

**WATER AND SEWER INFRASTRUCTURE: WATER  
DISTRIBUTION PROGRAM**

10 YEAR CATEGORY SUMMARY (in \$1,000s)

	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	10 Year Total
1. Finished Water Reliability & Interconnections	500	2,070	2,140	11,050	22,100	22,800	34,200	0	0	0	94,860
2. Water-Improvements for Development	500	520	535	550	550	570	570	585	585	605	5,570
3. Water-Pump Station Improvements	2,250	110	265	830	0	125	0	130	0	135	3,845
4. Regional Source Water Resiliency	0	0	0	0	0	0	0	0	0	60,500	60,500
5. Transmission Mains Resiliency	150	310	3,745	0	0	0	0	0	0	0	4,205
<b>Total Recommendation</b>	<b>3,400</b>	<b>3,010</b>	<b>6,685</b>	<b>12,430</b>	<b>22,650</b>	<b>23,495</b>	<b>34,770</b>	<b>715</b>	<b>585</b>	<b>61,240</b>	<b>168,980</b>

CATEGORY FUNDING SOURCES (in \$1,000s)

	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	10 Year Total
<b>New Funding</b>											
Federal Funding	0	0	0	0	0	0	0	0	0	0	0
State Funding	0	0	0	0	0	0	0	0	0	0	0
Developer Contributions	500	520	535	550	550	570	570	585	585	605	5,570
New Bond Issue	0	505	5,885	11,050	22,100	22,800	34,200	0	0	60,500	157,040
PAYG	835	474	1,070	25	0	125	0	130	0	135	2,794
Short Term Finance	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fee Revenue	0	0	0	0	0	0	0	0	0	0	0
Other Funding	0	0	0	0	0	0	0	0	0	0	0
<b>Subtotal New Funding</b>	<b>1,335</b>	<b>1,499</b>	<b>7,490</b>	<b>11,625</b>	<b>22,650</b>	<b>23,495</b>	<b>34,770</b>	<b>715</b>	<b>585</b>	<b>61,240</b>	<b>165,404</b>
<b>Previously Approved Funding</b>											
Authorized but Unissued Bonds	0	0	0	0	0	0	0	0	0	0	0
Issued but Unspent Bonds	0	0	0	0	0	0	0	0	0	0	0
Other Previously Approved Funds	2,065	1,511	0	0	0	0	0	0	0	0	3,576
<b>Subtotal Previously Approved Funding</b>	<b>2,065</b>	<b>1,511</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,576</b>
<b>Total Funding Sources</b>	<b>3,400</b>	<b>3,010</b>	<b>7,490</b>	<b>11,625</b>	<b>22,650</b>	<b>23,495</b>	<b>34,770</b>	<b>715</b>	<b>585</b>	<b>61,240</b>	<b>168,980</b>



# 1. FINISHED WATER RELIABILITY & INTERCONNECTIONS

**Project Highlights:**

- Projects will provide reliability and redundancy for Arlington County's finished water supply in the event of emergencies associated with the source water supply or the water distribution system.
- This program covers enhancements to our current water supply system for resiliency as well as interconnections and associated improvements with neighboring jurisdictions to provide backup feed to/from Arlington in case of emergencies associated with the water supply or the water distribution system.
- Investments in FY 2028-FY 2031 are roughly scaled for a large capacity redundancy interconnection project with Fairfax Water; numbers and timing are preliminary while alignment and feasibility studies are underway.

**Associated Plan(s):**

Water System Master Plan

**Neighborhood(s):**

VARIOUS

**Funding Notes:** Other previously approved funds include existing PAYG balances. Future assets in this program may be owned by the County or others.

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
New Bond Issue		505	2,140	11,050	22,100	22,800	34,200				92,795
PAYG		54									54
Previous Funding											
Other Previously Approved Funds	500	1,511									2,011
<b>Total Funding</b>	<b>500</b>	<b>2,070</b>	<b>2,140</b>	<b>11,050</b>	<b>22,100</b>	<b>22,800</b>	<b>34,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>94,860</b>
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
<b>Total Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Critical Milestones:**

- Planning & Design Summer 2023 - Fall 2027
- Construction Spring 2028 - Summer 2031

**Changes from Prior CIP:**

In previous CIPs, this program was called "Source Water" rather than "Finished Water." FY 2028 - FY 2031 is a notional placeholder for the construction of an additional interconnection, dependent upon the result of the source water study and regional planning processes.



