

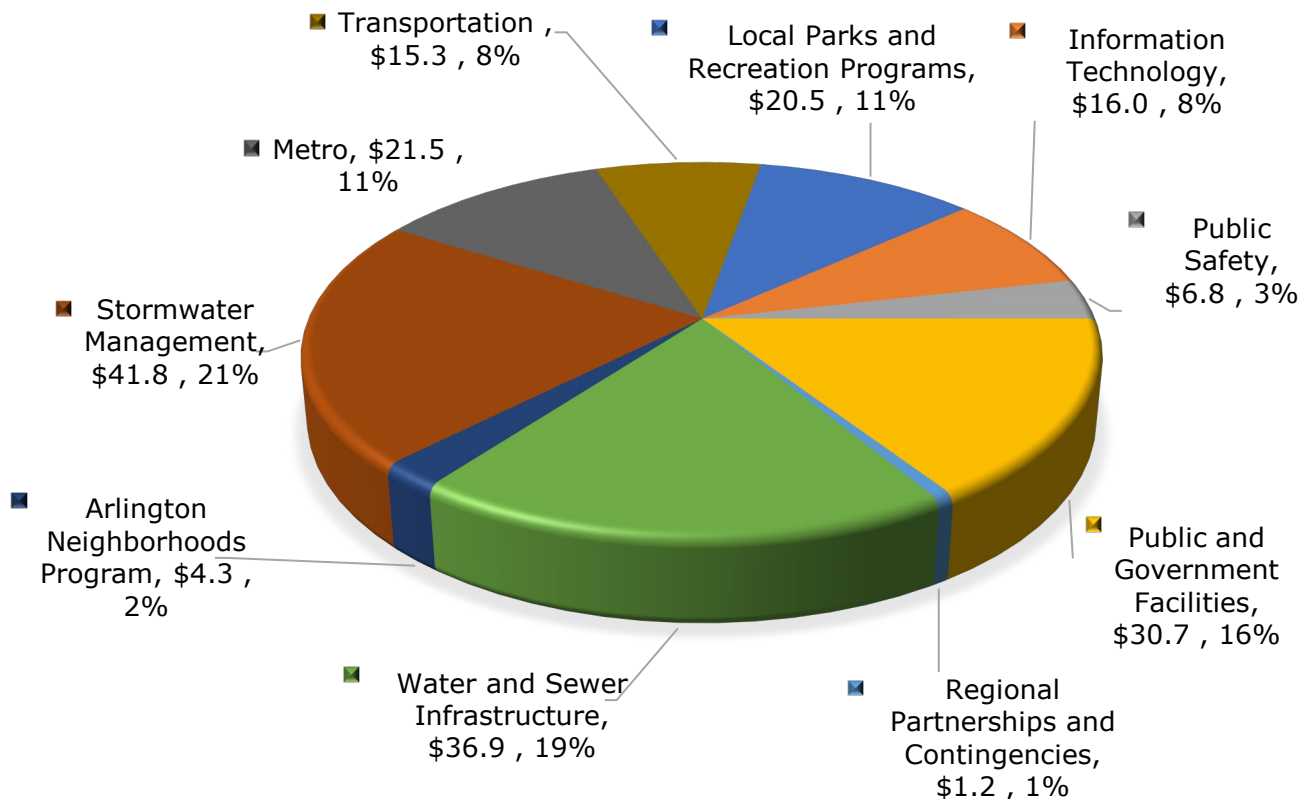
**PAY-AS-YOU-GO
CAPITAL
AND
SHORT-TERM
FINANCING**

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The FY 2024 Adopted Capital Program budget is \$195 million. The program areas included below include all capital fund sources. The chart below details the dollar amount allocated by program.

FY 2024 CAPITAL BUDGET ALLOCATION BY PROGRAM

(\$'S IN MILLIONS)

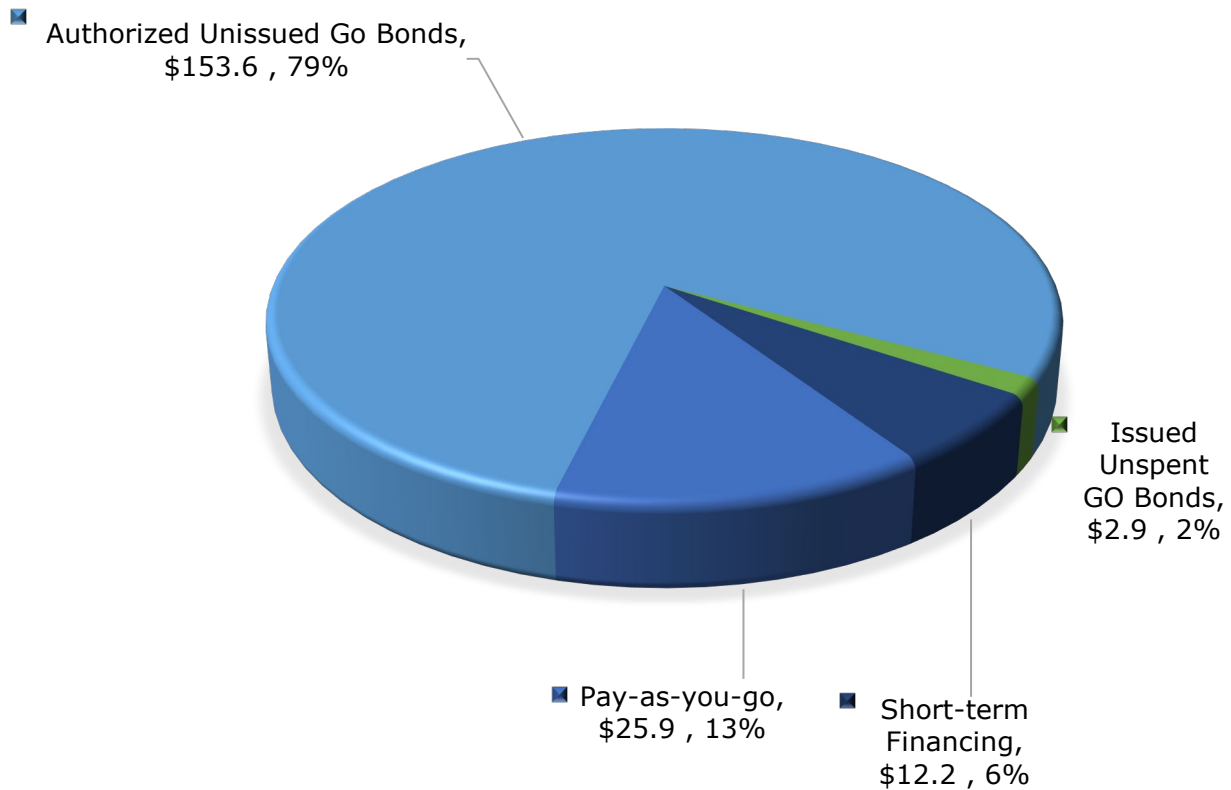


*numbers in charts may not match due to rounding

The Adopted FY 2024 capital program budget is broken out by funding source below. The capital program is funded by Pay-As-You-Go (PAYG), General Obligation (GO) Bonds, Short-term Financing, bond premium funds, grants, and other outside funding. In the pie-chart below, grant dollars are included for the Transportation Program and are not part of the overall appropriation for the capital program. Detail about the fund sources and associated projects can be found in the following pages.

FY 2024 CAPITAL BUDGET FUNDING SOURCE

(\$'S IN MILLIONS)



*numbers in the charts may not match due to rounding

**GENERAL CAPITAL PROJECTS FUND
FUND STATEMENT**

	FY 2022 ACTUAL	FY 2023 ADOPTED	FY 2023 RE-ESTIMATE	FY 2024 ADOPTED
Adjusted Balance, July 1	\$130,488,032	\$119,908,842	\$105,282,402	\$90,087,215
REVENUES:				
Commonwealth of Virginia	1,112,920	-	-	-
Federal Government	2,169,385	-	-	-
City of Falls Church	-	-	-	-
Charges for Services	2,412,019	-	-	-
Miscellaneous Revenue	1,762,949	-	-	-
Line of credit proceeds	5,234,436	17,548,000	17,548,000	12,209,000
Proceeds for bond premium	-	-	-	-
Proceeds for sale of bonds	-	-	-	-
Total Revenues	12,691,709	17,548,000	17,548,000	12,209,000
Transfer in	10,478,484	8,550,000	8,550,000	11,025,000
Transfer out	-	-	-	-
Use of prior year revenue*	25,205,630	15,195,187	15,195,187	14,653,080
Total Revenues and Transfers	23,170,193	26,098,000	26,098,000	23,234,000
Expenditures:				
Capital projects current year	48,375,823	26,098,000	26,098,000	23,234,000
Capital projects carry over	-	15,195,187	15,195,187	14,944,080
Total Expenditures	48,375,823	41,293,187	41,293,187	38,178,080
Balance, June 30	\$105,282,402	\$104,713,655	\$90,087,215	\$75,143,135

* The amount under Use of Prior year revenue is already in the beginning fund balance.

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WHAT IS A CAPITAL PROJECT?

Capital projects include the design, construction, renovation, or maintenance of capital assets. Capital assets are County-owned infrastructure that are of significant value, such as bridges, community centers, technology systems, water, sewer and stormwater infrastructure or parks, to name a few. County projects are funded from a variety of sources, including tax-supported Pay-As-You-Go (PAYG) funds, financed dollars such as general obligation (GO) bonds and short-term financed funds and, various other grants, fees, and dedicated funding sources.

