b>Total County Funding</b>	<b>\$62,606</b>	<b>\$105,399</b>	<b>\$124,260</b>	<b>\$134,729</b>	<b>\$97,779</b>	<b>\$524,773</b>
Other: WSSC	2,586	3,685	3,183	7,797	6,972	24,223
<b>Total</b>	<b>\$65,192</b>	<b>\$109,084</b>	<b>\$127,443</b>	<b>\$142,526</b>	<b>\$104,751</b>	<b>\$548,996</b>

Capital Cost



Capital Cost



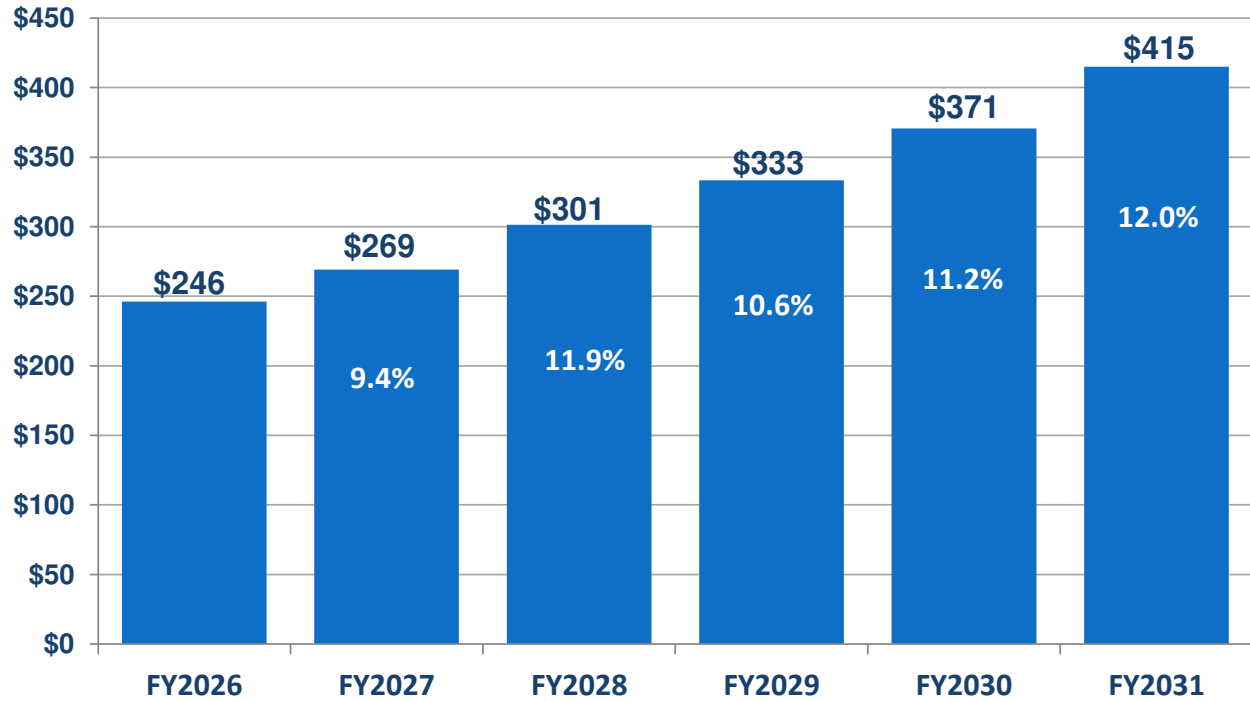
**New project(s) added to the FY2027-FY2031 CIP (\$ in thousands):**

<b>Project Title</b>	<b>FY2027</b>	<b>FY2028</b>	<b>FY2029</b>	<b>FY2030</b>	<b>FY2031</b>	<b>27-'31</b>
MWWTP Fuel Tank Replacement	\$0	\$149	\$1,251	\$0	\$0	\$1,400
<p><i>Mattawoman Waste Water Treatment Plant has two underground fuel storage tanks. The scope of this project is to remove the underground tanks and replace them with above ground storage tanks instead. In addition, the fueling site will be placed under a canopy.</i></p>						