## 2. WATER-IMPROVEMENTS FOR DEVELOPMENT

**Project Highlights:**

- This program is identified in the Water Distribution System Master Plan to respond to opportunities to improve the water distribution system with adjacent developments for water quality, redundancy, and transmission capacity purposes.
- Projects include funding for water main looping, which are projects to install mains necessary to complete a block or section where a developer may only be responsible for water mains immediately on the frontage of their site. This may also cover work to abandon existing mains and the completion of loops in prior developments.
- Water main looping provides the following design and operational advantages:
  - 1) The system becomes less vulnerable to water main breaks. When a single main breaks, it may be isolated, and water service may be continued in the area through alternate loops.
  - 2) A greater quantity of water generally becomes available for firefighting purposes.

**Associated Plan(s):**

Water System Master Plan

**Neighborhood(s):**

VARIOUS

<b>Funding Notes:</b> Funding will be from infrastructure availability fees (developer contributions).											
<b>New Funding</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>FY 2031</b>	<b>FY 2032</b>	<b>FY 2033</b>	<b>FY 2034</b>	<b>Total</b>
<b>Developer Contributions</b>	500	520	535	550	550	570	570	585	585	605	5,570
<b>Previous Funding</b>											
<b>Total Funding</b>	<b>500</b>	<b>520</b>	<b>535</b>	<b>550</b>	<b>550</b>	<b>570</b>	<b>570</b>	<b>585</b>	<b>585</b>	<b>605</b>	<b>5,570</b>
<b>Operating Impact</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>FY 2031</b>	<b>FY 2032</b>	<b>FY 2033</b>	<b>FY 2034</b>	<b>Total</b>
<b>Total Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Changes from Prior CIP:**

No change from the previous CIP.



### 3. WATER-PUMP STATION IMPROVEMENTS

**Project Highlights:**

- This program upgrades or replaces various components at pump stations throughout the County, including motor control centers, pumps, and back-up generators.
- Pump station reliability is essential to providing adequate fire flow and safe drinking water to customers.

**Associated Plan(s):**

Water System Master Plan

**Neighborhood(s):**

VARIOUS

**Funding Notes:** Other previously approved funds include existing PAYG balance.

<b>New Funding</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>FY 2031</b>	<b>FY 2032</b>	<b>FY 2033</b>	<b>FY 2034</b>	<b>Total</b>
<b>PAYG</b>	835	110	1,070	25		125		130		135	2,430
<b>Previous Funding</b>											
<b>Other Previously Approved Funds</b>	1,415										1,415
<b>Total Funding</b>	<b>2,250</b>	<b>110</b>	<b>1,070</b>	<b>25</b>	<b>0</b>	<b>125</b>	<b>0</b>	<b>130</b>	<b>0</b>	<b>135</b>	<b>3,845</b>
<b>Operating Impact</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>FY 2031</b>	<b>FY 2032</b>	<b>FY 2033</b>	<b>FY 2034</b>	<b>Total</b>
<b>Total Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Changes from Prior CIP:**

This CIP includes funding in FY 2025 for improvements at Lee pump station and funding in FY 2028 for Minor Hill pump station.



## 4. REGIONAL SOURCE WATER RESILIENCY

**Project Highlights:**

- This program allocates funds for the study and construction of regional projects to protect the County’s source water or provide access to emergency sources of water.
- A placeholder amount is included in the FY 2034 outyear to reserve capacity and indicate the general scale of an anticipated County contribution to a regional project which has not yet been scoped, scaled, or designed.
- Regional partners are also pursuing federal funding contributions which may also determine amount of County contribution.

**Associated Plan(s):**

Water System Master Plan

**Funding Notes:** Future assets in this program may be owned by the County or others.

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
New Bond Issue										60,500	60,500
Previous Funding											
<b>Total Funding</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,500</b>	<b>60,500</b>
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Total Impact	0	0	0	0	0	0	0	0	0	0	0

**Changes from Prior CIP:**

This program replaces the "New River Crossing" program in the previous CIP.



## 5. TRANSMISSION MAINS RESILIENCY

**Project Highlights:**

- This program provides redundant water mains to back up existing transmission capacity.

**Associated Plan(s):**

Water System Master Plan

**Neighborhood(s):**

VARIOUS

**Funding Notes:** Other Previously Approved Funds include existing PAYG balances.

<b>New Funding</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>FY 2031</b>	<b>FY 2032</b>	<b>FY 2033</b>	<b>FY 2034</b>	<b>Total</b>
<b>New Bond Issue</b>			3,745								3,745
<b>PAYG</b>		310									310
<b>Previous Funding</b>											
<b>Other Previously Approved Funds</b>	150										150
<b>Total Funding</b>	<b>150</b>	<b>310</b>	<b>3,745</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,205</b>
<b>Operating Impact</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>FY 2030</b>	<b>FY 2031</b>	<b>FY 2032</b>	<b>FY 2033</b>	<b>FY 2034</b>	<b>Total</b>
<b>Total Impact</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Changes from Prior CIP:**

This project was previously called Gravity Transmission Mains - B2 & B3 but has been renamed to support water resiliency and redundancy planned needs in the County.