TYPES OF CAPITAL PROJECTS

Capital projects fall into one of two major categories: maintenance capital (MC) projects and general capital projects. The maintenance capital program serves to prolong the useful life of major investments, while minimizing the need for repeated asset repair emergencies. Although MC funds are not contingency funds, they provide versatility in allowing the County to respond to unforeseen emergencies. The County regularly conducts condition assessments of capital assets to establish an inventory of capital needs and associated prioritization plans. Maintenance capital activities differ from operating maintenance activities described elsewhere in this document in that maintenance capital activities are normally larger scale in terms of cost, size, nature, and frequency of maintenance activity.

General capital projects, on the other hand, are all other capital projects and includes new projects or renovations and expansions of projects, such as when the County constructs a new community center or rebuilds and reconfigures a street intersection. This distinction between maintenance and general capital projects is helpful because the two types have different goals. Maintenance capital projects protect the County's past investments in capital assets and ensure that Arlington residents get the maximum use out of those assets. General capital projects aim to meet emerging community needs by creating new capital assets or modifying existing assets to such a degree that the work cannot be considered maintenance capital.

Beyond this distinction between maintenance and general, the County further categorizes capital projects into Program Areas which correspond to the teams of County staff that execute the projects. The capital projects discussed in the following pages are organized into the following Program Areas:

- Regional Partnerships
- Transportation
- Facilities
- Parks and Recreation
- Technology
- Neighborhood Conservation

HOW THE COUNTY PAYS FOR CAPITAL PROJECTS

Capital budget development is included in both the annual operating budget process and the biennial capital improvement plan (CIP). The annual budget process approves and allocates funding for capital projects using current year ongoing revenue, one-time funding, state and federal grant funds, cost-share, short-term finance dollars, previously approved bond funding and various dedicated

funds. The CIP includes a projected ten year spend plan of all of the aforementioned sources, various fees, and the approval of new GO bonds. Due to these multiple funding sources and the multi-year nature of project execution, not all of the County's planned spending on capital projects appears in any one year of the operating budget. The CIP document shows the multiple year execution of projects.

The County typically uses PAYG and short-term financing to fund assets with useful lives of 10 years or less. Financed dollars, whether short- or long-term, are set on repayment schedules (debt service) concurrent with the expected useful lives of the financed assets. For example, short-term financing is often used for replacement of technology and equipment assets with expected useful lives from three to seven years. Long-term financing (e.g., GO bonds) is used primarily for the County's large capital infrastructure investments, such as buildings or roads, with expected useful lives of 10 or more years. Refer to the Debt Service section of this document and the Adopted Capital Improvement Plan for more detailed information on the County's long-term capital financing strategy.

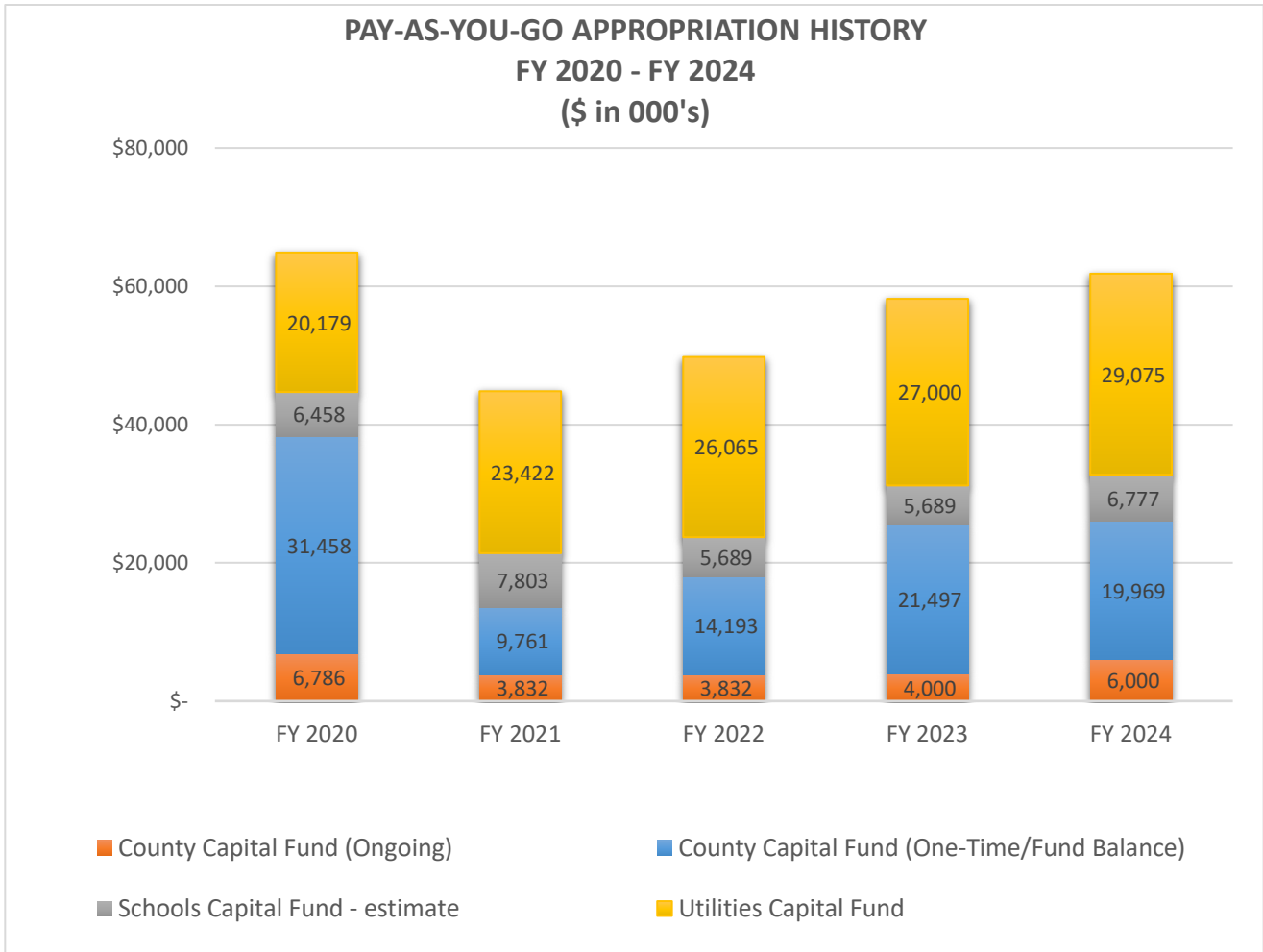
OVERVIEW OF FY 2024 CAPITAL PROGRAM

The adopted General Capital Projects Fund budget or Pay-As-You-Go (PAYG) for FY 2024 is \$26.0 million. Funding for this program comes from a variety of sources including a transfer in of ongoing funds from the General Fund (\$6.0 million), bond premium balances (\$12.0 million), and other carryover and/or reallocated balances (\$8.0 million).

The maintenance capital program serves to prolong the useful life of investments, while minimizing the need for repeated asset repair emergencies in the operating budget. This adopted budget focuses on replacing assets at the end of their useful lives, assets that are obsolete and assets presenting a potential safety concern. Because projects are often multi-year in nature, appropriations rather than actual expenditures are presented.

In addition to the PAYG dollars in the General Capital Projects budget, there are PAYG investments in other funds and operations including:

- The Utilities Fund FY 2024 Adopted PAYG budget of \$29.1 million includes funding for Wastewater Treatment Plant capital maintenance and improvements to the Washington Aqueduct, which supplies the County with 100 percent of its drinking water.
- The School Superintendent's Adopted FY 2024 PAYG budget at \$6.8 million, which includes major maintenance and minor construction funding.



FY 2024 PAYG CAPITAL EXPENDITURES BY PROGRAM AREA

PAYG and BOND PREMIUM FUNDED PROJECTS

PROGRAM CATEGORY	Ongoing Funds	One-Time/ Reallocated Balances	Bond Premium Funds	FY 2024 Adopted
Regional Partnerships	\$852,000	-	-	\$852,000
Transportation Maintenance Capital	3,722,000	\$291,000	-	4,013,000
Transportation Multi-Modal	250,000	-	-	250,000
Transportation Street Safety	-	174,000	-	174,000
Facilities Maintenance Capital	-	226,000	\$2,877,000	3,103,000
Facilities Design and Construction	-	450,000	1,000,000	1,450,000
Energy Management	-	1,180,000	-	1,180,000
Parks Maintenance Capital	640,000	100,000	623,000	1,363,000
Synthetic Turf	-	1,087,000	-	1,087,000
Enterprise Technology	39,000	3,686,000	7,000,000	10,725,000
Public Safety	222,000	750,000	-	972,000
Neighborhood Conservation	-	-	500,000	500,000
Public Art	-	25,000	-	25,000
Capital Contingency/Admin	275,000	80	-	275,080
Total Projects	\$6,000,000	\$7,969,080	\$12,000,000	\$25,969,080

1) Numbers may not add due to rounding.

2) Total funding is a combination of one-time dollars from reallocated project balances as well as bond premium from the County bond sale that is restricted in use to capital projects.

Regional Partnerships \$852,000

Arlington County is a member of several regional organizations which provide services to Arlington residents and visitors. The Regional Partnerships program funds the County’s annual contributions to support these organizations’ capital needs. This funding is separate from the County’s annual operating contribution to these organizations, which is discussed in the Regionals narrative in this document. The amount the County contributes every year for capital needs is determined by each organization’s allocation formula.

▪ **Northern Virginia Criminal Justice Academy \$145,000**

The Northern Virginia Criminal Justice Academy (NVCJA) provides law enforcement training and is comprised of seventeen participate police and sheriff agencies from Northern Virginia and the District of Columbia. In 2006, the principal members agreed to fund the construction of the Emergency Vehicle Operations Center (EVOC). The initial payments began in FY 2007 and will continue through FY 2026. The FY 2024 budget reflects Arlington’s estimate of the contribution required towards the annual debt payments of the EVOC.

