

# **Cash Flow Projections FY 2023 to FY 2032**



**CAPITAL IMPROVEMENT PROGRAM**  
 FY23 TO FY32 (\$,000)  
 Based on Program Cost Estimates (Project Contingencies not Included)

	Regulatory Type	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	Proj Exp to Prev Yr	Sum FY23 to FY32	Est Program Cost
<b>Administration</b>														
PR_AD012500 Cybersecurity Practice and Procedure Initiative	None	\$4,196	\$4,196	\$3,846	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,261	\$12,239	\$15,500
PR_AD012600 Central Environmental Laboratory Expansion and Rehabilitation	None	\$2,278	\$6,572	\$10,404	\$4,393	\$42	\$0	\$0	\$0	\$0	\$0	\$867	\$23,689	\$24,556
PR_AD012700 Capital Improvement Program Labor Program	None	\$0	\$3,634	\$3,634	\$3,634	\$3,634	\$3,634	\$3,634	\$3,634	\$3,634	\$3,331	\$0	\$32,400	\$32,400
PR_AD012710 Capital Improvement Program Internal Labor FY23	None	\$3,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,600	\$3,600
<b>Administration Subtotal</b>		<b>\$10,074</b>	<b>\$14,402</b>	<b>\$17,884</b>	<b>\$8,027</b>	<b>\$3,675</b>	<b>\$3,634</b>	<b>\$3,634</b>	<b>\$3,634</b>	<b>\$3,634</b>	<b>\$3,331</b>	<b>\$4,128</b>	<b>\$71,928</b>	<b>\$76,056</b>
<b>Army Base</b>														
PR_AB010000 Army Base 24-Inch and 20-Inch Transmission Main Replacements	Rehab Plan Phase Two	\$4,324	\$7,095	\$1,216	\$7	\$0	\$0	\$0	\$0	\$0	\$0	\$1,643	\$12,641	\$14,284
PR_AB010500 Section W Force Main Replacement	None	\$487	\$788	\$144	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$184	\$1,422	\$1,606
PR_AB011800 Army Base to VIP Transmission Force Main	Integrated Plan-SWIFT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,895	\$27,275	\$0	\$44,169	\$44,169
PR_AB011900 Army Base Treatment Plant Administration Building Renovation (2021)	None	\$926	\$591	\$7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$142	\$1,524	\$1,666
PR_AB012000 Wards Corner Sanitary Sewer Pumping Station	None	\$1,450	\$2,880	\$1,680	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,010	\$6,010
<b>Army Base Subtotal</b>		<b>\$7,187</b>	<b>\$11,354</b>	<b>\$3,046</b>	<b>\$9</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$16,895</b>	<b>\$27,275</b>	<b>\$1,969</b>	<b>\$65,766</b>	<b>\$67,735</b>
<b>Atlantic</b>														
PR_AT011520 Shippis Corner Pressure Reducing Station Modifications	Rehab Plan Phase Two	\$913	\$523	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$68	\$1,436	\$1,503
PR_AT011900 Great Bridge Interceptor Extension 16-Inch Replacement	Rehab Plan Phase Two	\$400	\$3,118	\$4,798	\$46	\$0	\$0	\$0	\$0	\$0	\$0	\$319	\$8,361	\$8,680
PR_AT012920 Atlantic Treatment Plant Access Road Extension	None	\$1,456	\$2,931	\$4,200	\$1,400	\$0	\$0	\$0	\$0	\$0	\$0	\$483	\$9,987	\$10,470
PR_AT013000 Washington District Pump Station Area Sanitary Sewer Improvements	Rehab Plan Phase Two	\$1,626	\$1,771	\$1,771	\$756	\$15	\$0	\$0	\$0	\$0	\$0	\$539	\$5,937	\$6,476
PR_AT013010 Washington District Pump Station Replacement	Rehab Plan Phase Two	\$1,269	\$4,935	\$3,296	\$13	\$0	\$0	\$0	\$0	\$0	\$0	\$457	\$9,513	\$9,971
PR_AT013110 South Norfolk Area Gravity Sewer Improvements, Phase II	Rehab Plan Phase Two	\$3,296	\$6,923	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$614	\$10,219	\$10,833
PR_AT013700 Atlantic Trunk Interceptor Force Main Relocation-VDOT Laskin Road Betterment	None	\$248	\$36	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$329	\$284	\$613
PR_AT014000 Lynnhaven-Great Neck IFM (SF-021) Relocation	None	\$0	\$523	\$1,046	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$355	\$1,569	\$1,924
PR_AT014100 Suffolk Regional Landfill Transmission Force Main	None	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,641	\$4,000	\$5,641
PR_AT014301 Atlantic Service Area I/II Reduction Phase I (CHES)	Integrated Plan-HPP 1	\$858	\$865	\$3,196	\$7,405	\$20	\$0	\$0	\$0	\$0	\$0	\$519	\$12,344	\$12,864
PR_AT014302 Atlantic Service Area I/II Reduction Phase II (CHES)	Integrated Plan-HPP 1	\$977	\$702	\$1,166	\$6,850	\$1,160	\$4	\$0	\$0	\$0	\$0	\$231	\$10,859	\$11,090
PR_AT014303 Chesapeake Pump Station Capacity Improvements (AT-HPP-01C)	Integrated Plan-HPP 1	\$0	\$0	\$0	\$52	\$187	\$696	\$0	\$0	\$0	\$0	\$0	\$935	\$935
PR_AT014600 Kempsville Interceptor Force Main Replacement - Phase I	None	\$241	\$389	\$2,770	\$2,456	\$7	\$0	\$0	\$0	\$0	\$0	\$30	\$5,864	\$5,894
PR_AT014800 Atlantic Treatment Plant Electrical Workspace Renovation	None	\$315	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$240	\$315	\$555
PR_AT014900 Atlantic Treatment Plant Gravity Belt Thickener Expansion	None	\$3,102	\$1,963	\$14	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$415	\$5,079	\$5,495
PR_AT015000 Atlantic Treatment Plant Polymer System Replacement	None	\$1,392	\$890	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$193	\$2,289	\$2,482
PR_AT015100 Atlantic Treatment Plant Solids Storage Pad Improvements	None	\$511	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$362	\$513	\$875
PR_AT015200 Cedar Road Interceptor Force Main Replacement Phase I	None	\$235	\$352	\$2,912	\$2,520	\$29	\$0	\$0	\$0	\$0	\$0	\$36	\$6,047	\$6,084