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

<b>Project Title</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>FY 2031</b>	<b>27-'31</b>
Dynamic Sewer Model Update	\$6	\$106	\$6	\$0	\$0	\$118
<p><i>This project is to update the current County Sewer Model for the Mattawoman watershed. The update will include new sewer connections, verify system stability, improve model accuracy, and identify potential deficiencies through model scenarios. Total Project Cost: \$651,000.</i></p>						
Cliffton Water System Improvements	52	0	0	0	0	52
<p><i>The water system at Cliffton requires improvements to solve pressure and capacity issues for not only the existing connections, but also further support the building of the remaining 200 lots of record within the development. The water line interconnection phase has been constructed. The next phase will be to construct a 250,000 gallon elevated storage tank along with necessary tie-in piping. Total project cost: \$5,731,000.</i></p>						
White Plains Failing Septic Sewer	20	0	0	0	0	20
<p><i>This project is part of a larger Maryland Department of Environment (MDE) initiative to reduce the number of onsite sewer disposal systems in the state. One of the recommended actions is to connect existing septic systems to waste water treatment plants. Charles County Sewer Category Map #6, identifies the Waldorf Manor subdivision as a problem "septic" area by the Maryland State Department of Health. Thus, the scope of the project is to build a low pressure force main system down Park Avenue and Gateway Boulevard to allow for future hookup/connections of existing on-site sewer systems to a public sewer system. Total Project Cost: \$4,657,000.</i></p>						

## Estimated Quarterly Water & Sewer Bill

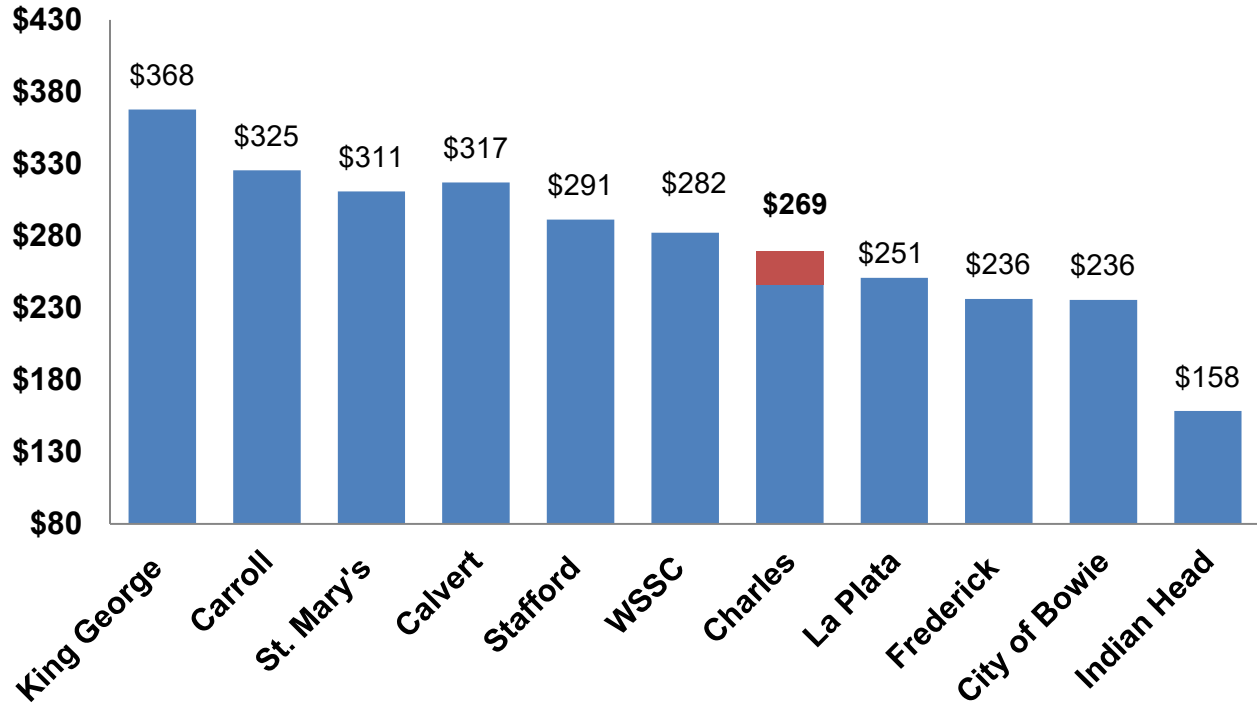


NOTE: % change reflected in graph above represents % increase in the estimated quarterly bill in comparison to the prior year.