▪ **Northern Virginia Regional Park Authority \$707,000**

The Northern Virginia Regional Park Authority (NVRPA) is a multi-jurisdictional agency comprised of Arlington County, Fairfax County, Loudoun County, and the Cities of Alexandria, Falls Church, and Fairfax which owns and operates over 10,000 acres of parklands with 21 major parks, including Potomac Overlook, Upton Hill, and the W&OD Regional Parks in Arlington.

Transportation Program **\$4,437,000**

Transportation – Maintenance Capital **\$4,013,000**

The Transportation Maintenance Capital program in the Department of Environmental Services (DES) maintains transportation infrastructure by repaving streets and bike lanes, maintaining pedestrian and vehicular bridges, maintaining sidewalks, signals, and signal infrastructure, maintaining and replacing street and trail lights, maintaining and replacing parking meters, and replacing bus shelters. The program also maintains and develops transportation data assets and systems to support analysis, such as trail monitoring, Intelligent Transportation Systems (ITS), and management systems for physical transportation assets (e.g., signs) and transportation data assets (for example, collected observed traffic data and crash data).

▪ **Bridge Maintenance** **\$700,000**

This is an ongoing program that provides funds to continue inspection, maintenance, and rehabilitation of 36 vehicular and pedestrian bridges in Arlington County to assure an adequate level of safety. Twenty-five of the bridges are included in the Federal Highway Administration (FHWA) National Bridge Inventory (NBI), which establishes standards for inspection and maintenance of public highway bridges. All NBI bridges are required to be inspected and reported on at least biennially and the County has adopted this standard for all 36 bridges. The program goal is to maintain the Bridge Condition Rating (BCR), a nationally used rating, in a range between 6 and 7, defined as satisfactory to good. During FY 2024, the program is anticipating undertaking repairs and maintenance of the following bridges: Wilson Boulevard over Four Mile Run Bridge, Pedestrian Bridge over North Nash Street and Pedestrian Bridge over Arlington Boulevard next to North Jackson Street.

▪ **Paving Program** **\$1,595,000**

The County currently maintains 1,061 lane miles of roadway by a combination of mill and overlay, full depth rebuilding, micro-surfacing, and slurry sealing. The County utilizes a Pavement Condition Index (PCI) to assess the road conditions. The County has established a desired average PCI range of 75-80 (with 100 representing the best possible) and has raised overall PCI to 82.4 in 2021 from an average PCI of 67 in 2014. The PAYG funds along with anticipated GO bond funds will maintain the PCI level as long as changes in winter weather, contracting costs, and oil prices do not negatively impact the anticipated paving program. The program operates on a 15-year paving cycle, on average, with about 72 lane miles mill & overlay per year to maintain the desired average PCI. Arterials are repaved more often due to the traffic volumes and type of vehicles using them, while neighborhood streets get slurry seal treatment every seven to ten years to extend their life rather than re-paving them as often. With the improvement in average PCI to 82.4, the County will be placing more emphasis on re-builds for streets with low PCI and/or with high traffic impacts.

▪ **Transportation Systems and Traffic Signals** **\$400,000**

The Transportation Systems and Traffic Signals program improves the infrastructure, safety, and operations of the various traffic control devices throughout the County. It upgrades traffic signals to meet current Federal and County requirements for structural design and for accessibility. Overall, the program funds (1) signalized intersection rebuilds and limited new construction; (2) operational analysis and improvements such as signal warrants and optimization; (3) safety and accessibility improvements at signalized intersections such as ADA ramp construction and accessible pushbutton installation; and (4) upgrades to system components such as controllers, detection, backup power, LED signal replacement, and emergency vehicle pre-emption. PAYG funds will be used to support ongoing structural inspections of poles and overhead infrastructure. This initiative will allow for more accurate lifecycle planning and provide information on the

structural integrity of the poles. Additionally, these inspections will identify potential safety risks that can be remedied.

▪ **Parking Meters** **\$-**

The goal of this program is to modernize and maintain the County's parking-meter equipment, including research into and deployment of new equipment types and technology that will allow for efficient management of public curb space. The County currently has about 1,370 parking meters that require replacement, or component replacement, after ten years of useful life. Additionally, as part of the program, data is collected and analyzed from parking-meter equipment and from non-metered curb space. This analysis supports decision making about curbside management, such as the allocation of curb space for various uses, and other regulations, such as time limits for parking.

No PAYG funding is allocated in FY 2024 as adequate other funding sources are available to continue executing the program.

▪ **Street Lighting Management** **\$877,000**

This funding will be used to continue converting Dominion Energy's (DE) streetlights to Light Emitting Diode (LED) technology. Conversion of Dominion Energy's streetlights began in FY 2021 and is expected to be completed in FY 2024. The County has completed converting County-owned streetlights to LED. However, some of the funding will also be used to upgrade older generation LEDs on County-owned lights.

The County streets are lit with a total of about 18,900 streetlights; about 7,700 are owned by the County, which have all been converted to LED, and about 11,200 are owned by Dominion Energy (DE, formerly Dominion Virginia Power). The conversion to smart LED lights has improved energy efficiency and reliability when compared to the prior technology. These newer lights offer improved functionality as they can be remotely monitored and controlled from a central system. The lights are programmed for dimming and can even be used to support emergency evacuation.

This funding is also used to rebuild aging streetlights and resolve ownership mixtures that adversely affect performance and maintenance.

▪ **Sidewalk, Curb, Gutter Proactive Zone Maintenance** **\$150,000**

The program, newly created in the Adopted CIP FY 2023 – FY 2032, funds proactive and comprehensive inspection and maintenance of County-maintained, curb, gutter and sidewalks. Funding for FY 2024 onward includes funding for a zone maintenance program. The County is divided into 20 concrete zones, and the program's goal is to address 2 zones a year, for a 10-year maintenance interval. Zone maintenance will be informed by the completed Sidewalk Survey along with project manager observations.

▪ **ITS Device Replacement** **\$291,000**

This program supports the ITS (Intelligent Transportation System) program by providing for ITS device replacement through obsolescence management. The variety of devices and the unique combination of uses require intense oversight and maintenance. Many of the devices installed in the last 10 years will become obsolete and require replacement owing to a need for improved functionality or upgraded communication capabilities. The items are generally components used at an intersection or standalone roadside assemblies. Examples include detection systems, battery backup, accessible pushbutton stations, CCTV upgrades from analog to digital, rectangular rapid flashing beacons (RRFBs), and speed indicators. These are specialized devices that are typically expensive to procure and require specialty contractors to install.

- **Trail Light Maintenance** **\$-**
The program includes minor repair and maintenance of approximately 350 trail lights across approximately ten miles of trails. The repair and maintenance include bulb change, splicing of wires, fuse replacement, repairing and cleaning of globes, and repairing poles that may be damaged. Any major repairs on off- road trails are carried out by Parks and Recreation under the Trail Modernization Program.

No PAYG funding is allocated in FY 2024 as adequate other funding sources are available to continue executing the program.

Transportation Multi-Modal Programs **\$250,000**

The Transportation Multi-modal program provides accessibility and various options for movement throughout the County and the rest of the region. This is achieved by providing a high-quality transit system, a robust bicycle and pedestrian network, provisions for Shared Mobility Devices (SMDs), and effective transportation demand management approaches.

- **Bike Arlington** **\$-**
The BIKE Arlington program makes physical enhancements to Arlington's transportation infrastructure, including trails and streets, to improve conditions for bicycling. The program's goal is to increase the number of riders and bicycle trips by making bicycling a more attractive travel choice. This goal is achieved by: completing the bicycle network; making the network safer to use; providing intuitive and easy to understand wayfinding and traffic control; and providing safe, convenient, and plentiful bicycle parking. Information on how to track trail usage that helps guide investment, management, and maintenance activities, is available to the public on a dedicated page at BikeArlington.com.

No PAYG funding is allocated in FY 2024 as adequate other funding sources are available to continue executing the program.

- **Neighborhood Complete Streets** **\$-**
The Neighborhood Complete Streets (NCS) program implements projects on non-arterial streets where a critical need has been identified and justified through objective criteria, established by the NCS Commission, that focus on safety and accessibility. The goal of the NCS program is to improve walking connectivity, upgrade street crossings, particularly within school walking zones, and modify incomplete streets with an aim at providing safer facilities and changing motorist behavior to manage vehicular speeds and minimize vehicle/pedestrian conflicts.

No new PAYG funding is allocated in FY 2024 as adequate previous PAYG funding is available to continue executing the program.

- **Bus Stop ADA Program** **\$250,000**
The Bus Stop Accessibility Improvements program is an on-going program to address County bus stops in need of improvements to be compliant with the American Disabilities Act (ADA). Bus stop improvements provided under this program include ADA-compliant bus boarding areas, pedestrian and accessible facilities that connect passengers to bus stops (sidewalks, crosswalks, ramps), and waiting areas for wheelchair users inside bus shelters. About 25 bus stops are made ADA-compliant under this program each year (over and above any handled as part of Bus Stop and Shelter CIP program). The program's goal is to achieve 100 percent compliance. As of October 2022, 510 of the 1,004 bus stops in the county were ADA-compliant, leaving 494 to be brought into compliance. Many of these remaining stops have challenges that need to be addressed in to make them ADA-compliant (e.g., utility conflicts, easements). To accelerate the

process to bring all bus stops into ADA compliance, the program will hire consultant(s) to create a detailed inventory of the remaining non-ADA compliant stops, identify issues that need to be addressed, and offer some preliminary solutions. This is the first step towards creating a detailed plan to accelerate achieving ADA compliance.