PR_AT015300 High Priority Projects Round 2 Project 2	Integrated Plan-HPP 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,610	\$1,450	\$0	\$4,060	\$4,060
PR_AT015400 Dozers Corner Pump Station Replacement	Rehab Plan Phase Two	\$745	\$2,874	\$3,818	\$337	\$2	\$0	\$0	\$0	\$0	\$0	\$95	\$7,775	\$7,871
PR_AT015500 ATP Secondary Clarifier Effluent Weir Replacement and Enhancements	None	\$824	\$824	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,648	\$1,648
PR_AT015600 ATP Solids Handling Improvements and Odor Control Upgrades Phase I	None	\$2,429	\$8,430	\$14,000	\$1,167	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,025	\$26,025
PR_AT015700 Atlantic Plant Solids Handling Improvements Waste Gas Flare Replacement	None	\$414	\$1,977	\$4,000	\$333	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,725	\$6,725
<b>Atlantic Subtotal</b>		<b>\$25,251</b>	<b>\$40,027</b>	<b>\$46,993</b>	<b>\$23,334</b>	<b>\$1,420</b>	<b>\$700</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,610</b>	<b>\$1,450</b>	<b>\$6,927</b>	<b>\$141,784</b>	<b>\$148,712</b>
<b>Boat Harbor</b>														
PR_BH013020 Willard Avenue Pump Station Replacement	None	\$4,887	\$4,887	\$1,235	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$1,535	\$11,010	\$12,544
PR_BH014000 West Avenue and 35th Street Interceptor Force Main Replacement	Rehab Plan Phase Two	\$2,400	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$525	\$2,405	\$2,930
PR_BH014220 Hampton Trunk Sewer Extension Divisions I and J Relocation Phase II	None	\$6,139	\$6,139	\$1,548	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$3,159	\$13,828	\$16,987
PR_BH014500 Ivy Home-Shell Road Sewer Extension Division I Replacement	Rehab Plan Phase Two	\$85	\$1,724	\$161	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$119	\$1,969	\$2,088
PR_BH014600 46th Street Diversion Sewer Rehabilitation/Replacement	Rehab Plan Phase Two	\$2,852	\$1,673	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,692	\$4,531	\$6,224
PR_BH014610 46th Street Diversion Sewer Rehabilitation Replacement, HII-NNS	Rehab Plan Phase Two	\$1,463	\$731	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$366	\$2,194	\$2,560
PR_BH014900 Hampton Trunk Sewer Extension Division K Gravity Improvements	Rehab Plan Phase Two	\$889	\$889	\$236	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$466	\$2,015	\$2,481
PR_BH015700 Boat Harbor Treatment Plant Pump Station Conversion	Integrated Plan-SWIFT	\$5,133	\$26,750	\$24,889	\$2,951	\$0	\$0	\$0	\$0	\$0	\$0	\$7,480	\$59,724	\$67,204
PR_BH015710 Boat Harbor Treatment Plant Transmission Force Main Section 1 (Subaqueous)	Integrated Plan-SWIFT	\$8,145	\$52,595	\$60,390	\$5,977	\$0	\$0	\$0	\$0	\$0	\$0	\$1,872	\$127,107	\$128,979

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PR_BH015720 Boat Harbor Treatment Plant Transmission Force Main Section 2 (Land)	Integrated Plan-SWIFT	\$3,836	\$8,357	\$8,390	\$4,241	\$0	\$0	\$0	\$0	\$0	\$0	\$1,694	\$24,824	\$26,518
PR_BH015730 Boat Harbor Treatment Plant Decommission and Demolition	Integrated Plan-SWIFT	\$0	\$516	\$1,866	\$244	\$10,000	\$10,000	\$6,000	\$0	\$0	\$0	\$0	\$28,626	\$28,626
PR_BH015801 14th Street Offline Storage (BH-HPP-01A)	Integrated Plan-HPP 1	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$500
PR_BH015802 Claremont Pump Station Upgrade (BH-HPP-01B)	Integrated Plan-HPP 1	\$0	\$0	\$0	\$308	\$986	\$10,755	\$0	\$0	\$0	\$0	\$0	\$12,049	\$12,049
PR_BH015803 Chesapeake Avenue Interceptor Improvements (BH-HPP-01C)	Integrated Plan-HPP 1	\$0	\$0	\$0	\$1,310	\$2,115	\$12,852	\$0	\$0	\$0	\$0	\$0	\$16,277	\$16,277
PR_BH015900 Bloxoms Corner Force Main Replacement	Rehab Plan Phase Two	\$4,562	\$385	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$764	\$4,947	\$5,711
PR_BH016100 High Priority Projects Round 2 Project 3	Integrated Plan-HPP 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PR_BH016200 Inflow Reduction Program-Phase II	None	\$0	\$250	\$2,200	\$2,500	\$2,500	\$2,550	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
<b>Boat Harbor Subtotal</b>		<b>\$40,891</b>	<b>\$104,901</b>	<b>\$100,922</b>	<b>\$17,535</b>	<b>\$15,601</b>	<b>\$36,157</b>	<b>\$6,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$19,673</b>	<b>\$322,006</b>	<b>\$341,679</b>
<b>Chesapeake-Elizabeth</b>														
PR_CE011300 Birchwood Trunk 24-Inch and 30-Inch FM at Independence Blvd Replacement Ph II	Rehab Plan Phase Two	\$591	\$1,003	\$7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$120	\$1,601	\$1,720
PR_CE011600 Poplar Hall Davis Corner Trunk 24-Inch Gravity Sewer Improvements	Rehab Plan Phase Two	\$288	\$1,651	\$9	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104	\$1,948	\$2,052
PR_CE011810 Chesapeake-Elizabeth Treatment Plant Decommissioning	None	\$2,229	\$5,529	\$3,517	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$222	\$11,274	\$11,497
PR_CE011827 Atlantic PRS Reliability Modifications	Nutrient Reduction	\$304	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,762	\$304	\$9,066
PR_CE011828 Kempsville PRS Reliability Modifications	Nutrient Reduction	\$94	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,863	\$94	\$4,957