	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	5 Year Impact
<b>IMPACT ON QUARTERLY BILL</b>							
Estimated Water & Sewer Bill <i>(based on 11,880 gallons)</i>	\$246.11	\$269.23	\$301.30	\$333.33	\$370.71	\$415.10	
Increase in the estimated quarterly bill:							
Additional amount per quarter		\$23.12	\$32.07	\$32.03	\$37.38	\$44.39	\$168.99
<b>ESTIMATED ANNUAL BILLS:</b>							
Estimated additional annual cost	\$984.44	\$1,076.92	\$1,205.21	\$1,333.31	\$1,482.83	\$1,660.41	\$675.97

# WATER AND SEWER USER CHARGES

**Average Residential Quarterly Bill**  
(based on 11,880 gallons)



NOTES:

The Average Residential User bill is currently \$246.11 a quarter.

Current rates as of January 2025.

Excludes Bay Restoration fees.

# 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 requesting that the water and sewer rate will need to increase by approximately 4.80% annually to fund the requested CIP. In addition to the connection fee, the technology fee surcharge to support the County's new Energov software system will increase by approximately \$49.

Fiscal Year	Sewer Connection Fee	Water Connection Fee	Combined Fee	% Change
2026 Actual	\$13,167	\$7,038	\$20,205	4.77%
2027	\$13,799	\$7,376	\$21,175	4.80%
2028	\$14,461	\$7,730	\$22,191	4.80%
2029	\$15,155	\$8,101	\$23,256	4.80%
2030	\$15,882	\$8,490	\$24,372	4.80%
2031	\$16,644	\$8,897	\$25,541	4.80%

FY27 5/8" Meter Fee	\$13,799	\$7,376	\$21,175	4.80%
FY27 Technology Fee	690	369	1,059	4.85%
<b>TOTAL FEE</b>	<b>\$14,489</b>	<b>\$7,745</b>	<b>\$22,234</b>	<b>4.80%</b>

**• Connection Fees revenues supports meter purchases, staff time and credit card fees associated with online payments of credit transactions.**

