

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 2023 CAPITAL PROGRAM

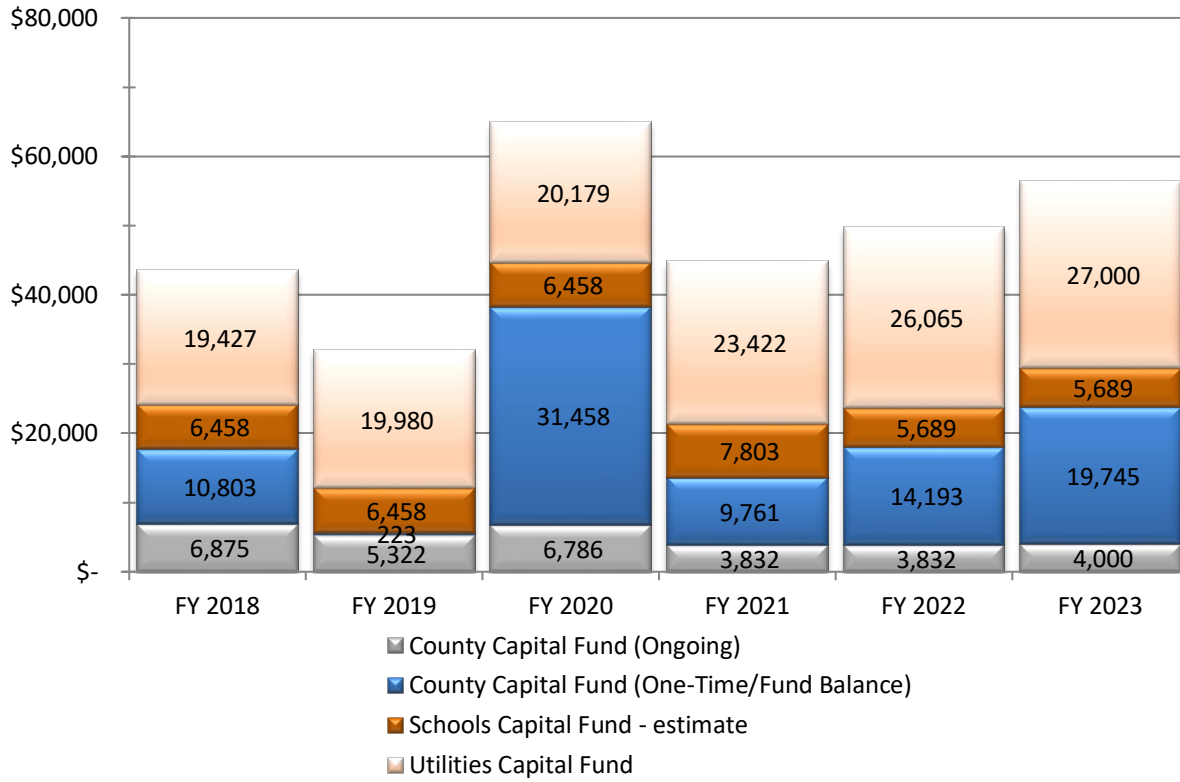
The proposed General Capital Projects Fund budget or Pay-As-You-Go (PAYG) for FY 2023 is \$23.7 million. Funding for this program comes from a variety of sources including a transfer in of ongoing funds from the General Fund (\$4.0 million), bond premium balances (\$12.7 million), and other carryover and/or reallocated balances (\$7.1 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 proposed 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 2023 Proposed PAYG budget of \$27 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 Proposed FY 2023 PAYG budget is estimated at \$5.69 million, which includes major maintenance and minor construction funding.