PR_CE011835 Virginia Beach City Pump Station Upgrades, Phase V	Nutrient Reduction	\$1,250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$363	\$1,250	\$1,613
PR_CE011836 Norfolk City Pump Station Upgrades	Nutrient Reduction	\$588	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$118	\$588	\$706
PR_CE011837 Private Pump Station Improvements	Nutrient Reduction	\$615	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$819	\$615	\$1,434
PR_CE011850 Atlantic Service Area Automated Diversion Facilities Ph I	None	\$24	\$24	\$24	\$12	\$0	\$0	\$0	\$0	\$0	\$0	\$2,089	\$82	\$2,171
PR_CE012100 Witchduck Rd IFM Improvements	None	\$90	\$480	\$0	\$30	\$3,348	\$3,069	\$0	\$0	\$0	\$0	\$0	\$7,017	\$7,017
<b>Chesapeake-Elizabeth Subtotal</b>		<b>\$6,072</b>	<b>\$8,687</b>	<b>\$3,556</b>	<b>\$42</b>	<b>\$3,348</b>	<b>\$3,069</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$17,460</b>	<b>\$24,773</b>	<b>\$42,233</b>
<b>Eastern Shore</b>														
PR_ES010000 Eastern Shore Infrastructure Improvements - Interim Plant Improvements	None	\$1,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200	\$1,200
PR_ES010100 Eastern Shore Infrastructure Improvements - Transmission Force Main Phase I	None	\$16,376	\$4,102	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,407	\$20,480	\$24,887
PR_ES010200 Eastern Shore Infrastructure Improvements - Transmission Force Main Phase II	None	\$0	\$0	\$0	\$0	\$0	\$0	\$3,480	\$2,190	\$3,240	\$3,078	\$0	\$11,988	\$11,988
PR_ES010300 Onancock Treatment Plant Administration Building Upgrade	None	\$36	\$454	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18	\$490	\$508
PR_ES010400 Northern Accomack Wastewater Conveyance, Treatment, and Disposal Study	None	\$237	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$193	\$237	\$430
PR_ES010500 Chincoteague Treatment Plant	None	\$2,767	\$6,000	\$5,600	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$143	\$14,867	\$15,010
PR_ES010600 Onancock Meter Replacement	None	\$32	\$272	\$1,872	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,176	\$2,176
PR_ES010700 Onancock Carnival Grounds Gravity Sewer Extension	None	\$134	\$582	\$183	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$898	\$898
<b>Eastern Shore Subtotal</b>		<b>\$20,782</b>	<b>\$11,409</b>	<b>\$7,657</b>	<b>\$500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,480</b>	<b>\$2,190</b>	<b>\$3,240</b>	<b>\$3,078</b>	<b>\$4,761</b>	<b>\$52,336</b>	<b>\$57,097</b>
<b>James River</b>														
PR_JR011730 Jefferson Avenue Interceptor Force Main Replacement Phase III	None	\$9,970	\$7,485	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,196	\$17,458	\$18,654
PR_JR013000 Morrison Pump Station Discharge Force Main Replacement and Capacity Enhancements	None	\$562	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,754	\$562	\$2,316
PR_JR013200 Lucas Creek-Woodhaven Interceptor Force Main Replacement Phase II	None	\$569	\$1,457	\$10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$253	\$2,036	\$2,289
PR_JR013400 JRTP Advanced Nutrient Reduction Improvements	Integrated Plan-SWIFT	\$70,362	\$88,255	\$56,111	\$17,843	\$708	\$0	\$0	\$0	\$0	\$0	\$27,083	\$233,279	\$260,362
PR_JR013401 James River Treatment Plant MIFAS Conversion Emergency	None	\$1,493	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,007	\$1,493	\$4,500
PR_JR013410 James River Treatment Plant Outfall Modifications	Integrated Plan-SWIFT	\$0	\$750	\$189	\$206	\$206	\$0	\$0	\$0	\$0	\$0	\$0	\$1,350	\$1,350
PR_JR013500 Lucas Creek Pump Station Replacement	Rehab Plan Phase Two	\$4,771	\$4,771	\$1,989	\$2	\$2	\$0	\$0	\$0	\$0	\$0	\$1,710	\$11,535	\$13,244
PR_JR013610 James River Treatment Plant Primary Treatment and Automation Improvements	None	\$1,643	\$2,554	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$373	\$4,198	\$4,570
PR_JR013620 James River Treatment Plant Primary Treatment and Automation Improvements Ph II	None	\$0	\$0	\$227	\$830	\$4,919	\$4,373	\$0	\$0	\$0	\$0	\$0	\$10,349	\$10,349
PR_JR013700 High Priority Projects Round 2 Project 6	Integrated Plan-HPP 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PR_JR013800 James River Treatment Plant Shoreline Stabilization	Integrated Plan-SWIFT	\$2,196	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$608	\$2,196	\$2,805
PR_JR014000 Center Avenue Force Main Replacement	None	\$473	\$314	\$1,569	\$5	\$10,518	\$5,264	\$0	\$0	\$0	\$0	\$0	\$18,144	\$18,144
<b>James River Subtotal</b>		<b>\$92,041</b>	<b>\$105,586</b>	<b>\$60,098</b>	<b>\$18,886</b>	<b>\$16,353</b>	<b>\$9,637</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,983</b>	<b>\$302,600</b>	<b>\$338,584</b>
<b>Middle Peninsula</b>														
PR_MP011700 Middle Peninsula Interceptor Systems PS Control and SCADA Upgrades/Enhancements	None	\$1,814	\$312	\$11	\$11	\$8	\$0	\$0	\$0	\$0	\$0	\$2,519	\$2,156	\$4,675
PR_MP012000 King William Treatment Plant Improvements Phase I	None	\$189	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,918	\$190	\$2,108

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PR_MP013000 Small Communities Collection System Rehabilitation Phase I	None	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$554	\$30	\$584