▪ **Transportation Asset Management** **\$-**

Transportation assets include deployed assets such as signals and signs installed in the right-of-way, inventory assets housed in warehouses, and traffic data assets. This program developed and maintains a management system that not only keeps records but also makes data more accessible and analytical. This includes the development and continuous update of a central traffic database that houses both historic and recent transportation data, including but not limited to: characteristics of streets, volume counts, speeds, collisions, classification, and occupancy. The database is mostly complete and has the following capabilities: open data accessibility to staff and public; integration with the work order system; integration with County's Geographic Information System (GIS); integration with Cartegraph, the transportation asset management system; trend analysis; safety analysis; report and map generation; and system performance monitoring. This program also helps track and manage assets by integrating with the current inventory system associated with the County's warehouse storage facility. With the implementation of Vision Zero, more functionality is being explored and being added to the system.

No PAYG funding is allocated in FY 2024 as adequate other funding sources are available to continue executing the program.

▪ **WALKArlington** **\$-**

The WalkArlington program makes physical enhancements to Arlington's sidewalk and street infrastructure. The objectives of the program include: completion of the planned walkway network, making the pedestrian walkway network fully accessible for all users, improving pedestrian safety, and increasing walking across the County. The program funds four types of projects: arterial street sidewalk upgrades, transit-access improvements, safe routes to schools enhancements, and stand-alone safety and accessibility upgrades. Projects can range in scope from the rebuilding of a single corner or median to construction of several blocks of new sidewalk. WALKArlington focuses primarily on arterial streets and commercial areas which are generally not covered by the Arlington Neighborhoods Program or the Neighborhood Complete Streets programs.

No PAYG funding is allocated in FY 2024 as adequate other funding sources are available to continue executing the program.

Transportation Street Safety **\$174,000**

In July 2019, the County Board adopted the "Vision Zero Resolution." The resolution identified safety as a priority and called for eliminating fatal and severe injury crashes. While safety is considered in almost all street improvement projects, this is a dedicated program to address safety.

- **Street Safety Improvements** **\$174,000**
The Street Safety Improvement (SSI) program supports the Vision Zero goal the Arlington County Board adopted in July 2019 (and the Vision Zero Action Plan adopted in May 2021) to eliminate all transportation fatalities and severe injuries. It implements safety improvements at intersections and streets for pedestrians, shared mobility device (SMD) users, bicyclists, transit riders, or motorists as determined through a comprehensive investigation, including crash analysis. Improvements include signage, pavement markings, and other types of delineation to achieve greater separation and awareness of pedestrians and bicyclists. Minor changes to the curb may also be included. Locations demonstrating high crash rates are prioritized. Initiatives being advanced with PAYG funding include but are not limited to 1) slow school zones, which include speed cameras and other measures to support slower speeds, 2) increased in-house survey, design, and construction management support for quick build projects, 3) pedestrian crossing enhancements, including the implementation of Rectangular Rapid Flashing Beacons (RRFBs), and 4) speed reductions strategies to decrease the risk of a critical crash.

Facilities Maintenance Capital Program **\$3,103,000**

The Facilities maintenance program operates more than 87 County-owned public facilities, including office buildings, fire stations, recreation centers, courts, and more. The Facilities Maintenance Capital program is a collection of major facility maintenance projects designed to keep County facilities operating in a safe, efficient, and reliable manner. This program and the Facilities Design and Construction program are closely integrated to maintain and improve the portfolio of County facilities based on the life cycle of assets.

- **Arlington Mill Community Center-Water Intrusion** **\$705,000**
This project will address water leaks and intrusion from the exterior upper plaza into the gym. This work will include regrading and installation of a drainage system on the north side upper plaza between the community center and residential building. Additional water intrusion results from overflow for the roof drain scuppers and the plaza sloping towards the facility. A price escalation of \$250,000 from the Adopted CIP is based on inflation and an increased scope to reslope plaza bricks rather than resealing paver joints. The total cost of this project is estimated to be \$750,000 of which \$45,000 is to be funded by GO bonds.
- **Courts Police Building Fire Alarm Systems** **\$750,000**
The existing Fire Alarm system has reached the end of its useful life and can no longer be maintained with available parts. The equipment software is no longer supported by the manufacturer and devices are failing, causing false trouble alarms.
- **Water Sewer Small Engine Shop-AHU replacement** **\$48,000**
This project will replace the existing air handling unit (AHU) which has reached its end useful life and is over 25 years old. This AHU and has been identified as a needed replacement in the facility condition assessment. The new equipment will be evaluated and selected for increased energy efficiency and reducing future utility expenses. A cost growth of \$60,000 from the Adopted CIP is due to recent HVAC equipment pricing increases. The total cost of the project is \$160,000 and the Utilities fund will fund the balance of \$112,000.
- **Fire Station #1 & #9 Bay Floor Repair** **\$1,000,000**
Floor stress in these apparatus bays have caused cracking of the floor tiling and trench drain failure and requires repair. Additional damage and market increases have increased the cost included in the Adopted CIP. The flooring will be polished concrete and will include a new drainage system.

- **Fire Station #5 Kitchen Exhaust Replacement** **\$100,000**
Fire Stations have commercial grade kitchen exhaust systems that are heavily used. This project will replace the exhaust system at Fire Station #5 which has exceeded its useful life and requires continuous maintenance to address component issues.

- **Walter Reed CC Fire System** **\$200,000**
The existing fire alarm system has reached the end of its useful life. The equipment software is no longer supported by the manufacturer. Devices, including the main panel, are experiencing component failure and are no longer available for replacement.

- **Lubber Run Amphitheater-Roof/ Wall Replacement** **\$300,000**
This project will replace selected failing brick retaining walls along the seating area and adjacent to the stage with reinforced stamped concrete and replace the roof which has reached the end of its useful life. The roof was identified for replacement by facility condition assessment and has been subject to frequent leaks and repairs. The project has a cost increase from the Adopted CIP and is due to significant price increases in lumber, sheet metal, and concrete.

Critical Systems Infrastructure (CSI) **\$-**
Several facilities throughout the County are essential to the operations of Public Safety and First Responders. The intent of the CSI program is to centralize the monitoring and maintenance of the building systems for these 24/7/365 mission critical facilities.

- **HVAC Unit Replacement** **\$-**
The HVAC unit servicing the radio site at Court House Plaza is at the end of its useful life, does not communicate with the FMB BAS, and requires connection to emergency power during outages. This project will bring the system up to county capabilities for performance and monitoring.

No PAYG funding is allocated in FY 2024 as other funding sources are being used to execute the project.

Facilities Design and Construction Program **\$1,450,000**
The Facilities Design and Construction Program maintains and modernizes current County facilities, and also plans for the County's future facility needs. The program is integrated with the Facilities Maintenance Capital program in planning for periodic renovations and eventual replacement of obsolete facilities at the appropriate points in the life cycle.

- **Crystal City Library** **\$1,000,000**
This project will renovate leased space to accommodate an open floor plan for a Public Library. As part of the Phased Development Site Plan (PDSP) for Crystal Plaza 1, 7,200 square feet of space within the existing Crystal Mall IV building (1901 S. Bell Street) will be provided for County use; specifically, a public library. Including previously approved funding, the total project budget is \$2,160,000.

- **Facility Finishes and Furnishings** **\$300,000**
This program provides for the scheduled re-investment in existing facilities interior/exterior finishes and furnishings, consisting of the following elements: interior maintenance capital and systems furniture replacement.

- **ADA Remediation** **\$150,000**
This project will complete the initial remediation program by constructing the already designed and permitted accessibility improvements in public access and staff locker areas within the

Detention Facility. New construction projects include ADA compliant design and accessibility features within their individual project budgets.

Energy Management **\$1,180,000**

The Energy Management Program invests funds in various energy efficient capital improvements that advance the goals of the Community Energy Plan (CEP).

- **Electric Vehicle (EV) Chargers - Internal Accessibility** **\$355,000**
This project will install additional EV charging stations throughout County facilities in support of the conversion of the County fleet to electric vehicles (CEP 2019 Government Activities and Clean Transportation). This effort closely tracks the Equipment Bureau's EV purchasing/replacement plan.

- **Electric Vehicle Chargers - Public Accessibility** **\$350,000**
This project will fund electric vehicle charging infrastructure for high-visibility and high-circulation public-use County government sites. This project supports key objectives of the County Board adopted Community Energy Plan, including, among others, policy 4.4 to - promote and encourage electric vehicles in the private and commercial sectors including supporting convenient charging stations throughout Arlington. Design is underway for six public spaces at the Courthouse Plaza parking lot and Central Library design will follow. An additional \$185,000 in funding has been allocated from the Climate Action fund for this project, bringing total FY 2024 funding to \$535,000. FY 2024 funding will provide a level of effort funding for implementation of Central Library Parking Lot and design and partial implementation of Fairlington Community Center, Barcroft Community Center, and up to two additional community centers.

- **Energy Performance Upgrades -County Buildings** **\$475,000**
There is a long-standing partnership between AIRE and DES Facilities to establish energy performance in design and construction. The funding for energy performance upgrades applies to building renovations and remodeling. The Decarbonization Tool for modeling these upgrades is now operational and will inform project selection resulting in greater efficiency and savings. The following initial sites have been modeled using the decarbonization tool: 1) Water Sewer Streets (WSS) Administration; 2) Equipment Bureau; 3) Madison Recreational Center; 4) Fairlington Recreational Center; 5) Residential Program Center; and 6) Quincy III. An additional \$150,000 has been allocated from the Climate Action fund for this project, bringing total FY 2024 funding to \$625,000. This level of effort funding will advance energy performance upgrades at these sites, including HVAC upgrades, lighting retrofits and building automation system connections. This project supports the CEP 2019 Buildings and Government Activities Sectors; and aligns with the CEP Roadmap 2022-23 and 2024-2026 actions.

Parks Maintenance Capital Program **\$1,363,000**

The Parks Maintenance Capital Program provides for recurring, systematic reinvestment in existing facilities by replacing inefficient and outdated infrastructure and preventing premature failure. The program funds the replacement or major renovation of park and recreation facility assets, including athletic fields and courts, field and court lighting, playgrounds, picnic shelters, restrooms, parking and other miscellaneous park and recreation facilities. The program also addresses accessibility, safety and storm water improvements that are complementary to renovating the facilities.