PAY-AS-YOU-GO APPROPRIATION HISTORY
FY 2018 - FY 2023
(\$ in 000's)



FY 2023 PAYG CAPITAL EXPENDITURES BY PROGRAM AREA

PAYG and BOND PREMIUM FUNDED PROJECTS

PROGRAM CATEGORY	Ongoing Funds	One-Time/ Reallocated Balances	FY 2021 Bond Premium Funds	FY 2023 Proposed
Regional Partnerships	805,872	-	-	805,872
Transportation Maintenance Capital	-	1,584,098	1,361,902	2,946,000
Transportation Multi-Modal	-	473,000	-	473,000
Transportation Street Safety	-	-	378,000	378,000
Facilities Maintenance Capital	200,000	425,000	1,960,000	2,585,000
Energy Management	125,000	-	-	125,000
Facilities Design and Construction	-	1,200,000	563,000	1,763,000
Parks Maintenance Capital	390,000	200,000	638,000	1,228,000
Human Services Technology	-	600,000	-	600,000
Enterprise Technology	1,105,000	-	7,000,000	8,105,000
Neighborhood Conservation	500,000	-	-	500,000
Public Safety	133,000	-	750,000	883,000
Public Art	174,000	-	-	174,000
Land Acquisition	-	2,500,000	-	2,500,000
Capital Contingency/Admin	567,128	112,187	-	679,315
Total Projects	\$4,000,000	\$7,094,285	\$12,650,902	\$23,745,187

1) Numbers may not add due to rounding.

Regional Partnerships \$805,872

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 Regional Park Authority \$671,628**

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.

▪ **Northern Virginia Criminal Justice Academy \$134,244**

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 2023 budget reflects Arlington’s contribution towards the annual debt payments of the EVOC.

Transportation – Maintenance Capital **\$2,946,000**

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).

▪ **Paving Program** **\$1,549,000**

The County currently maintains 1,059 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 helps to maintain a 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.

▪ **Bridge Maintenance** **\$767,000**

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 2023, the program is anticipating undertaking repairs and maintenance of the following bridges (one of which is a culvert): South Walter Reed Drive over Four Mile Run Bridge, South Four Mile Run Drive over Doctors Branch Culvert, Carlin Springs over Four Mile Run Bridge, George Mason Drive over Four Mile Run Bridge - Scour Repairs, and 17th Street Ramp "B" over Garage Entrance.

▪ **Street Lighting Management** **\$427,000**

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 owned by the County, which have all been converted to LED, and about 11,200 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.

▪ **Parking Meters** **\$185,000**

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 1,450 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.

▪ **Trail Light Maintenance** **\$18,000**

The program includes minor repair and maintenance of approximately 350 trail lights across approximately ten miles of trails. The repair and maintenance includes 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.

Transportation Multi-Modal Programs **\$473,000**

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** **\$160,000**

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. PAYG funding is specifically used for multiple ongoing subprograms including bike parking, wayfinding signs, and counters. Bicycle parking involves rack installation in the public right of way and at public facilities. Funding for wayfinding signs helps fill gaps in the current system. Funding is also used to operate our system of 40 trail and street bicycle and pedestrian automated counters. This data is used to track trail usage which helps guide investment, management, and maintenance activities, and is available to the public on a dedicated page at BikeArlington.com.

▪ **WALKArlington** **\$10,000**

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 Neighborhood Conservation and Neighborhood Complete Streets programs. PAYG funding is used to fund high-priority pedestrian spot improvements that do not qualify for other sources of funding.

▪ **Transportation Asset Management** **\$103,000**

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 helps the County to develop and maintain a management system that not only keeps records but also makes data more accessible and analytical. This includes the development of a central traffic database that can house both historic and recent transportation data, including but not limited to: 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.

▪ **Neighborhood Complete Streets** **\$200,000**

The Neighborhood Complete Streets (NCS) program implements projects on non-arterial streets where a critical need has been identified and justified through objective criteria, recently updated 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. The program uses a variety of funding sources, including PAYG. PAYG funding allows for the implementation of tactical measures as an economical way to address some project locations, as well as testing of innovative treatments. These uses are not eligible for transportation capital or bond funding. Examples of these tactical treatments include the use of pavement markings, bollards, and signs to modify intersections, streets and crossings.

Transportation Street Safety **\$378,000**

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** **\$378,000**

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 will implement 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 will 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 will be prioritized. Potential projects include installing protected bike lanes or separated bike lanes on arterial and principal neighborhood streets, pedestrian crossing enhancements across arterial and principal neighborhood streets, SMD parking corrals, minor lighting upgrades, and enhancements around high-conflict areas such as locations with high transit ridership.

Facilities Maintenance Capital Program **\$2,260,000**

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.