PR_MP013020 Small Communities Collection System Rehabilitation Phase III	None	\$480	\$599	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8	\$1,083	\$1,091
PR_MP013300 King William Treatment Plant Improvements Phase II	None	\$1,652	\$12,659	\$13,917	\$31	\$0	\$0	\$0	\$0	\$0	\$0	\$586	\$28,258	\$28,844
PR_MP013400 Small Communities Operation Center Parking and Laydown Area	None	\$174	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$396	\$174	\$570
PR_MP013500 Middlesex Collection System-Cooks Corner	None	\$1,484	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$585	\$1,488	\$2,073
PR_MP013710 Middlesex Interceptor System Program Phase II-Saluda Pump Station	None	\$440	\$621	\$621	\$212	\$0	\$0	\$0	\$0	\$0	\$0	\$201	\$1,893	\$2,095
PR_MP013720 Middlesex Interceptor System Program Phase II-Hartfield Pump Station	None	\$1,416	\$2,024	\$680	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$385	\$4,120	\$4,505
PR_MP013730 Middlesex Interceptor System Program Phase II-Transmission Force Main	None	\$8,805	\$12,761	\$4,259	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,440	\$25,825	\$28,265
PR_MP013810 Middlesex Interceptor System Program Phase III (Deltaville)	None	\$182	\$1,377	\$686	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$152	\$2,244	\$2,396
PR_MP013820 Middlesex Interceptor System Program Phase III (Topping)	None	\$108	\$1,047	\$104	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$77	\$1,261	\$1,338
PR_MP013900 Urbanna Wastewater Treatment Plant Reliability Improvements	None	\$0	\$21	\$228	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$80	\$249	\$329
PR_MP014100 Middlesex Collection System-Christ's Church Service Area	None	\$0	\$113	\$0	\$699	\$321	\$0	\$0	\$0	\$0	\$0	\$0	\$1,133	\$1,133
PR_MP014200 Middlesex Collection System-Topping Service Area Phase I	None	\$252	\$2,777	\$558	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$105	\$3,589	\$3,694
PR_MP014300 Middlesex Collection System-Locust Hill Service Area	None	\$375	\$2,935	\$600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,910	\$3,910
PR_MP014410 Middlesex County Hartfield Sewer Collection System - Phase I Improvements	None	\$1,150	\$1,865	\$161	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$175	\$3,176	\$3,351
PR_MP014500 Middlesex Collection System-Saluda Service Area	None	\$0	\$0	\$318	\$0	\$2,043	\$935	\$0	\$0	\$0	\$0	\$0	\$3,295	\$3,295
PR_MP014510 Middlesex County Saluda Sewer Collection System - Phase I	None	\$134	\$191	\$21	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$62	\$345	\$408
PR_MP014600 Middlesex Collection System-Deltaville Service Area	None	\$1,374	\$12,194	\$2,487	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$572	\$16,055	\$16,627
PR_MP014700 Small Communities Rehabilitation Phase IV	None	\$1,712	\$630	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$145	\$2,344	\$2,489
PR_MP014800 Small Communities Rehabilitation Phase V	None	\$116	\$429	\$40	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50	\$585	\$635
PR_MP014900 Middle Peninsula Operations Center Locker Room and Administrative Facilities	None	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,968	\$5	\$1,973
PR_MP015000 Sharon Road Gravity Sewer Improvements	None	\$488	\$379	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$98	\$869	\$967
PR_MP015100 West Point Pump Station 4 (Thompson Avenue) Rehabilitation	None	\$521	\$285	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$229	\$808	\$1,037
PR_MP015300 King William Central Crossing Pump Station Rehabilitation	None	\$155	\$716	\$63	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$64	\$935	\$999
PR_MP015400 Middlesex Interceptor System Program Phase IV	None	\$0	\$0	\$114	\$179	\$2,431	\$2	\$2	\$2	\$0	\$0	\$0	\$2,729	\$2,729
PR_MP015500 Small Communities Rehabilitation Phase VI	None	\$181	\$909	\$80	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$77	\$1,170	\$1,247
PR_MP015600 West Point Treatment Plant Final Effluent Pump Station Improvements	None	\$118	\$514	\$47	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50	\$680	\$730
PR_MP015700 West Point Treatment Plant Secondary Clarifier Improvements	None	\$135	\$600	\$55	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$60	\$790	\$850
PR_MP015800 King William Main Pump Station Improvements	None	\$87	\$236	\$1,116	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,439	\$1,439
<b>Middle Peninsula Subtotal</b>		<b>\$23,576</b>	<b>\$56,198</b>	<b>\$26,175</b>	<b>\$1,137</b>	<b>\$4,803</b>	<b>\$936</b>	<b>\$2</b>	<b>\$2</b>	<b>\$0</b>	<b>\$0</b>	<b>\$13,557</b>	<b>\$112,828</b>	<b>\$126,385</b>
<b>Nansemond</b>														
PR_NP010620 Suffolk Pump Station Replacement	Rehab Plan Phase Two	\$14	\$6,936	\$8,307	\$6,922	\$0	\$0	\$0	\$0	\$0	\$0	\$2,714	\$22,178	\$24,892
PR_NP012400 Western Branch Sewer System Gravity Improvements	Rehab Plan Phase Two	\$393	\$3,083	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$114	\$3,976	\$4,090
PR_NP013000 Nansemond Treatment Plant Motor Control Center Replacements	None	\$858	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,866	\$858	\$2,724