- **Capital Asset Manager** **\$170,000**
This funding is for the staff position that manages the Parks Capital Asset Program.

- **Community Fitness Center Equipment** **\$100,000**
This funding is for the purchase and proactive replacement of aging fitness equipment that is at or near the end of its useful life in order to avoid equipment failure at the various Park and Recreation facilities.

- **Doctor's Run Park Playground Replacement** **\$623,000**
This project is for design funding for the replacement of the children's playground and stone dust volleyball court, site circulation, site furnishings, landscaping and stormwater management improvements.

- **Feasibility Studies & Implementation Funds** **\$200,000**
Feasibility studies and implementation funds are meant to provide relevant strategic analysis and execution of work for new planning initiatives that are outside current CIP projects. Examples are potential planning and analysis needs for parks and sites associated with site plans, Phased Development Site Plan (PDSP) proposals, and Arlington Public Schools proposals. This program also allows for the off-CIP cycle replacement of capital assets that arise due to safety issues such as failure of playground safety surfacing, to address critical erosion issues or stream bank failures.

- **Field Fund** **\$270,000**
The Parks Field Fund is supported by an annual fee assessed on official affiliated youth and adult sports teams playing on Arlington County rectangular and diamond fields. In FY 2023, the field fund fee was increased, and the fees restructured. Work to be identified may include supporting the replacement and construction of synthetic turf fields and enhancements to existing fields such as improved irrigation, site amenities or accelerated sod replacement. The FY 2024 PAYG budget reflects the projected annual revenue from FY 2023 generated fees.

Technology **\$10,725,000**

The technology section includes both enterprise-wide and program specific projects. The projects are funded mostly between PAYG and short-term financed dollars. The total technology program is \$15.98 million with \$11.3 million being funded through other sources. See the project list for additional funded projects.

- **Connect Arlington** **\$-**
Connect Arlington (CA) is the County's Fiber Optic Network and covers approximately 70 route miles and currently connects 90+ structures, roughly 50% of which are County and 50% are County Schools (APS). The project supports the County's advanced traffic signals, video surveillance, and certain utilities. Funding refreshes the County's fiber footprint, underground fiber for all APS locations, and finalize connections for missing links of the fiber ring.

No PAYG funding is allocated in FY 2024 as other funding sources are being used to execute the program.

- **Day Care Center & in-Home Child Care Licensing System** **\$540,000**
This funding will be used to acquire a comprehensive, integrated, day care center and in-home childcare licensing management system for Arlington County Department of Human Services (DHS). This system will support childcare licensing operations and serve as a portal for clients, parents, and the public. The management system will include components for program inspections, document management, program enrollment, waitlist management, and staff training. This is the second year of a two-year implementation. The FY 2023 funding of \$250,000 was for initial planning and procurement of the system.

- **DHS Child Welfare Purchase of Service Software** **\$540,000**
This project is to replace the current system in operation since 1995. At 27 years old, the system is beyond its useful life, and is not capable of meeting changing programmatic or reporting requirements. The system connects the Department of Human Services with third-party service providers to manage the authorization and payment of adoption and foster care services purchased on behalf of eligible children and families. This is the second year of a three-year project. The total cost for the system is estimated to be \$1,250,000 million.

- **DTS- Hosted Legacy Application Cloud Migration** **\$1,090,000**
This project will migrate government applications to the public cloud. The scope of this endeavor includes a readiness assessment, preparation of the cloud environment, testing, migration of applications, and post-implementation evaluation. This approach will be applied to subsequent phases of migrations. The migration process offers several benefits, including enhanced security and ransomware prevention, cost savings on infrastructure setup and maintenance, and the ability to easily scale up or down as business needs change. Cloud migration enables the County to establish a modern and unified digital services experience for residents and businesses, as well as added flexibility to respond to changing business needs.

- **Granicus Upgrade** **\$70,000**
Since April 2007, the County has been live streaming County Board, commission meetings, work sessions and other events online and over mobile devices. In support of each meeting, the County posts online agendas and supporting documents to allow the public to access and download the materials before and after each meeting. After each meeting the County creates and posts minutes to the County's website as an indexed video. The project will replace two existing systems with one comprehensive software hardware platform that provides comprehensive and cloud-based services that support the hosting and live streaming of County Board and advisory commission meetings, work sessions, and other events. It will offer a single integrated system that will allow for publishing meeting agenda packets with video, linking relevant materials, building reports and analytics, and live indexing of videos and downloadable media in multiple formats.

- **Human Resources and Financial System Refreshment** **\$7,000,000**
Upgrade/replacement of the current Oracle e-Business System to the cloud-based solution. The current system was implemented in 2006 and has had technical upgrades to retain vendor support but has not upgraded functionality. An upgraded system will provide improved experience, interfaces, mobility, and workflow to streamline process execution. It will provide improved data analytics, visualization, and reporting capabilities to aid in faster decision making and service delivery. Additionally, the project will implement functionality not in the existing system such as Projects Accounting & Management, Grants Management, Contracts Management, Employee Performance Management and Talent Management. This is the second year of a two-year funded project for a total of \$14.0 million.

- **Server & Storage Hardware** **\$750,000**
This project covers the general sustainment and replacement of physical server hardware and data storage for the County. A major refreshment of these systems was completed in Fiscal Years 2021 and 2022, and the Department of Technology Services (DTS) is now operating in three data centers. The useful life of servers is generally five to seven years. Despite the County's pursuit of a Cloud Smart Strategy, it is anticipated that the County's data storage needs will continue to grow, whether the data is stored on-site or in the cloud. Should the Cloud Smart Strategy result in a decline in the overall on-premise required storage space, there may be a shift in the County's on-premise server hardware and storage needs. Total funding for this program is \$898,000; the balance of funding is from Short-term financing.

▪ **Workforce Device Modernization** **\$735,000**

This program provides funding for the cyclical replacement of workforce devices, including laptops and desktops utilized by the County. The goal of the program is to achieve a 70% laptop to 30% desktop device mix within the County. This program, formerly known as PC Replacement, is responsible for managing the replacement of approximately 2,905 laptops and 1,542 desktop devices on a rolling replacement cycle. Project funding includes an additional \$2,200,000 in short-term financing for a total FY 2024 program funding of \$2,935,000.

Public Safety **\$972,000**

The public safety section includes key system and asset replacements on a reasonable life cycle. The projects are funded between both PAYG funds and short-term financed dollars. The total public safety program is \$6.8 million, with \$5.8 million included in short-term financing. See the short-term finance section for project details.

▪ **Electronic Summons System** **\$222,000**

In FY 2015, the County began assessing a \$5.00 fee as part of the costs each criminal or traffic case in the district or circuit courts to purchase and implement an electronic summons system. With an electronic summons system, citation data would be automatically scanned and electronically entered at the point of activity, improving efficiency and accuracy in the processing of issued citations for Courts and Police personnel. Once the citation is complete, the transaction data would be sent electronically to the Court's case management systems, allowing violators to prepay their fines promptly and aid the Courts in managing their dockets while tracking their caseloads. The costs of the system include the software and hosting costs, peripheral equipment such as handheld devices and portable printers, installation, training, and system maintenance. The FY 2024 PAYG budget reflects the projected annual revenue from the fees. The e-summons system was implemented in early CY 2021. The balance of existing revenue and future revenue will be used to fund software, hardware and equipment costs associated with maintaining the system as allowed by State Code.

▪ **Police & Sheriff Portable Radios** **\$750,000**

Police and Sheriff mobile radios are installed in County vehicles and provide two-way communication between the Emergency Communication Center and public safety vehicles. In addition, these portable radios also allow for two-way communication with the Emergency Communications Center and all public safety agencies throughout the National Capital Region. This project covers replacement of 1,415 portable and mobile radios over a three-year period. The full cost of the first year of the project is \$2.85 million with \$2.1 million being funded through short-term financing in FY 2024. An additional \$2.85 million in funding in both FY 2025 and FY 2026 is required to replace all Police and Sheriff portable radios.

Arlington Neighborhoods Program **\$500,000**

This ongoing program funds a diverse set of infrastructure construction projects across the community. Since the 1960s, Arlington residents and civic associations have collaborated with the County to identify and plan infrastructure projects in their own neighborhoods. These projects have included everything from streetlight installation to street intersection reconfiguration to tree and landscape restoration to new sidewalk, curb, and gutter. The total program budget for Arlington Neighborhoods Program totals \$4.25 million which includes \$500k in bond premium and \$3.75 million in authorized unissued GO bond balances that fund the construction projects. Those dollars are included in the GO bond section and the projects are listed in the Capital Program Projects Lists section.

Arlington Economic Development (AED) Public Art **\$25,000**

Arlington is home to nearly eighty permanent public art projects. These projects are commissioned by the County to be integrated into various capital improvement projects, commissioned by developers as part of the site plan process, and initiated by communities. Just as Arlington County maintains streets, parks, and buildings, The County's public art collection cannot remain in its original condition without planning for maintenance.

▪ **Public Art Maintenance -Courthouse** **\$25,000**

This project is to maintain the County's public arts in the Courthouse area. Funding for this project will be transferred to PAYG from the trust and agency fund that is set aside for maintaining public arts in the courthouse area.

Capital Administration/Contingent **\$275,000**

The FY 2024 adopted budget continues funding for administrative support of capital projects tracking, reporting and procurement in the Department of Management and Finance.

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WHAT ARE BONDS?