- **Sullivan House – Upgrade and Systems Replacements** **\$990,000**
This project includes a finish upgrade on the Sullivan House, an emergency shelter in Arlington County that operates 24 hours a day, seven days a week. The facility has ten, one and two bedroom apartments and can accommodate up to approximately 14 families at a time. This work includes upgrading the fire system, repairing exterior brick, replacement of window HVAC units, new flooring, and renovating the kitchen and bathrooms that have reached the end of their useful life. The new equipment will all be energy-efficient reducing future utility expenses.
- **Courts Police Building - Electrical Equip. and Panel Re-Commissioning** **\$200,000**
This project will re-commission electrical panels and equipment in the Courts Police buildings to eliminate the risk of potential electrical spikes caused by loose electrical wire connections.
- **3700 S. Four Mile Run – Window Replacement** **\$300,000**
The window system at 3700 S. Four Mile Run is in failure and causing interior damage due to water intrusion. The new windows will provide better energy performance to the building and reduce future utility expenses.
- **Residential Program Center – Fire Alarm System Replacement** **\$150,000**
The existing Fire Alarm system is obsolete and has reached the end of its useful life. The equipment software is no longer supported by the manufacturer.
- **Fire Station 5 – Roof Replacement** **\$420,000**
The existing green roof at this facility is 15 years old and has reached the end of its useful life, with more frequent leaks and repairs. A green roof has a layer of vegetation planted on top of a flat or slightly sloped roof. This will provide better energy performance to the building and reduce future utility expenses.
- **Electric Vehicle (EV) Charging Infrastructure for Internal Use** **\$200,000**
To support the County’s conversion to electric vehicles, the County will install a network of charging locations throughout County facilities and garages. This effort will span multiple years and be implemented in coordination with the Equipment Bureau’s electric vehicle purchasing/replacement plan.

Critical Systems Infrastructure (CSI) **\$325,000**
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.

- **Court Square West-ECC** **\$150,000**
This project will replace the end-of useful life HVAC units with more energy-efficient equipment. The existing units are requiring more frequent and costly repairs and the equipment software is no longer supported by the manufacturer.
- **Fire Station IT Closet** **\$75,000**
This project will fund safety/security upgrades in the Fire Station technology rooms to address issues identified in a recent safety/ security audit conducted by Police.

- **Trade’s Network Operations Center (NOC) HVAC** **\$100,000**
Due to the mission critical nature of the location, the HVAC units must be replaced ahead of their end of useful life to ensure continuity of operations. The new HVAC units will be energy-efficient, reducing future utility expenses.

Facilities Design and Construction Program **\$1,763,000**

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.

- **Facility Planning & Feasibility Studies** **\$300,000**
This ongoing program funds studies of the County’s short-term, intermediate, and long-term facility and space planning needs by outside experts. These studies enable the County to thoughtfully manage current facilities, properly scope future capital improvement projects, and accurately estimate future cost impacts in facilities across the community.

- **ADA Remediation** **\$250,000**
This ongoing program funds small-to-medium sized construction projects at County facilities to improve accessibility for people with disabilities in accordance with the Americans with Disabilities Act (ADA). In FY 2023, funding will be used to construct ADA remediation for two existing staff restrooms at the Detention Center that have already been designed and permitted.

- **Central Library** **\$563,000**
This project will complete the next phase of the original scope envisioned in 2017. This phase will include: replacing flooring, painting, construction of two new offices, audio visual equipment upgrades, and replacement of auditorium and miscellaneous furniture throughout the library.

Over the past 15 years, Libraries have evolved with the way they use technology, and how people choose to gather and obtain research and reading materials. With these changes in mind, Central Library, Arlington’s largest library, continues to evolve by rethinking service delivery methods for the residents. This multi-phased project supports the libraries’ new methods of service delivery.

- **Systems Furniture Replacement** **\$300,000**
The County’s inventory of systems furniture is at the end of its useful life and needs to be replaced due to changing technology and supporting ergonomic standards for employees. In many facilities, furniture is over 30 years old, and no longer offered by the manufacturer. It has become challenging to procure replacement parts and the electrical components are obsolete and failing. This program funds replacement of systems furniture in a systematic approach that replaces the oldest inventory first. The funding will also include the data and electrical upgrades needed to support the new workstation. The first facility to be updated is the Central Library, which will include approximately 70 workstations and 20 offices and will take three years to complete, assuming \$300,000 of funding annually.