PR_NP013400 Deep Creek IFM Risk Mitigation	None	\$392	\$65	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,267	\$457	\$3,724
PR_NP013700 Nansemond Treatment Plant Struvite Recovery Facility Improvements	None	\$12,681	\$11,627	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,300	\$24,310	\$29,610
PR_NP013820 Nansemond Treatment Plant Advanced Nutrient Reduction Improvements Phase II	Integrated Plan-SWIFT	\$34,051	\$108,813	\$91,549	\$19,634	\$0	\$0	\$0	\$0	\$0	\$0	\$8,959	\$254,047	\$263,006
PR_NP013901 Nansemond Service Area I/II Reduction Phase II (CHES)	Integrated Plan-HPP 1	\$0	\$0	\$0	\$0	\$1,131	\$1,407	\$6,089	\$8,475	\$17	\$0	\$0	\$17,117	\$17,117
PR_NP013902 Nansemond Service Area I/II Reduction Phase III (CHES)	Integrated Plan-HPP 1	\$0	\$0	\$908	\$1,282	\$2,619	\$4,882	\$4,882	\$2,452	\$11	\$0	\$0	\$17,035	\$17,035
PR_NP014000 Wilroy Pressure Reducing Station and Off-line Storage Facility	Integrated Plan-HPP 1	\$1,367	\$1,161	\$9,977	\$10,875	\$3,625	\$0	\$0	\$0	\$0	\$0	\$465	\$27,005	\$27,470
PR_NP014400 Nansemond Treatment Plant Influent Screen Replacement	None	\$11	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,650	\$11	\$1,661
PR_NP014500 Nansemond Treatment Plant Regional Residuals Facility Upgrade	None	\$52	\$600	\$900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$215	\$1,552	\$1,767
PR_NP014600 West Road Interceptor Force Main Extension	None	\$2,162	\$1,896	\$1,896	\$324	\$2	\$0	\$0	\$0	\$0	\$0	\$934	\$6,280	\$7,214
PR_NP014700 Nansemond Treatment Plant Digester Capacity Upgrades	None	\$14,266	\$13,082	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,729	\$27,352	\$30,082
PR_NP014800 High Priority Projects Round 2 Project 8	Integrated Plan-HPP 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PR_NP014900 Nansemond Treatment Plant Interceptors Storage Yard	None	\$1,488	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$89	\$1,488	\$1,577

**CAPITAL IMPROVEMENT PROGRAM**  
**FY23 TO FY32 (\$,000)**  
Based on Program Cost Estimates (Project Contingencies not Included)

	Regulatory Type	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	Proj Exp to Prev Yr	Sum FY23 to FY32	Est Program Cost
PR_NP015000 Shell Road Interceptor Force Main (SF-144) Segmental Replacement	None	\$575	\$168	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$743	\$743
PR_NP015100 Nansemond Plant Administration Building Replacement	None	\$149	\$2,357	\$6,122	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,627	\$8,627
<b>Nansemond Subtotal</b>		<b>\$68,459</b>	<b>\$149,787</b>	<b>\$120,165</b>	<b>\$39,037</b>	<b>\$7,376</b>	<b>\$6,288</b>	<b>\$10,971</b>	<b>\$10,927</b>	<b>\$28</b>	<b>\$0</b>	<b>\$28,302</b>	<b>\$413,038</b>	<b>\$441,340</b>
<b>Surry</b>														
PR_SU010200 Surry Hydraulic Improvements and Interceptor Force Main	Consent Decree - Surry	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47,512	\$0	\$47,512
PR_SU010400 Surry Force Main and Pump Station-Dominion Power Extension	None	\$643	\$2,375	\$3,528	\$46	\$0	\$0	\$0	\$0	\$0	\$0	\$75	\$6,592	\$6,667
<b>Surry Subtotal</b>		<b>643</b>	<b>2,375</b>	<b>3,528</b>	<b>46</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47,587</b>	<b>6,592</b>	<b>54,178</b>
<b>Virginia Initiative Plant</b>														
PR_VP010920 Norview Estabrook Division I 18-Inch Force Main Replacement Phase II, Section 2	Rehab Plan Phase Two	\$1,119	\$1,397	\$582	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$673	\$3,098	\$3,771
PR_VP014010 Ferebee Avenue Pump Station Replacement	Rehab Plan Phase Two	\$2,584	\$3,818	\$636	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,145	\$7,038	\$8,183
PR_VP014021 Sanitary Sewer Project 1950-Part 1 30-Inch Gravity Sewer	Rehab Plan Phase Two	\$583	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,167	\$583	\$1,750
PR_VP014022 Sanitary Sewer Replacement 1950-Part 2	Rehab Plan Phase Two	\$4,060	\$5,400	\$1,350	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,810	\$10,810
PR_VP014700 Ingleside Road Pump Station Replacement	Rehab Plan Phase Two	\$1,773	\$3,131	\$7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$262	\$4,911	\$5,173
PR_VP014800 Lee Avenue/Wesley Street Horizontal Valve Replacement	Rehab Plan Phase Two	\$114	\$431	\$2,722	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,267	\$3,267
PR_VP015320 Larchmont Area Sanitary Sewer Improvements	Rehab Plan Phase Two	\$15,165	\$21,774	\$21,774	\$3,685	\$44	\$0	\$0	\$0	\$0	\$0	\$5,789	\$62,441	\$68,230
PR_VP015400 Lafayette Norview-Estabrook Pump Station Replacements	Rehab Plan Phase Two	\$17	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,889	\$17	\$2,905
PR_VP015410 City Park Pump Station (PS 106) Replacement	Rehab Plan Phase Two	\$1,381	\$1,526	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3	\$2,908	\$2,910
PR_VP015420 Luxembourg Pump Station (PS 113) Replacement and Ashland Sewer Extension	Rehab Plan Phase Two	\$2,156	\$4,293	\$1,431	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,880	\$7,880
PR_VP015430 Chesapeake Blvd PS (PS 105) Replacement and Norfolk PS (PS 57) Rehabilitation	Rehab Plan Phase Two	\$1,159	\$3,446	\$2,585	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,190	\$7,190