**PROPOSED WATER AND SEWER CAPITAL IMPROVEMENT PLAN  
FY2027 TO FY2031**

Proposal Name	Project Manager	Prior	FY2027 Expenses	FY2028 Expenses	FY2029 Expenses	FY2030 Expenses	FY2031 Expenses	5 yr total	Beyond FY2031	Total Project	27-'30 % Chg.
		Appropriations as of 12/30/2025									
<b>WATER PROJECTS</b>											
<b>New Plants/New Capacity</b>											
6070006159 - Potomac River Water Supply Treatment Plant	PGM	2,860,000	2,456,000	2,956,000	2,956,000	5,256,000	3,356,000	16,980,000	227,926,000	247,766,000	0%
6400000003 - Reclaimed Water Elevated Storage Tank	<i>DPW - Capital Maintenance</i>	<i>190,500</i>	<i>163,000</i>	<i>226,000</i>	<i>1,581,000</i>	<i>2,773,000</i>	<i>2,773,000</i>	<i>7,516,000</i>	<i>0</i>	<i>7,706,500</i>	0%
<b>Sub Total</b>		<b>3,050,500</b>	<b>2,619,000</b>	<b>3,182,000</b>	<b>4,537,000</b>	<b>8,029,000</b>	<b>6,129,000</b>	<b>24,496,000</b>	<b>227,926,000</b>	<b>255,472,500</b>	
<b>Wells</b>											
6071000001 - Waldorf Well #18	PGM	646,000	6,000	326,000	1,988,000	1,938,000	0	4,258,000	0	4,904,000	18%
<b>Sub Total</b>		<b>646,000</b>	<b>6,000</b>	<b>326,000</b>	<b>1,988,000</b>	<b>1,938,000</b>	<b>0</b>	<b>4,258,000</b>	<b>0</b>	<b>4,904,000</b>	
<b>Water Towers</b>											
6071006129 - Bryans Road 1MG Water Tower	PGM	3,533,000	8,706,000	7,831,000	0	0	0	16,537,000	0	20,070,000	31%
6071000004 - Leonardtown Road Water Main Replacement	PGM	1,530,000	56,000	256,000	5,198,000	5,198,000	5,198,000	15,906,000	0	17,436,000	-22%
6401006067 - Waldorf Water Tower #6	<i>DPW - Capital Expansion</i>	<i>13,383,570</i>	<i>1,020,000</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1,020,000</i>	<i>0</i>	<i>14,403,570</i>	5567%
<b>Sub Total</b>		<b>18,446,570</b>	<b>9,782,000</b>	<b>8,087,000</b>	<b>5,198,000</b>	<b>5,198,000</b>	<b>5,198,000</b>	<b>33,463,000</b>	<b>0</b>	<b>51,909,570</b>	
<b>Water Enhancements/Main Ext.</b>											
6072000002 - Acton Lane Water Main Extension	PGM	1,862,000	678,000	0	0	0	0	678,000	0	2,540,000	71%
6072000003 - Billingsley Road Water Main Extension	PGM	2,472,000	201,000	2,098,000	0	0	0	2,299,000	0	4,771,000	-4%
6072000004 - Leonardtown Road Water Main Replacement	PGM	212,000	156,000	356,000	4,219,000	4,019,000	0	8,750,000	0	8,962,000	15%
6072006114 - Hughesville Water Line	PGM	8,443,000	1,059,000	506,000	5,777,000	5,777,000	5,777,000	18,896,000	0	27,339,000	-23%
6403006099 - Benedict Water System Improvements	<i>DPW - Capital Maintenance</i>	<i>2,961,000</i>	<i>956,000</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>956,000</i>	<i>0</i>	<i>3,917,000</i>	0%
6072006152 - Waldorf Water Tower #8 Water Distribution	PGM	1,004,000	6,000	16,000	1,486,000	0	0	1,508,000	0	2,512,000	10%
6402000001 - Old Washington Road Waterline	<i>DPW - Capital Services</i>	<i>1,551,190</i>	<i>0</i>	<i>256,000</i>	<i>2,316,000</i>	<i>1,114,000</i>	<i>804,000</i>	<i>4,490,000</i>	<i>0</i>	<i>6,041,190</i>	-15%
6403006069 - Clifton Water System Improvements	<i>DPW - Capital Expansion</i>	<i>5,678,780</i>	<i>52,000</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>52,000</i>	<i>0</i>	<i>5,730,780</i>	Added
<b>Sub Total</b>		<b>24,183,970</b>	<b>3,108,000</b>	<b>3,232,000</b>	<b>13,798,000</b>	<b>10,910,000</b>	<b>6,581,000</b>	<b>37,629,000</b>	<b>-</b>	<b>61,812,970</b>	
<b>New Buildings</b>											
6400000001 - Utilities Waldorf Regional Facility	<i>DPW - Capital Maintenance</i>	<i>412,500</i>	<i>1,702,500</i>	<i>3,441,000</i>	<i>323,000</i>	<i>43,000</i>	<i>0</i>	<i>5,509,500</i>	<i>0</i>	<i>5,922,000</i>	584%
6400000002 - Utilities Professional Development Training Center	<i>DPW - Capital Maintenance</i>	<i>-</i>	<i>0</i>	<i>0</i>	<i>123,000</i>	<i>396,500</i>	<i>380,500</i>	<i>900,000</i>	<i>0</i>	<i>900,000</i>	0%
<b>Sub Total</b>		<b>412,500</b>	<b>1,702,500</b>	<b>3,441,000</b>	<b>446,000</b>	<b>439,500</b>	<b>380,500</b>	<b>6,409,500</b>	<b>-</b>	<b>6,822,000</b>	
<b>Connections</b>											
6072006121 - WSSC Waldorf Interconnection	PGM	11,062,000	4,135,000	23,838,000	27,444,000	22,119,000	5,746,000	83,282,000	0	94,344,000	11%
6072006141 - Middletown Road-Bensville Road Waterline Interconnection	PGM	5,279,080	4,923,000	1,711,000	456,000	0	0	7,090,000	0	12,369,080	47%
6072006147 - Bryans Village Waterline Interconnection	PGM	2,108,750	116,000	66,000	4,624,000	0	0	4,806,000	0	6,914,750	29%
<b>Sub Total</b>		<b>18,449,830</b>	<b>9,174,000</b>	<b>25,615,000</b>	<b>32,524,000</b>	<b>22,119,000</b>	<b>5,746,000</b>	<b>95,178,000</b>	<b>0</b>	<b>113,627,830</b>	
<b>Satellite Facility Upgrades/Improvements</b>											
6403006135 - Chapel Point Reverse Osmosis Waste Water Storage Tank Replacement	<i>DPW - Capital Maintenance</i>	<i>1,813,000</i>	<i>742,000</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>742,000</i>	<i>0</i>	<i>2,555,000</i>	0%
6406000000 - Satellite Water Facility Upgrades (PARENT)	<i>DPW - Capital Maintenance</i>	<i>6,088,420</i>	<i>1,782,000</i>	<i>1,783,000</i>	<i>1,782,000</i>	<i>1,783,000</i>	<i>1,783,000</i>	<i>8,913,000</i>	<i>1,783,000</i>	<i>16,784,420</i>	0%
<b>Sub Total</b>		<b>7,901,420</b>	<b>2,524,000</b>	<b>1,783,000</b>	<b>1,782,000</b>	<b>1,783,000</b>	<b>1,783,000</b>	<b>9,655,000</b>	<b>1,783,000</b>	<b>19,339,420</b>	