- **Interior Maintenance Capital Renovations** **\$250,000**
The program funds the systematic interior refurbishment of flooring, wallpaper, painting and signage at facilities based on a ranking of needs based on facility condition assessments and staff assessments of our more than 90 County-owned and leased buildings. In the current building inventory mix, there are quality and appearance disparities between newer buildings and existing buildings that have many remaining years of useful life. The goal is to bring greater parity in quality between facilities regardless of their original date of construction. Projects for FY 2023 include: Detention Center Medical Unit upgrade with existing cabinets in inventory

(\$120k); Girls Outreach flooring (\$15k); 7th floor CSW flooring (\$15k); Fire Station 2, 4, and 5 interior painting (\$100k).

- **Chair Replacement** **\$100,000**
This program funds the systematic replacement of task chairs throughout County facilities. Consistent with industry standard for life span, existing chairs ten years or older will be replaced. The current funding levels allows for the replacement of approximately 200 chairs per year. This is the fourth year of an eleven-year program. The next group of chairs to be replaced will be for Libraries staff and at the Arlington County Trades Center, where chairs average between 15 - 25 years old. Prior year's chair replacements have occurred at the Courts Police building, Detention Center, and the Bozman Government Center.

Energy Management **\$125,000**
The Energy Management Program invests funds in various energy efficient capital improvements that advance the goals of the Community Energy Plan (CEP).

- **Energy Vehicle Charging Infrastructure for Public Use** **\$125,000**
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. County staff are currently scoping sites such as the parking lots at Central Library and the Bozman Government Center.

Parks Maintenance Capital Program **\$1,228,000**
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** **\$165,000**
This funding is for the staff position that manages the Parks Capital Asset Program.
- **Parks Field Fund** **\$225,000**
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. The fees assessed for rectangular fields are directed to support replacement and construction of synthetic turf fields in the County (\$165,000). The fees assessed on diamond fields (\$60,000) are to be used each year for specific diamond field enhancements, such as improved irrigation, batting cages or accelerated sod replacement. The FY 2023 PAYG budget reflects the projected annual revenue from FY 2022 generated fees. In FY 2023, the field fund fees are proposed to increase and the fees restructured. The additional revenue associated with the fee increase will be reflected for the projects proposed in the FY 2024 PAYG budget and is estimated to be additional \$50,000.
- **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.

▪ **Bailey’s Branch Park Design** **\$398,000**

This project is for design funding for the replacement of the playground, site circulation, site furnishings, landscaping and stormwater management improvements. This is a heavily used playground and contains a pre-school play structure and a school-age play structure. This is one of the older playgrounds in the County and replacement parts are no longer available from the playground manufacturer. The Neighborhood Conservation program has also made replacement of this playground a priority for funding. Their funding is anticipated to be used to supplement construction funding with that from DPR in FY 2024.

▪ **Woodmont Playground Design** **\$240,000**

This project is for design funding for the replacement of the playground, site circulation, site furnishings, landscaping, stormwater management improvements and milling and paving the small parking lot. This is one of the older playgrounds in the County and replacement parts are no longer available from the playground manufacturer.

Technology **\$8,838,000**

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 \$25.9 million with \$17.1 million being funded through other sources. See the project list for additional funded projects.

▪ **Day Care Center & in-Home Child Care Licensing System** **\$300,000**

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 project. The total cost for the system is \$550,000. The FY 2022 funding of \$250,000 was for initial planning and procurement of the system.

▪ **DHS Child Welfare Purchase of Service Software** **\$300,000**

This project is to replace the current staff supported and maintained 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 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 anticipated to be \$1.25 million. The FY 2022 funding was for initial planning and procurement of the system and the balance of funding (\$650,000) will be funded as part of the FY 2024 budget.