PR_VP016500 Norview-Estabrook Division I 12-Inch Force Main Replacement	Rehab Plan Phase Two	\$741	\$1,160	\$483	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$213	\$2,384	\$2,597
PR_VP016700 Norview-Estabrook Division I 18-Inch Force Main Replacement Phase III	Rehab Plan Phase Two	\$890	\$1,432	\$597	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$189	\$2,920	\$3,109
PR_VP017120 Central Norfolk Area Gravity Sewer Improvements Phase II	Rehab Plan Phase Two	\$189	\$916	\$634	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$212	\$1,745	\$1,957
PR_VP017130 Central Norfolk Area Gravity Sewer Improvements Phase IIA	Rehab Plan Phase Two	\$386	\$2,430	\$1,474	\$19	\$0	\$0	\$0	\$0	\$0	\$0	\$211	\$4,309	\$4,520
PR_VP018000 Park Avenue Pump Station Replacement	Rehab Plan Phase Two	\$4,695	\$6,235	\$520	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,224	\$11,449	\$12,673
PR_VP018200 Effingham Vault Removal and Force Main Rehabilitation	None	\$2,555	\$1,075	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,616	\$3,630	\$5,246
PR_VP018301 VIP Service Area I/I Reduction Phase I (PORTS)	Integrated Plan-HPP 1	\$689	\$1,011	\$4,003	\$7,300	\$20	\$0	\$0	\$0	\$0	\$0	\$143	\$13,023	\$13,166
PR_VP018302 Portsmouth Pump Station Upgrades (VIP-HPP-04B)	Integrated Plan-HPP 1	\$0	\$0	\$0	\$312	\$823	\$6,673	\$3,562	\$0	\$0	\$0	\$0	\$11,369	\$11,369
PR_VP018303 VIP Service Area I/I Reduction Phase III (PORTS)	Integrated Plan-HPP 1	\$689	\$1,011	\$4,003	\$7,300	\$20	\$0	\$0	\$0	\$0	\$0	\$143	\$13,023	\$13,166
PR_VP018304 Camden Avenue Pump Station Upgrades (VIP-HPP-04D)	Integrated Plan-HPP 1	\$0	\$0	\$0	\$182	\$297	\$1,866	\$3,572	\$0	\$0	\$0	\$0	\$5,916	\$5,916
PR_VP018305 Camden Avenue Gravity Improvements (VIP-HPP-04E)	Integrated Plan-HPP 1	\$0	\$470	\$4,666	\$1,716	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,852	\$6,852
PR_VP018400 State Street Pressure Reducing Station and Offline Storage (VIP-HPP-05)	Integrated Plan-HPP 1	\$249	\$249	\$249	\$249	\$614	\$704	\$4,481	\$10,134	\$3,396	\$9	\$104	\$20,336	\$20,440
PR_VP018500 Elizabeth River Crossing Reliability Improvements	None	\$1,102	\$499	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$563	\$1,651	\$2,214
PR_VP018800 Virginia Initiative Plant Administration Building Renovation	None	\$1,880	\$1,281	\$17	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$324	\$3,178	\$3,502
PR_VP018900 Norchester Pump Station Screening Improvements	None	\$326	\$90	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$90	\$417	\$507
PR_VP019000 Colley Avenue Pump Station Pump Replacement	None	\$316	\$372	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$73	\$693	\$766
PR_VP019100 Virginia Initiative Plant Incinerator Burner Replacement	None	\$2,961	\$1,480	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,441	\$4,441
PR_VP019200 Virginia Initiative Plant Motor Control Center Replacements	None	\$1,040	\$433	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$551	\$1,474	\$2,025
PR_VP019300 High Priority Projects Round 2 Project 4	Integrated Plan-HPP 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,471	\$0	\$1,471	\$1,471
PR_VP019400 High Priority Projects Round 2 Project 5	Integrated Plan-HPP 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PR_VP019600 Virginia Initiative Plant Waste Activated Solids Thickening Improvements	None	\$0	\$56	\$692	\$1,172	\$881	\$0	\$0	\$0	\$0	\$0	\$0	\$2,800	\$2,800
<b>Virginia Initiative Plant Subtotal</b>		<b>\$48,818</b>	<b>\$65,418</b>	<b>\$48,481</b>	<b>\$21,941</b>	<b>\$2,698</b>	<b>\$9,242</b>	<b>\$11,615</b>	<b>\$10,134</b>	<b>\$3,396</b>	<b>\$1,480</b>	<b>\$17,581</b>	<b>\$223,224</b>	<b>\$240,805</b>
<b>Williamsburg</b>														
PR_WB012500 Lodge Road Pump Station Upgrades	None	\$44	\$177	\$921	\$554	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$1,699	\$1,699
PR_WB012600 Kingsmill PS Piping Replacement and Wet Well Rehabilitation	None	\$810	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,790	\$810	\$4,600
PR_WB012900 Williamsburg Treatment Plant Administration Building Renovation	None	\$1,770	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,788	\$1,775	\$3,563
PR_WB013000 Williamsburg Treatment Plant Intermediate Clarifier Wet Weather System	None	\$139	\$272	\$1,673	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,088	\$2,088
PR_WB013100 Williamsburg Treatment Plant Outfall Flow Control System Repairs	None	\$201	\$1,355	\$1	\$1	\$1	\$0	\$0	\$0	\$0	\$0	\$91	\$1,561	\$1,652
PR_WB013200 High Priority Projects Round 2 Project 1	Integrated Plan-HPP 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,345	\$6,634	\$0	\$12,979	\$12,979

**CAPITAL IMPROVEMENT PROGRAM**  
**FY23 TO FY32 (\$,000)**  
Based on Program Cost Estimates (Project Contingencies not Included)

	Regulatory Type	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	Proj Exp to Prev Yr	Sum FY23 to FY32	Est Program Cost
PR_WB013300 Williamsburg Treatment Plant Motor Control Center Replacements	None	\$241	\$307	\$246	\$219	\$706	\$913	\$0	\$0	\$0	\$0	\$0	\$2,633	\$2,633