BLUE represents new projects.

RED represents projects that were previously fully funded and now require additional funds.

ITALICS represents projects that are split between Water and Sewer.

**PROPOSED WATER AND SEWER CAPITAL IMPROVEMENT PLAN  
FY2027 TO FY2031**

Proposal Name	Project Manager	Prior	FY2027 Expenses	FY2028 Expenses	FY2029 Expenses	FY2030 Expenses	FY2031 Expenses	5 yr total	Beyond FY2031	Total Project	27-'30 % Chg.
		Appropriations as of 12/30/2025									
<b>Automation/Other</b>											
6407000000 - Automation and Technology Master Plan II (Parent)	DPW - Capital Maintenance	3,749,310	494,500	503,000	526,000	525,500	525,500	2,574,500	525,500	6,849,310	0%
6403000003 - MWWTP Fuel Tank Replacement	DPW - Capital Maintenance	-	0	74,000	626,000	0	0	700,000	0	700,000	New
<b>Sub Total</b>		<b>3,749,310</b>	<b>494,500</b>	<b>577,000</b>	<b>1,152,000</b>	<b>525,500</b>	<b>525,500</b>	<b>3,274,500</b>	<b>525,500</b>	<b>7,549,310</b>	
		<b>76,840,100</b>	<b>29,410,000</b>	<b>46,243,000</b>	<b>61,425,000</b>	<b>50,942,000</b>	<b>26,343,000</b>	<b>214,363,000</b>	<b>230,234,500</b>	<b>521,437,600</b>	
6049006999 - Water Contingency		9,798,270	0	1,868,000	3,919,000	4,470,000	2,956,000	13,213,000	31,598,000	54,609,270	
<b>TOTAL WATER</b>		<b>86,638,370</b>	<b>29,410,000</b>	<b>48,111,000</b>	<b>65,344,000</b>	<b>55,412,000</b>	<b>29,299,000</b>	<b>227,576,000</b>	<b>261,832,500</b>	<b>576,046,870</b>	

**SEWER PROJECTS**

**Studies**

7070007133 - Sewer Easement Study and Acquisition	PGM	590,000	156,000	206,000	256,000	256,000	256,000	1,130,000	0	1,720,000	175%
7070007178 - Dynamic Sewer Model Update	PGM	532,970	6,000	106,000	6,000	0	0	118,000	0	650,970	Added
<b>Sub Total</b>		<b>1,122,970</b>	<b>162,000</b>	<b>312,000</b>	<b>262,000</b>	<b>256,000</b>	<b>256,000</b>	<b>1,248,000</b>	<b>0</b>	<b>2,370,970</b>	