Municipal bonds are debt securities the County sells to generate funding for capital investments that will then be paid back over time. When investors purchase County bonds, it is a debt that the County will repay in one or more years with interest. The County's regular payments to bond investors are called "debt service". The bond funding of capital investments operates under the principle of "inter-generational equity". Debt service is spread over multiple years in line with the useful life of an asset. This allows those residents who may benefit from the project over time to pay for it. There are many different types of bonds, which are primarily distinguished by the security backing them. The County primarily issues General Obligation (GO) bonds and subject-to-appropriation bonds. GO bonds are backed by the full faith and credit of the County, which is the strongest backing a municipal bond can have. Subject-to-appropriation bonds are secured by an annual appropriation of revenues sufficient to pay debt service. Due to this lack of the full faith and credit pledge, they typically carry a lower credit rating.

HOW DOES THE COUNTY ISSUE BONDS?

In Arlington County, the primary type of bonds issued are General Obligation (GO) bonds. These bonds carry the County's full faith and credit pledge and require that residents must first approve one or more bond referenda authorizing the issuance of GO bonds. These bonds are issued for capital projects as identified in the County's Capital Improvement Plan (CIP). The County seeks approval for referenda as part of regular elections, generally in November of even numbered years. If residents approve one or more bond referenda, then the County will include one or more projects approved under each referendum in a future sale of GO bonds based on each project's cashflow needs. The specific amounts of the bonds to be sold for each capital project are determined as part of the County's CIP. Typically, the County's CIP has a 10-year "planning horizon", which includes an adopted capital budget for the first year and nine forecasted future planning years. In FY 2023, the County adopted a ten-year CIP covering fiscal years 2023-2032, and six different bond referenda were approved by voters in November 2022.

GO BONDS AND THE CAPITAL IMPROVEMENT PLAN

The CIP is a planning document that identifies the capital needs of the community over a ten-year period. GO bond financing is one component of the overall funding plan in the CIP and is generally used to finance capital projects with average useful lives of more than 10 years, matching or exceeding the average maturity of the bonds issued. Full detail of the CIP can be found at <https://www.arlingtonva.us/Government/Programs/Budget-Finance/CIP>.

Prior to FY 2020, GO bond funding was appropriated at the time of bond issuance, typically in the spring of each fiscal year. Consistent with other capital funds, the appropriation of general obligation (GO) bond funded projects is now included as part of the operating budget.

As individual projects approved in the CIP advance and become more defined, the timing of when the County sells its bonds to investors may shift from the adopted CIP to align with changes to the timing or cashflow needs of the project. The bond dollars identified on the

following pages have been approved in previous CIP's and will be issued in FY 2024 for execution of the projects.

FY 2024 General Obligation Program Costs

Debt service on bonds to be issued in FY 2024 to finance the projects on the following pages will not begin until FY 2025 and will be included in that year's operating budget. The adopted FY 2024 debt service budget includes debt service on bonds issued or planned to be issued through FY 2024. The bonds and associated debt service adhere to the County's financial and debt management policies.

Fund	Program Area	General Obligation (GO) Bond Funding
314	Transportation	10,815,000
316	Arlington Neighborhoods	3,750,000
317	Government Facilities	24,945,000
317	Information Technology	575,000
333	Metro	21,500,000
322	Stormwater Management	41,845,000
324	Local Parks & Recreation	16,210,000
525	Utilities - Water	17,900,000
530	Utilities - AWT Plant	19,015,000
Total FY 2024 GO Bond Funding		\$156,555,000

FY 2024 short-term financed projects will replace aged and critical technology infrastructure including public safety equipment and synthetic turf fields at the end of their useful life. The FY 2024 debt service budget of \$8.77 million is included in the General Fund Non-Department budget for short-term financing. This annual debt service budget level covers the financing costs (principal and interest) of the projects included below.

SHORT-TERM FINANCE PROGRAM FUNDING			
	Capital	Auto Fund	Total Funding
Network Refreshment	\$1,310,000	-	\$1,310,000
Server & Storage Hardware	148,000	-	148,000
Telephone System Refreshment	1,000,000	-	1,000,000
Workforce Device Modernization	2,200,000	-	2,200,000
Subtotal - Technology Services	4,658,000	-	4,658,000
Washington-Liberty High School Stadium Field Replacement	590,000	-	590,000
Williamsburg Middle School Synthetic Fields Replacement	1,161,000	-	1,161,000
Subtotal - Parks & Recreation*	1,751,000	-	1,751,000
Fire Apparatus	-	2,300,000	2,300,000
Fire Defibrillators	3,700,000	-	3,700,000
Police & Sheriff Portable Radios	2,100,000	-	2,100,000
Subtotal - Public Safety	5,800,000	2,300,000	8,100,000
TOTAL Project Costs	\$12,209,000	\$2,300,000	\$14,509,000

* This amount does not include the Arlington Public Schools Contribution for synthetic field projects (\$1,087,000).

Enterprise Technology and Equipment **\$4,658,000**

Funding for the FY 2024 Enterprise Technology and Equipment program is for maintenance capital and hardware and application refreshment. Maintenance capital is for the ongoing replacement of aging computers, servers, networks and other equipment. The hardware and application refreshment category is to support and refresh software and management systems that provide the tools, capabilities, and processes that enable the County workforce to meet internal and external demands.

▪ **Network Refreshment** **\$1,310,000**

This project will replace and refresh end-of-life equipment that is responsible for providing network and wireless connectivity. The project includes the replacement of network equipment to support all County site locations. Additionally, this project includes expected security enhancements, such as the addition of security device licenses and hardware, as well as endpoint port security. This system is essential for providing connectivity for all County, Schools and Public Safety Voice, Data, and Video needs.

- **Server & Storage Hardware** **\$148,000**
 This project covers the general sustainment and replacement of physical server hardware and data storage for the County. A major refreshment of these systems was completed in Fiscal Years 2021 and 2022, and the Department of Technology Services (DTS) is now operating in three data centers. The useful life of servers is generally five to seven years. Despite the County's pursuit of a Cloud Smart Strategy, it is anticipated that the County's data storage needs will continue to grow, whether the data is stored on-site or in the cloud. Should the Cloud Smart Strategy result in a decline in the overall on-premise required storage space, there may be a shift in the County's on-premise server hardware and storage needs. Total funding for this program is \$898,000; the balance of funding is from PAYG.
- **Telephone System Refreshment** **\$1,000,000**
 This project will modernize the County's voice communication system in order to support a more mobile workforce and to provide a wider range of public communication options. The project implements a Cloud-based solution that can accommodate Contact Call Centers, supporting multiple languages, voice, and alternative communication options such as text and chatbots. A Telephone System Study was conducted and completed in Spring 2022, which is informing the implementation of this replacement project. The Study cost \$300,000 for a total project cost of \$1,300,000.
- **Workforce Device Modernization** **\$2,200,000**
 This program provides funding for the cyclical replacement of workforce devices, including laptops and desktops utilized by the County. The goal of the program is to achieve a 70% laptop to 30% desktop device mix within the County. This program, formerly known as PC Replacement, is responsible for managing the replacement of approximately 2,905 laptops and 1,542 desktop devices on a rolling replacement cycle. Project funding includes an additional \$735,000 in PAYG funds for a total project cost of \$2,935,000.

Parks Program **\$2,838,000 (\$1,751,000 County/\$1,087,000 APS)**
 Funding for the FY 2024 Parks Program will be used to fund the replacement of an existing synthetic turf field that is approaching the end of its useful life, a track replacement, and to proactively address facility equipment that is currently at or near the end of its life cycle. For synthetic field replacements, Arlington County and Arlington Public Schools split project costs according to existing cost-sharing agreements.

- **Washington-Liberty High School Stadium Field Replacement** **\$1,180,000**
 These funds will be used for the design and construction for the replacement of the synthetic turf surfacing on the stadium athletic field. Costs include design development, replacement of the synthetic turf and infill, repairs to the base layer and under-drain system, replacement of field amenities, and construction administration. The project cost-share between the County and APS is 50/50 (\$590,000 Arlington County/\$590,000 APS).
- **Williamsburg Middle School Synthetic Fields Replacement** **\$1,658,000**
 These funds will be used for the design, construction and replacement of the synthetic turf surfacing on the stadium athletic field. Costs include design development, replacement of the synthetic turf and infill, repairs to the base layer and under-drain system, replacement of field amenities, and construction administration. The project cost-share between the County and APS for this project is 70/30 (\$1,161,000 Arlington County/\$497,000 APS).

Public Safety **\$8,100,000**

The Public Safety program funds will be used to fund key projects that will keep existing information technology systems and fire apparatus refreshed or replaced on a reasonable life cycle so that the systems remain useful, operable, and responsive to public safety needs. The program includes \$5,800,000 in Short-Term Financing funds and \$2,300,000 from the Auto Fund.

▪ **Fire Apparatus** **\$2,300,000**

In FY 2016, one class "A" pumper, one aerial ladder, and one aerial platform vehicle were replaced and have now reached the end of their eight-year useful life. The \$2,300,000 funding request will replace these three fire vehicles. This project is funded through the Auto Fund.

▪ **Fire Defibrillators** **\$3,700,000**

Defibrillators are critical life-saving emergency medical services (EMS) equipment. The equipment is used for many different medical emergencies including cardiac arrest, trauma, etc. Defibrillators can send patient information directly to the receiving emergency department while enroute which improves patient care at hospital. In order to maintain operational readiness and ensure the Fire Department is utilizing the most up to date technology possible, the portable defibrillators must be replaced every seven years. This ensures that patients receive the highest quality pre-hospital care possible and improves patient outcomes. The equipment's useful life is seven to ten years.

▪ **Police & Sheriff Portable Radios** **\$2,100,000**

Police and Sheriff mobile radios are installed in County vehicles and provide two-way communication between the Emergency Communication Center and public safety vehicles. In addition, these portable radios also allow for two-way communication with the Emergency Communications Center and all public safety agencies throughout the National Capital Region. This project covers replacement of 1,415 portable and mobile radios over a three-year period. The full cost of the first year of the project is \$2.85 million with \$750k being funded through PAYG in FY 2024. An additional \$2.85 million in funding in both FY 2025 and FY 2026 will be needed to replace all Police and Sheriff portable radios. The useful life of the equipment is seven to 10 years.