▪ **Business Process Automation** **\$300,000**

Business Process Automation (BPA) is a software tool that will build, deploy, and automate County business tasks. Simple and repetitive tasks could be aggregated into a simple execution of an automated script. The result is a process that can be executed with increased quality and speed, reducing opportunities for human error, freeing staff to devote more time to decision-making, conducting analysis, and delivering services to the community more efficiently and effectively. BPA tools utilize user-friendly technology that requires little to no program coding, empowering non-technical business users to assist in the development and deployment of process

automation. This feature allows for faster implementation of automation and with greater ease than traditional technology-driven integrations. This funding will be used for consulting and implementation services for various BPA projects and initiatives across the entire County.

▪ **Courtroom Upgrades to Support Body Worn Camera Program** **\$255,000**

Upgrade two courtrooms to support the display of digital evidence from Body Worn Cameras. These are the last two courtrooms that require upgrades. Courtrooms 4A and 4B are used by the Juvenile and Domestic Relations Court. The Body Worn Camera program was implemented in January 2021. Ongoing costs to maintain courtroom technology are included in the FY 2023 Police Department operating budget.

▪ **Legacy Application Cloud Migration** **\$550,000**

Migrating the County's key applications to the Public Cloud will increase the resiliency and security of each application by allowing the County to reallocate resources allotted to the operation of data centers to a greater focus on security policies, governance, and compliance guardrails necessary to enhance security and ensure alignment with the County's Cloud strategy and best practices. To maximize the benefits of application migration, a roadmap will be developed to move a defined set of applications based on application fit and department readiness. Applications will be reviewed to determine which ones can be moved from hosting on site with County-owned hardware to a third-party hosting environment at a selected "Public Cloud" vendor site.

The projected cost to convert 50 percent of DTS-hosted legacy applications to the Public Cloud is projected to cost \$3.2 million and is anticipated to take three years to complete. The project covers oversight, basic application remediation steps needed for migration, cloud implementation, application setup, and maintenance costs for three years. As these applications migrate to the Public Cloud, costs will shift from the capital budget to the operating budget.

▪ **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 first year of a two year funded project for a total of \$14 million.

▪ **Electronic Summons System** **\$133,000**

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 2023 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.

Public Safety – (non-technology) \$750,000

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 \$8.0 million, with \$7.1 million included in short-term financing. See the short-term finance section for project details.

▪ **Replace Plymovent Systems in Fire Stations \$400,000**

To ensure the health and safety of Fire Department personnel and/or visitors to fire stations, vehicle exhaust must be ventilated from the vehicle bays. The current system, Plymovent, is installed in all fire stations. These systems are magnetic and are attached to each vehicle's exhaust system automatically to ventilate exhaust before the vehicle leaves for a call, and once the vehicle returns to the station. In five stations, the systems are reaching the end of their operational life and need to be replaced. Other stations have newer systems installed and will need to be replaced at a later date. The newer systems will replace the outdated hoses, tracks, and compressor systems as well as upgrade technology, reducing repairs and downtime.

▪ **Replace Epoxy in Detention Center Showers \$350,000**

Funds will be used to resurface all jail showers that are used on a daily basis by individuals in custody. This work will ensure sanitation standards are maintained to prevent: mold, cracking, falls, and overall good hygiene. These standards must be met in order to maintain the Detention Facility's ACA (American Correctional Association) accreditation. The project also includes changing shower heads and knobs to ensure safety in the Detention Center. Detention centers are not able to use standard fixtures and require specific items to ensure their safety and security.

Neighborhood Conservation \$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 Neighborhood Conservation totals \$2.0 million which includes \$500k in PAYG funds and \$1.5 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 \$174,000

Arlington is home to more than seventy 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.

- **Conservation Assessment** **\$55,000**
The assessment will be led by a professional conservator and include a detailed report and summary of current conditions of the entire public art collection, prioritized recommendations, and cost estimate of repairs projected for the next five years.

- **Arlington Boulevard LED Light Replacement** **\$119,000**
The enhancement lighting is at the end of its expected life cycle. Many of the lights have gone out and will continue to do so over the next several years. Public Art has consulted with the company that originally supplied the lights to VDOT and they have recommended that the LED lights on both bridges be replaced, upgraded, and set on timers/dimmers. This funding will be leveraged with project savings from the original project.