**New/Additional Capacity**

7071007088 - Hughesville Package Treatment Plant	PGM	9,489,000	231,000	4,344,000	6,627,000	6,627,000	6,627,000	24,456,000	0	33,945,000	-17%
7071007109 - Zekiah Interceptor Sewer Upgrades	PGM	4,660,000	4,774,000	1,039,000	0	0	0	5,813,000	0	10,473,000	41%
7071007138 - Hughesville Sewer Collection System	PGM	4,465,000	231,000	3,065,000	6,077,000	6,077,000	6,077,000	21,527,000	0	25,992,000	-27%
6400000003 - Reclaimed Water Elevated Storage Tank	DPW - Capital Maintenance	190,500	163,000	225,000	1,581,000	2,773,000	2,773,000	7,515,000	0	7,705,500	0%
<b>Sub Total</b>		<b>18,804,500</b>	<b>5,399,000</b>	<b>8,673,000</b>	<b>14,285,000</b>	<b>15,477,000</b>	<b>15,477,000</b>	<b>59,311,000</b>	<b>-</b>	<b>78,115,500</b>	

**Upgrades/Improvements**

7405000001 - MWWTP Headworks Improvements	DPW - Capital Maintenance	2,812,000	156,000	6,579,000	6,855,000	1,887,000	0	15,477,000	0	18,289,000	0%
7405007078 - MWWTP Electrical System Replacement Study	DPW - Capital Maintenance	30,597,010	2,762,000	525,000	0	0	0	3,287,000	0	33,884,010	0%
7405007101 - MWWTP Utility Water System Evaluation and Improvements	DPW - Capital Maintenance	3,682,000	156,000	231,000	231,000	1,229,000	2,008,000	3,855,000	0	7,537,000	0%
7405007130 - MWWTP Septage Receiving Facility Improvements	DPW - Capital Maintenance	4,286,000	131,000	1,087,000	5,213,000	2,038,000	0	8,469,000	0	12,755,000	0%
7405007164 - MWWTP Effluent Filters Improvements	DPW - Capital Maintenance	16,878,000	12,228,000	12,397,000	0	0	0	24,625,000	0	41,503,000	0%
7409100000 - MWWTP Process Improvements (Parent)	DPW - Capital Maintenance	8,052,080	836,000	3,919,000	8,344,000	40,404,000	40,404,000	93,907,000	158,538,000	260,497,080	0%
7409200000 - MWWTP BNR Improvements (Parent)	DPW - Capital Maintenance	8,327,000	131,000	306,000	306,000	2,966,000	4,070,000	7,779,000	9,332,000	25,438,000	-49%
6403000003 - MWWTP Fuel Tank Replacement	DPW - Capital Maintenance	-	0	75,000	625,000	0	0	700,000	0	700,000	New
<b>Sub Total</b>		<b>74,634,090</b>	<b>16,400,000</b>	<b>25,119,000</b>	<b>21,574,000</b>	<b>48,524,000</b>	<b>46,482,000</b>	<b>158,099,000</b>	<b>167,870,000</b>	<b>400,603,090</b>	

**Pump Stations**

7076007107 - WURC: Zekiah Pump Station Upgrade	PGM	4,259,000	61,000	7,702,000	7,702,000	3,855,000	0	19,320,000	0	23,579,000	27%
7076007108 - WURC: Zekiah Pump Station Forcemain	PGM	2,601,000	59,000	1,546,000	1,546,000	777,000	0	3,928,000	0	6,529,000	64%
7406000000 - Pump Station Rehabs and Replacements (Parent)	DPW - Capital Maintenance	5,263,860	6,481,000	5,708,000	3,046,000	2,650,000	2,621,000	20,506,000	2,621,000	28,390,860	0%
7405007167 - MWWTP Effluent Pump Station Forcemain Surge Management System	DPW - Capital Maintenance	3,744,000	386,000	386,000	5,486,000	5,495,000	0	11,753,000	0	15,497,000	0%
<b>Sub Total</b>		<b>15,867,860</b>	<b>6,987,000</b>	<b>15,342,000</b>	<b>17,780,000</b>	<b>12,777,000</b>	<b>2,621,000</b>	<b>55,507,000</b>	<b>2,621,000</b>	<b>73,995,860</b>	

BLUE represents new projects.

RED represents projects that were previously fully funded and now require additional funds.

ITALICS represents projects that are split between Water and Sewer.