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Transportation Capital Program FY 2024 Capital Program Project List				
Project Description	PAYG	Bond Premium	GO Bonds	Total Budget
*BIKEArlington	-	-	-	-
Bridge Maintenance	\$700,000	-	\$700,000	\$1,400,000
*Bus Stop ADA Program	250,000	-	-	250,000
Curb & Gutter Missing Links	-	-	65,000	65,000
ITS Device Replacement	291,000	-	150,000	441,000
*Neighborhood Complete Streets	-	-	-	-
Parking Meters	-	-	295,000	295,000
*Parking Technology	-	-	-	-
Paving -Hot Mix Overlay	695,000	-	8,700,000	9,395,000
Paving - Microsurfacing	450,000	-	-	450,000
Paving - Slurry Seal	450,000	-	-	450,000
*Streetlighting	877,000	-	905,000	1,782,000
*Sidewalk, Curb & Gutter	150,000	-	-	150,000
Street Safety Improvements	174,000	-	-	174,000
*Trail Light Maintenance	-	-	-	-
*Transportation Asset Management	-	-	-	-
Transportation Systems & Traffic Signals	400,000	-	-	400,000
*WALKArlington	-	-	-	-
Total Projects	\$4,437,000	-	\$10,815,000	\$15,252,000

*These projects include funding from other fund sources such as Transportation Capital Fund (TCF) or grant dollars.

Paving -Hot Mix Overlay - Paving has been increased to 75 lane miles annually. This includes about three lane miles of streets without curb and gutter.

Paving - Microsurfacing - Microsurfacing extends the life of pavement for arterial streets at a lower per square yard cost.

Paving - Slurry Seal - Slurry Seal extends the life of pavement on residential streets at a much lower per square yard cost.

CAPITAL PROGRAM PROJECT LISTS
GENERAL CAPITAL PROJECTS FUND

Facilities Capital Program FY 2024 Capital Program Project List				
Project Description	PAYG	Bond Premium	GO Bonds	Total Budget
Facilities Maintenance Capital				
3700 S. Four Mile Run Roof Renovation	-	-	\$1,300,000	\$1,300,000
Arlington Mill Community Center-Water Intrusion		\$705,000	45,000	750,000
Courts Police Building Elevator Improvements	-	-	4,100,000	4,100,000
Courts Police Building Fire Alarm Systems Replacement	-	750,000	-	750,000
Fire Station #1 & #9 Bay Floor Repair	-	1,000,000	-	1,000,000
Fire Station #5 Kitchen Exhaust Replacement	\$100,000	-	-	100,000
Fire Training Academy Façade Repair	-	-	500,000	500,000
Lubber Run Amphitheater-Roof/ Wall Replacement	-	300,000	-	300,000
Quincy Site HVAC upgrades	-	-	3,200,000	3,200,000
Madison Community Center Refresh	-	-	1,740,000	1,740,000
Walter Reed CC Fire System	78,000	122,000	-	200,000
Water Sewer Small Engine Shop-AHU replacement *	48,000	-	-	48,000
Critical Systems Infrastructure				
Replacing the HVAC unit at the CHP Radio site.	-	-	160,000	160,000
Facilities Design & Construction				
ADA Remediation	150,000		-	150,000
Crystal City Library	-	1,000,000	-	1,000,000
Courthouse Complex Renovations & Infrastructure	-	-	8,200,000	8,200,000
Fire Station Replacements and Additions	-	-	3,400,000	3,400,000
Situational Awareness Center	-	-	1,800,000	1,800,000
Trades Center Optimization Study	-	-	500,000	500,000
Interior Maintenance				
Facility Finishes and Furnishings - System's Infrastructure	300,000	-	-	300,000
Energy Management				
Electric Vehicle Chargers - Internal Accessibility	355,000	-	-	355,000
Electric Vehicle Chargers - Public Accessibility	350,000	-	-	350,000
Energy Performance Upgrades -County Buildings	475,000	-	-	475,000
Total Projects	\$1,856,000	\$3,877,000	\$24,945,000	\$30,678,000

* The total budget for Water Sewer Small Engine Shop-AHU replacement is \$160,000 and PAYG funds only 30% of the cost (\$48,000). The remaining \$112,000 will be funded by the Utilities Fund.

CAPITAL PROGRAM PROJECT LISTS
GENERAL CAPITAL PROJECTS FUND

Parks Capital Program FY 2024 Capital Program Project List					
Project Description	PAYG	Bond Premium	GO Bonds	Short-term Financing	Total Budget
Parks Maintenance Capital					
Arlington Boathouse	-	-	\$2,925,000	-	\$2,925,000
Bailey's Branch Park Playgrounds - Design *	-	-	1,490,000	-	1,490,000
Capital Asset Manager	\$170,000	-	-	-	170,000
Doctor's Run Park Playground Replacement - Design	-	\$623,000	-	-	623,000
Douglas Park - Design/Construction	-	-	1,800,000	-	1,800,000
Feasibility Studies & New Implementation Funds	200,000	-	-	-	200,000
Field Funds (covered by field fees)	270,000	-	-	-	270,000
Fitness/Community Center Equipment Replacement	100,000	-	-	-	100,000
Gateway Park	-	-	1,785,000	-	1,785,000
Jennie Dean Park, Phase 2	-	-	3,485,000	-	3,485,000
Nature Resiliency Program	-	-	2,000,000	-	2,000,000
Three Urban Parks	-	-	950,000	-	950,000
Trail & Bridge Modernization Program	-	-	1,500,000	-	1,500,000
Woodmont Playground Safety Repairs	-	-	1,025,000	-	1,025,000
Synthetic Fields Program					
Washington Liberty High School Stadium Field Replacement **	-	-	-	\$590,000	590,000
Williamsburg Middle School Synthetic Field Replacement ***	-	-	-	1,161,000	1,161,000
Total Projects	\$740,000	\$623,000	\$16,960,000	\$1,751,000	\$20,074,000

*Includes \$750,000 from Arlington Neighborhoods Program bond balances.

**Total project cost is \$1,180,000 of which Arlington Public School (APS) will pay \$590,000 in accordance with the cost-sharing agreement (50% ACG / 50% APS).

***Total project cost is \$1,658,000 of which APS will pay \$497,000 in accordance with the cost-sharing agreement (70% ACG / 30% APS).

CAPITAL PROGRAM PROJECT LISTS
GENERAL CAPITAL PROJECTS FUND

Information Technology Capital Program FY 2024 Capital Program Project List					
Project Description	PAYG	Bond Premium	GO Bonds	Short-term Financing	Total Budget
Human Services (DHS)					
Child Welfare Purchase of Service Software (Year 2 of 3)	\$540,000	-	-	-	\$540,000
Day Care Center & In-Home Child Care Licensing System (Year 2 of 2)	540,000	-	-	-	540,000
Enterprise Technology Services					
ConnectArlington Upgrades	-	-	\$575,000	-	575,000
DTS-hosted Legacy Application Cloud Migration Project (Year 2 of 3)	1,090,000	-	-	-	1,090,000
Granicus	70,000	-	-	-	70,000
Human Resources/Financial System Refreshment	-	\$7,000,000	-	-	7,000,000
Network Equipment & Power Systems	-	-	-	\$1,310,000	1,310,000
Servers & Hardware	750,000	-	-	148,000	898,000
Telephone Study & System Upgrade	-	-	-	1,000,000	1,000,000
Workforce Device Refreshment (formerly PC Replacement)	735,000	-	-	2,200,000	2,935,000
Public Safety					
Fire - Defibrillators	-	-	-	3,700,000	3,700,000
Fire - Apparatus *	-	-	-	2,300,000	2,300,000
Police-E-Summons System (covered by court fees)	222,000	-	-	-	222,000
Police & Sheriff Public Safety Radios	750,000	-	-	2,100,000	2,850,000
Total Projects	\$4,697,000	\$7,000,000	\$575,000	\$10,458,000	\$22,730,000

* Fire Apparatus is funded through the Auto Fund and is not counted against the County's Short-term Finance total. The \$2.3M for Fire Apparatus is not included in the total.

CAPITAL PROGRAM PROJECT LISTS
GENERAL CAPITAL PROJECTS FUND

Project Description	Bond Premium	GO Bonds	Total Budget
15th St N. Street - Street Improvement	-	\$1,300,000	\$1,300,000
16th Street N. - Streetlight	-	600,000	600,000
S. Buchanan Street - Streetlight	-	200,000	200,000
S. Manchester Street	-	600,000	600,000
6th St N & N. Edison St	-	300,000	300,000
ANP Project Management	\$500,000	-	500,000
Baileys Branch Park*	-	750,000	750,000
Total Projects	\$500,000	\$3,750,000	\$4,250,000

* - This is a parks project utilizing \$750,000 in ANP bond funds and \$740,000 in Park bond funds.