Capital Administration/Contingent **\$679,315**
The FY 2023 proposed budget continues funding for administrative support of capital projects tracking, reporting and procurement in the Department of Management and Finance (\$260,000). Remaining balances (\$369,315) are one-time contingency funds for unplanned or unforeseen issues. A remaining balance of \$50,000 is budgeted for revenue increases for the field fund.

Land Acquisition **\$2,500,000**
This contingent will allow the County to take advantage of opportunities that arise for either open space or other non-park uses. The County has continuing demands for infrastructure storage and staging areas, public facility infrastructure, and open space needs.

**GENERAL CAPITAL PROJECTS FUND
FUND STATEMENT**

	FY 2021 ACTUAL	FY 2022 ADOPTED	FY 2022 RE-ESTIMATE	FY 2023 PROPOSED
ADJUSTED BALANCE, JULY 1	\$110,636,829	\$75,636,829	\$133,819,014	\$98,819,014
REVENUES:				
Commonwealth of Virginia	1,583,306	-	-	-
Federal Government	332,599	-	-	-
City of Falls Church	-	-	-	-
Charges for Services	3,685,151	-	-	-
Miscellaneous Revenue	2,130,978	-	-	-
Proceeds from Lease Purchase	-	-	-	-
Proceeds for bond premium	46,732,601	-	-	-
Proceeds for sale of bonds	17,065,000	-	-	-
TOTAL REVENUE	71,529,635	-	-	-
Transfers In (Out):				
Transfers In (Out):	(5,065,281)	-	-	-
Transfers In (Ongoing)	9,299,317	1,180,133	1,180,133	4,000,000
Transfers In (One-time)	-	4,745,000	4,745,000	7,044,000
TOTAL TRANSFERS IN (OUT)	4,234,036	5,925,133	5,925,133	11,044,000
TOTAL BALANCE, REVENUES AND TRANSFERS IN	186,400,500	81,561,962	139,744,147	109,863,014
EXPENDITURES:				
Capital Projects - Current Year	52,581,486	5,925,133	5,925,133	11,044,000
Capital Projects - Carry-Over	-	35,000,000	35,000,000	35,000,000
TOTAL CAPITAL EXPENDITURES	52,581,486	40,925,133	40,925,133	46,044,000
BALANCE, JUNE 30	\$133,819,014	\$40,636,829	\$98,819,014	\$63,819,014

Most capital projects span multiple years, from design to construction completion. The FY 2021 Actual and FY 2022 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 2023 Proposed budget column is presented in a similar fashion to show planned execution of projects in the fiscal year. These are based on preliminary plans and design and construction schedules.

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 bond issued is a general obligation bond. Residents must first approve one or more bond referendum(s) permitting the sale of general obligation bonds for capital projects identified in the County's Capital Improvement Plan (CIP). The County seeks approval for these referenda as part of regular elections, generally in November of even numbered years. If residents approve a bond referendum, then the County will include one or more projects approved under each referenda in a future sale of general obligation 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. Due to the COVID-19 pandemic, the FY 2021 CIP was reduced to cover one fiscal year with the exception of the stormwater fund and the Arlington Public Schools CIP. Bond referenda covering one fiscal year, with the exception of APS and stormwater, were approved by voters in November 2020. In FY 2022, the County adopted a three-year CIP covering fiscal years 2022 - 2024. Bond referenda covering one fiscal year, with the exception of APS, were approved by voters in 2021.

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 are proposed to be issued in FY 2023 for execution of the projects.

FY 2023 General Obligation Program Costs

Debt service on bonds issued in FY 2023 to finance the projects on the following pages will not begin until FY 2024 and will be included in that year's operating budget. The proposed FY 2023 debt service budget includes debt service on bonds issued or planned to be issued through FY 2022. 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	11,750,000
316	Neighborhood Conservation	1,500,000
317	Government Facilities	7,500,000
324	Local Parks & Recreation	5,000,000
Total FY 2023 GO Bond Funding		\$25,750,000



FY 2023 short-term financed projects will replace aged and critical technology infrastructure including public safety equipment and a synthetic turf field at the end of their useful life. The FY 2023 debt service budget of \$8.35 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	
Technology Services	9,103,000
Parks & Recreation	1,306,000
Public Safety	7,139,000
Total Short-term Financed Funding	17,548,000

Enterprise Technology and Equipment \$9,103,000

Funding for the FY 2023 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.