**PROPOSED WATER AND SEWER CAPITAL IMPROVEMENT PLAN  
FY2027 TO FY2031**

Proposal Name	Project Manager	Prior	FY2027 Expenses	FY2028 Expenses	FY2029 Expenses	FY2030 Expenses	FY2031 Expenses	5 yr total	Beyond FY2031	Total Project	27-'30 % Chg.
		Appropriations as of 12/30/2025									
<b>Infiltration/Inflow</b>											
7404000000 - Mattawoman Infiltration and Inflow Phase II (Parent)	DPW - Capital Expansion	10,177,770	756,000	756,000	956,000	756,000	756,000	3,980,000	0	14,157,770	-38%
	<b>Sub Total</b>	<b>10,177,770</b>	<b>756,000</b>	<b>756,000</b>	<b>956,000</b>	<b>756,000</b>	<b>756,000</b>	<b>3,980,000</b>	<b>-</b>	<b>14,157,770</b>	
<b>Automation</b>											
7405007083 - Mattawoman WWTP Automation	DPW - Capital Maintenance	14,939,000	581,000	221,000	0	0	0	802,000	0	15,741,000	0%
6407000000 - Automation and Technology Master Plan II (Parent)	DPW - Capital Maintenance	1,874,655	494,500	502,000	526,000	525,500	525,500	2,573,500	525,500	4,973,655	0%
	<b>Sub Total</b>	<b>16,813,655</b>	<b>1,075,500</b>	<b>723,000</b>	<b>526,000</b>	<b>525,500</b>	<b>525,500</b>	<b>3,375,500</b>	<b>525,500</b>	<b>20,714,655</b>	
<b>New Buildings</b>											
6400000001 - Utilities Waldorf Regional Facility	DPW - Capital Maintenance	412,500	1,702,500	3,441,000	323,000	43,000	0	5,509,500	0	5,922,000	584%
6400000002 - Utilities Professional Development Training Center	DPW - Capital Maintenance	-	0	0	123,000	396,500	380,500	900,000	0	900,000	0%
	<b>Sub Total</b>	<b>412,500</b>	<b>1,702,500</b>	<b>3,441,000</b>	<b>446,000</b>	<b>439,500</b>	<b>380,500</b>	<b>6,409,500</b>	<b>-</b>	<b>6,822,000</b>	
<b>Satellite Facilities/Other Improvements</b>											
7407000000 - Satellite Wastewater Facility Upgrades (Parent)	DPW - Capital Maintenance	9,299,060	2,447,000	2,195,000	1,793,000	1,332,000	1,341,000	9,108,000	1,341,000	19,748,060	0%
7402007080 - White Plains Failing Septic Sewer Installation	DPW - Capital Expansion	4,637,000	20,000	0	0	0	0	20,000	0	4,657,000	Added
7402007123 - Clifton WWTP Improvements	DPW - Capital Maintenance	14,615,000	752,000	1,217,000	752,000	0	0	2,721,000	0	17,336,000	0%
7402007132 - Post Office Road Sewer Capacity Improvements	DPW - Capital Maintenance	7,586,000	81,000	827,000	0	0	0	908,000	0	8,494,000	0%
	<b>Sub Total</b>	<b>36,137,060</b>	<b>3,300,000</b>	<b>4,239,000</b>	<b>2,545,000</b>	<b>1,332,000</b>	<b>1,341,000</b>	<b>12,757,000</b>	<b>1,341,000</b>	<b>50,235,060</b>	
7040007999 - Sewer Contingency		18,040,940	0	2,368,000	3,725,000	7,027,000	7,613,000	20,733,000	23,655,000	62,428,940	
<b>TOTAL SEWER</b>		<b>192,011,345</b>	<b>35,782,000</b>	<b>60,973,000</b>	<b>62,099,000</b>	<b>87,114,000</b>	<b>75,452,000</b>	<b>321,420,000</b>	<b>196,012,500</b>	<b>709,443,845</b>	
<b>Total Water and Sewer</b>		<b>278,649,715</b>	<b>65,192,000</b>	<b>109,084,000</b>	<b>127,443,000</b>	<b>142,526,000</b>	<b>104,751,000</b>	<b>548,996,000</b>	<b>457,845,000</b>	<b>1,285,490,715</b>	

BLUE represents new projects.  
 RED represents projects that were previously fully funded and now require additional funds.  
 ITALICS represents projects that are split between Water and Sewer.