**Public Art Capital Program
FY 2024 Capital Program Project List**

Project Description	PAYG	Total Budget
Public Arts Maintenance	\$25,000	\$25,000
Total Projects	\$25,000	\$25,000

**Regional Contributions & Contingents
FY 2024 Capital Program Project List**

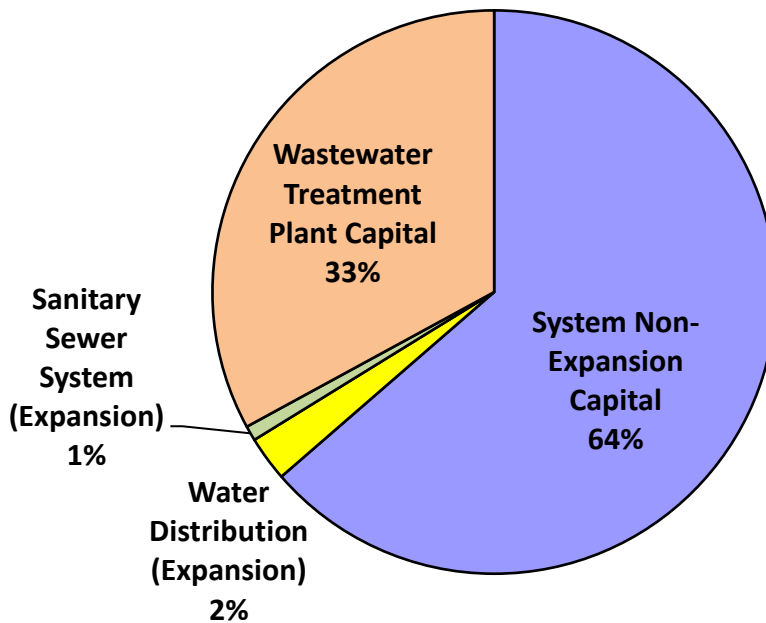
Project Description	PAYG	Total Budget
Capital Administration & Contingent	\$275,000	\$275,000
Northern Virginia Criminal Justice Academy (NVCJA) - Debt Service	145,000	145,000
Regionals - NOVA Parks (NVRPA)	707,000	707,000
Total Projects	\$1,127,000	\$1,127,000

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Our Mission: To provide and maintain a water distribution system, a sewage collection system, and a wastewater treatment plant

The Department of Environmental Services is responsible for managing the Utility Fund, which includes providing and maintaining a water distribution system, a sewage collection system, and a wastewater treatment plant. The Adopted FY 2024 Utility Fund Pay-As-You-Go Budget Summary, program budget appropriation distribution graph, project descriptions, and fund statement are included on the following pages.

Distribution of Fund Budget



FY 2024 ADOPTED PAYG BUDGET SUMMARY

PROGRAM CATEGORY	AMOUNT
UTILITIES	
Wastewater Treatment Plant Capital Sustainment	\$9,575,000
Water-Sewer Maintenance Capital	18,500,000
Water Distribution System Improvements	750,000
Sanitary Sewer System Improvements	250,000
Total Project Cost	29,075,000
Less: Infrastructure Availability Fees & Other Revenue	7,900,000
Less: Inter-Jurisdictional Partner Contributions	7,415,000
Less: Interest Income & Miscellaneous Revenues	350,000
Less: Transfer in from General Fund	100,000
Net Utilities Funds Support	\$13,310,000

FY 2024 ADOPTED UTILITIES BUDGET

Wastewater Treatment Plant Capital Sustainment \$9,575,000

- **Water Pollution Control Plant Maintenance Capital Program.** This program provides for the annual repair, replacement, and upgrade of current equipment and infrastructure at the plant and lift stations. Major program components include refurbishing or replacing equipment to prevent premature failure, infrastructure improvements, and automating treatment processes to increase operational efficiency, reliability, and redundancy. Additionally, studies of alternative treatment processes to increase efficiency and reduce environmental impact are funded through this program (\$1,785,000).
- **Solids Master Plan (Re-Gen) Phase 1 - Immediate Needs.** Immediate project needs to replace solids handling critical equipment that are failing, labor-intensive, and costly to maintain; this includes a suite of projects. The bar screen and scum concentrator replacements are under construction during FY 2023 and continue through FY 2024 (\$330,000).
- **Solids Master Plan (Re-Gen) Phase 2 – Intermediate Needs.** Projects that need to be completed in advance of Phase 3 which may involve additional equipment replacement or demolition of underutilized facilities in preparation for the Phase 3 construction (\$1,580,000).
- **Solids Master Plan (Re-Gen) Phase 3 – Class A Biosolids / Long Range Needs.** The Solids Master Plan will modernize solids treatment facilities and create opportunities for resource recovery. The plant currently produces an alkaline stabilized Class B biosolids product but is planning to produce Class A biosolids after the plan’s implementation. This phase implements the long-term solution to producing a Class A biosolids product. The Solids Master Plan was approved by the County Board in July 2018 with a commitment to continue to communicate with stakeholders and to collaborate with local utilities. In FY 2024, design is expected to continue for this multi-year construction program (\$2,570,000).

- **Technology Enhancements.** This program provides funding for the Plant’s Process Control System (PCS) and other networked cybersecurity related initiatives. Several discrete projects have been identified as part of this program (\$825,000).
- **Asset Management and Work Order System Replacement.** The current asset management and work order system is nearing end of life. This funding will be used to implement a replacement system (\$300,000).
- **Primary Clarifier Upgrades.** This project will evaluate and rehabilitate / improve equipment and facilities associated with the primary clarifiers to ensure alignment with industry best practices. The last upgrade to the system was approximately twenty years ago. A holistic assessment of the equipment, facilities, process, and future needs is desirable to determine what improvements are needed to ensure the continued reliability and sustainability of this system (\$170,000).
- **Secondary Clarifiers.** Rehabilitation and / or replacement of secondary clarifiers 1, 2, and 3 is necessary to restore the tanks to full working condition and help assure compliance with the permit (\$530,000).
- **Odor Control Upgrades.** This project will design and construct improvements to the three odor control systems at the WPCP to address capacity, efficiency, and maintenance issues (\$275,000).
- **Blue Plains Plant Capital.** The District of Columbia Water and Sewer Authority Blue Plains Plant processes a portion of Arlington County’s sewage after transmission through Fairfax County mains. The capital program funds Arlington’s annual payment through Fairfax County to the Blue Plains Plant for capital improvements. It also funds improvements to the transmission system. Payment is due under the terms of the October 3, 1994, Sewage Conveyance, Treatment, and Disposal Agreement with Fairfax County (\$1,210,000).

Water-Sewer Maintenance Capital

\$18,500,000

The funding for these projects comes primarily from a transfer from the Utilities Operating Fund, which is an enterprise fund. The revenues for this enterprise fund are derived primarily from water and sewer utility billings. Infrastructure Availability Fees (IAF) charged to new users who increase demands on the system are an additional funding source for these projects. The following projects and programs are planned to replace and rehabilitate the County’s water distribution and sewage collection system, and to pay for the County’s share of planned capital improvements at the Washington Aqueduct.

- Water main replacement program (\$5,500,000)
- Non-expansion inflow & infiltration sanitary sewer capital repairs & replacements (\$3,000,000)
- Large diameter sewer rehabilitation / replacement (\$1,145,000)
- Water main cleaning and re-lining projects (\$1,500,000)
- Water / sewer frames and covers (\$850,000)
- Sewer main & sewer force main replacement programs (\$900,000)
- Manhole rehabilitation (\$500,000)
- Large diameter water main rehabilitation / replacement (\$450,000)
- Small diameter valve rehabilitation & replacement (\$250,000)
- Large meter vault rehabilitation & replacement (\$200,000)
- Pump station maintenance capital (\$100,000)
- Water-sewer technology improvements (\$2,605,000)

- Capital improvements at the Washington Aqueduct (\$1,500,000), from which the County purchases drinking water. Arlington County pays approximately 16.25 percent of the capital costs for this organization.

Water Distribution System Improvements

\$750,000

The water main projects in this program are designed to improve overall capacity or operation of the water distribution system. These projects are part of the Water Master Plan. Funding for these projects is generated from fees charged to new users who increase demands on the water distribution system.

- Improvements for development (\$500,000)
- Pump station improvements (\$250,000)

Sanitary Sewer System Improvements

\$250,000

The sanitary sewer improvements are intended to provide additional capacity to existing sanitary sewer lines to accommodate new development in Arlington County. These projects are part of the Sanitary Sewer Master Plan. Funding for this program is generated from fees charged to new users who increase demands on the sewer system.

- Improvements for development (\$250,000)

TOTAL UTILITIES BUDGET

\$29,075,000

UTILITIES CAPITAL PROJECTS FUND
FUND STATEMENT

	FY 2022 ACTUAL	FY 2023 ADOPTED	FY 2023 RE-ESTIMATE	FY 2024 ADOPTED
ADJUSTED BALANCE, JULY 1	\$41,683,431	\$43,392,530	\$43,392,530	\$26,977,530
REVENUES:				
Infrastructure Availability Fees	9,290,895	6,900,000	6,900,000	7,900,000
Sewage Treatment Service Charges	903,896	4,005,000	1,550,000	7,415,000
Interest	(879,877)	350,000	350,000	350,000
Misc. Revenue	6,904	-	-	-
TOTAL REVENUE	9,321,818	11,255,000	8,800,000	15,665,000
Transfers In (Out):				
Transfer in from General Fund	-	460,000	460,000	100,000
Transfer In from Utilities Operating Fund	15,548,000	15,295,000	15,295,000	13,310,000
TOTAL TRANSFERS IN	15,548,000	15,755,000	15,755,000	13,410,000
TOTAL BALANCE, REVENUES AND TRANSFERS IN	66,553,249	70,402,530	67,947,530	56,052,530
EXPENDITURES:				
Capital Projects - Current Year	23,160,719	27,010,000	24,555,000	29,075,000
Capital Projects - Carry-Over	-	10,875,000	16,415,000	17,060,000
TOTAL CAPITAL EXPENDITURES:	23,160,719	37,885,000	40,970,000	46,135,000
BALANCE, JUNE 30	\$43,392,530	32,517,530	\$26,977,530	\$9,917,530

Most capital projects span multiple years, from design to construction completion. The FY 2022 Actual and FY 2023 Re-Estimate columns reflect that funding for capital projects are carried forward each fiscal year, and ending balances fluctuate, reflecting the carryover of these funds. The FY 2024 Adopted Budget column is presented in a similar fashion to show planned execution of projects in the fiscal year. These are staff's best estimates based on preliminary plans and design and construction schedules.

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