<b>Williamsburg Subtotal</b>		<b>\$3,205</b>	<b>\$2,117</b>	<b>\$2,841</b>	<b>\$778</b>	<b>\$711</b>	<b>\$913</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,345</b>	<b>\$6,634</b>	<b>\$5,669</b>	<b>\$23,544</b>	<b>\$29,213</b>
<b>York River</b>														
PR_YR010300 Foxridge, Woodland Road and Fox Hill Road Gravity Sewer Rehabilitation	Rehab Plan Phase Two	\$1,027	\$2,060	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$195	\$3,092	\$3,286
PR_YR010520 Magruder Mercury Interceptor Force Main Replacement-Section B	None	\$829	\$3,446	\$865	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$474	\$5,142	\$5,616
PR_YR010530 Magruder Mercury Interceptor Force Main Replacement-Section C	None	\$65	\$571	\$3,448	\$2,151	\$0	\$0	\$0	\$0	\$0	\$0	\$36	\$6,235	\$6,271
PR_YR010900 Tabb Pressure Reducing Station and Offline Storage Facility	None	\$18,327	\$6,114	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,953	\$24,441	\$30,393
PR_YR011900 Bethel-Poquoson Force Main Part III Replacement	None	\$202	\$169	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$646	\$371	\$1,017
PR_YR013900 York River System Isolation Valve Installation and Replacement	None	\$2,912	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,895	\$2,912	\$4,807
PR_YR014000 York River Treatment Plant Administration Building Renovation	None	\$3,382	\$2,538	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$623	\$5,923	\$6,546
PR_YR014100 Coliseum Pressure Reducing Station Enhanced Storage	None	\$55	\$0	\$492	\$6,704	\$834	\$0	\$0	\$0	\$0	\$0	\$195	\$8,086	\$8,280
PR_YR014200 LaSalle Avenue Boat Harbor to York River Interconnect Force Main	None	\$0	\$1,020	\$1,582	\$11,367	\$2,846	\$1	\$0	\$0	\$0	\$0	\$207	\$16,816	\$17,023
PR_YR014300 Bethel-Poquoson Force Main Phase II (Wythe Creek Road) Replacement	None	\$1,022	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,817	\$1,023	\$2,840
PR_YR014600 Bethel-Poquoson Force Main Part IV Replacement-Wythe Creek Exposed Crossing	None	\$694	\$685	\$1	\$1	\$1	\$0	\$0	\$0	\$0	\$0	\$97	\$1,383	\$1,480
PR_YR014700 Coliseum PRS Off-Line Storage Tank Odor Control Upgrades	None	\$386	\$420	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$87	\$807	\$895
PR_YR014800 York River Treatment Plant Primary Clarifier Influent and Effluent Pipe Rehab	None	\$2,976	\$820	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$297	\$3,796	\$4,093
PR_YR014900 York River DEMON Upgrades	None	\$83	\$250	\$167	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$500
<b>York River Subtotal</b>		<b>\$31,959</b>	<b>\$18,093</b>	<b>\$6,566</b>	<b>\$20,225</b>	<b>\$3,682</b>	<b>\$1</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,521</b>	<b>\$80,527</b>	<b>\$93,047</b>
<b>General</b>														
PR_GN010730 Horizontal Valve Replacement Phase III	Rehab Plan Phase Two	\$45	\$159	\$1,009	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,213	\$1,213
PR_GN013300 Treatment Plant Grease Handling Facilities	None	\$2,255	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,571	\$2,255	\$11,826
PR_GN014900 North Shore Gravity Sewer Improvements Phase I	Rehab Plan Phase Two	\$4,332	\$1,091	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$518	\$5,426	\$5,944
PR_GN015000 South Shore Gravity Sewer Improvements Phase I	Rehab Plan Phase Two	\$130	\$656	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$59	\$786	\$845
PR_GN015300 Interceptor System Valve Improvements Phase I	Rehab Plan Phase Two	\$236	\$1,596	\$668	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$119	\$2,502	\$2,621
PR_GN015400 South Shore Aerial Crossing Improvements	Rehab Plan Phase Two	\$243	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$52	\$243	\$295
PR_GN015800 North Shore Automated Diversion Facilities	None	\$1,671	\$144	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$436	\$1,816	\$2,252
PR_GN016220 SWIFT Research Center Full Scale MAR Well Integration	Integrated Plan-SWIFT	\$859	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,058	\$859	\$1,916
PR_GN016311 Outfall Dispersion Modeling for Full Scale SWIFT	Integrated Plan-SWIFT	\$100	\$101	\$102	\$102	\$102	\$102	\$101	\$101	\$102	\$102	\$107	\$1,015	\$1,122
PR_GN016320 Program Management of SWIFT Full Scale Implementation	Integrated Plan-SWIFT	\$5,603	\$5,863	\$5,688	\$5,688	\$5,688	\$5,688	\$5,688	\$5,688	\$5,220	\$4,790	\$19,742	\$55,605	\$75,347
PR_GN016331 SWIFT Managed Aquifer Recharge Services	Integrated Plan-SWIFT	\$275	\$145	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330	\$420	\$750
PR_GN016342 Williamsburg SWIFT Land Acquisition	Integrated Plan-SWIFT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$642	\$856	\$3	\$1,497	\$1,500
PR_GN016344 James River Land Improvements	Integrated Plan-SWIFT	\$4,032	\$356	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$789	\$4,388	\$5,177
PR_GN016346 Boat Harbor Transmission Force Main Land Acquisition	Integrated Plan-SWIFT	\$1,250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250	\$1,250	\$2,500
PR_GN016347 James River Land Improvements, Phase II Trails	Integrated Plan-SWIFT	\$0	\$0	\$681	\$808	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,489	\$1,489
PR_GN016350 Williamsburg SWIFT Facility	Integrated Plan-SWIFT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,175	\$684	\$2,175	\$2,859
PR_GN016351 Williamsburg Recharge Wells	Integrated Plan-SWIFT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$467	\$0	\$467	\$467
PR_GN016360 James River SWIFT Facility	Integrated Plan-SWIFT	\$69,435	\$96,891	\$53,133	\$18,697	\$768	\$0	\$0	\$0	\$0	\$0	\$29,386	\$238,925	\$268,311
PR_GN016361 James River Recharge Wells (On Site)	Integrated Plan-SWIFT	\$12,355	\$271	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,209	\$12,626	\$17,835
PR_GN016362 James River Recharge Wells (Off Site)	Integrated Plan-SWIFT	\$12,896	\$21,874	\$7,996	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$263	\$42,766	\$43,029
PR_GN016363 James River Recharge Well Enhancements	Integrated Plan-SWIFT	\$0	\$0	\$103	\$203	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$305	\$305
PR_GN016370 York River SWIFT Facility	Integrated Plan-SWIFT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,413	\$1,571	\$0	\$2,983	\$2,983
PR_GN016371 York River Recharge Wells	Integrated Plan-SWIFT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PR_GN016380 Nansemond SWIFT Facility	Integrated Plan-SWIFT	\$4,453	\$4,964	\$19,128	\$86,017	\$120,574	\$50,944	\$20,270	\$0	\$0	\$0	\$663	\$306,350	\$307,013
PR_GN016381 Nansemond Recharge Wells	Integrated Plan-SWIFT	\$940	\$714	\$5,501	\$13,066	\$14,671	\$10,680	\$2,476	\$0	\$0	\$0	\$0	\$48,048	\$48,048
PR_GN016390 VIP SWIFT Facility	Integrated Plan-SWIFT	\$0	\$5,506	\$328	\$8,312	\$8,132	\$45,000	\$94,954	\$94,531	\$55,024	\$22,345	\$0	\$334,132	\$334,132
PR_GN016391 VIP Recharge Wells	Integrated Plan-SWIFT	\$0	\$188	\$1,948	\$688	\$592	\$10,626	\$10,749	\$10,749	\$10,792	\$10,824	\$0	\$57,156	\$57,156
PR_GN016392 VIP SWIFT Site Work	Integrated Plan-SWIFT	\$702	\$583	\$2,600	\$31,110	\$3,897	\$0	\$0	\$0	\$0	\$0	\$1	\$38,893	\$38,894
PR_GN016700 Treatment Plant Solids Handling Replacement Phase II	None	\$2,750	\$1,604	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,493	\$4,354	\$5,848
PR_GN017100 Climate Change Planning	None	\$1,271	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,555	\$1,271	\$4,826

**CAPITAL IMPROVEMENT PROGRAM**  
 FY23 TO FY32 (\$,000)  
 Based on Program Cost Estimates (Project Contingencies not Included)

	Regulatory Type	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	Proj Exp to Prev Yr	Sum FY23 to FY32	Est Program Cost
PR_GN017200 Interceptor Systems PS Control and SCADA Upgrades and Enhancements Phase II	None	\$1,223	\$1,223	\$1,223	\$1,223	\$172	\$0	\$0	\$0	\$0	\$0	\$4,204	\$5,066	\$9,270
PR_GN017300 Treatment Plant Dewatering Replacement Program	None	\$0	\$0	\$4,540	\$4,540	\$4,540	\$4,540	\$4,540	\$4,540	\$4,259	\$0	\$0	\$31,500	\$31,500
PR_GN017400 Treatment Plant Dewatering Replacement Phase III	Nutrient Reduction	\$346	\$3,250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$315	\$3,596	\$3,911
PR_GN017500 Fleet Management Program	None	\$0	\$2,392	\$2,698	\$2,469	\$1,833	\$1,843	\$1,853	\$0	\$0	\$0	\$0	\$13,088	\$13,088
PR_GN017900 Solids System Improvements for Army Base MHI Offline	Clean Air Act	\$2,667	\$1,333	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$680	\$4,000	\$4,680
PR_GN018000 Inflow Reduction Program - Phase I	None	\$753	\$163	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,036	\$916	\$1,951
PR_GN018400 Conceptual Project Development (FY23)	None	\$413	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$413	\$413
PR_GN018500 Fleet Management (FY23)	None	\$2,623	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,623	\$2,623
PR_GN018600 North Shore Galvanic Cathodic Protection Rehabilitation	None	\$0	\$423	\$870	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,293	\$1,293
PR_GN018700 South Shore Galvanic Cathodic Protection Rehabilitation Phase I	None	\$0	\$0	\$144	\$1,317	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,461	\$1,461
PR_GN018800 South Shore Galvanic Cathodic Protection Rehabilitation Phase II	None	\$0	\$94	\$1,203	\$164	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,461	\$1,461
PR_GN018900 Pump Station Motor Control Center Replacements - Phase I	None	\$830	\$415	\$415	\$415	\$415	\$0	\$0	\$0	\$0	\$0	\$0	\$2,490	\$2,490
PR_GN019000 Water Quality Department Instrumentation Equipment (FY23)	None	\$104	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$104	\$104
<b>General Subtotal</b>		<b>\$134,793</b>	<b>\$151,999</b>	<b>\$109,982</b>	<b>\$174,819</b>	<b>\$161,385</b>	<b>\$129,423</b>	<b>\$140,631</b>	<b>\$115,610</b>	<b>\$77,450</b>	<b>\$43,131</b>	<b>\$81,524</b>	<b>\$1,239,224</b>	<b>\$1,320,747</b>
<b>Future Improvements</b>														
PR_IP010400 Interceptor System Rehabilitation and Replacement	None	\$0	\$0	\$0	\$0	\$0	\$0	\$23,668	\$57,504	\$86,402	\$113,622	\$0	\$281,196	\$281,196
<b>Future Improvements Subtotal</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$23,668</b>	<b>\$57,504</b>	<b>\$86,402</b>	<b>\$113,622</b>	<b>\$0</b>	<b>\$281,196</b>	<b>\$281,196</b>
<b>CIP Totals</b>		<b>\$513,750</b>	<b>\$742,353</b>	<b>\$557,895</b>	<b>\$326,316</b>	<b>\$221,053</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$297,641</b>	<b>\$3,361,366</b>	<b>\$3,659,007</b>