- **PC Systems and Services \$2,400,000**
 This program supports the cyclical replacement and refreshment of end user computing devices that have reached the end of their usable life. End user devices have a usable life of three or four years, depending on device type.
- **Network Equipment & Power Systems \$1,450,000**
 These funds are to support the County network including cyclical refreshment of County network equipment; software and hardware systems supporting worker mobility and telework technology; replacement of end-of-life power protection equipment supporting data center infrastructure and in-building digital infrastructure throughout the County; refreshment of equipment and cabling supporting the data center infrastructure, and; software and monitoring tools supporting network access and access security. Funds will be used to augment and enhance the software used to monitor and manage the network, data traffic, and security posture of the network.
- **Enterprise Records Management System (ERMS) \$1,000,000**
 ERMS is a set of solutions and software platform for managing content and processes designed to track and store records. The software can be used to manage the creation and maintenance of records with classification schemes, apply retention and disposal schedules, and control access and use. The system was implemented in 2004. The funding will be utilized for refresh of the current ERMS and migration of certain applications out of ERMS to other specific platforms. This is the second year of a four-year project with \$300,000 in PAYG funding in the first year and \$1,000,000 in short-term financing in the second year and \$2,000,000 over the next two years for a total project budget of \$3,300,000.

- **Server Hardware & Data Storage** **\$585,000**
 These funds are for the annual refreshment, enhancement, and expansion of County servers, hosts and, storage devices, as they reach the end of their useful life.
- **Telephone Study & System Refreshment** **\$1,000,000**
 The County telephone system was acquired in 2008. Since that time, voice system technology and the County's need for desktop telephones has drastically changed. The upgrade will allow the County to adopt a hybrid voice model where parts of the system will be located on site in the County but the bulk of the process takes place in the Cloud. This is the second year of a three year project with \$300,000 in PAYG funding in the first year, \$1,000,000 in short-term financing in the second year and \$500,000 in the third and final year for a total project budget of \$1,800,000.
- **Land Record System** **\$1,000,000**
 This project is for the replacement of the Clerk of the Circuit Court's Land Record system. The Clerk of the Circuit Court records and maintains the official record of documents affecting the title to real property located in Arlington County and the City of Falls Church. The land records system supports: recording of land records documents, judgments and financing statements; fee calculation and collection; storage of the digital images and indexing information; e-recording; and providing public access to land records.
- **Real Estate Assessment System** **\$1,000,000**
 The Office of Real Estate Assessments is responsible for valuing approximately 66,000 parcels annually, consisting of commercial, single-family and condominium properties. The current system was initially implemented twenty years ago and a custom in-house system was built eight years ago to supplement missing functionality at the time. A new system will provide significant functional enhancements with greater analytical and reporting capabilities as well as integration with other systems. This is the first year of a two-year project with \$2,000,000 required for the second year for a total project budget of \$3,000,000.
- **Audio/Visual Equipment for County Conference Rooms** **\$668,000**
 This project provides new and/or enhanced audio/visual capabilities to conference rooms across County facilities with particular emphasis on making in-person meetings accessible virtually by others unable to participate in person. Approximately half (50%) of the County conference rooms are outside the Bozman Government center. This is the second year of a three year project. The first year of \$1,000,000 in PAYG funds was for upgrades of specific conference rooms that are highly utilized by County staff and the public. The second year of \$668,000 short-term finance funding will be used to upgrade approximately 50 percent of the County conference rooms outside of the Bozman Government Center. The third year of \$653,000 will upgrade the remaining percent of the non-Bozman Government Center conference rooms. The total project cost is \$2,321,000.

Public Safety **\$7,139,000**

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.

- **Public Safety Radio System Upgrades** **\$1,930,000**
 The Emergency Radio system is used to transmit public safety communications via portable and mobile radios. To have a fully operational and interoperable system, components such as the

system base stations must be refreshed to support new technologies and aging hardware. In addition, other critical equipment at the six radio sites must be refreshed in order to maintain optimum performance and reliability. Critical hardware has an 8-10 year useful life and is evaluated annually as part of a maintenance contract but not replaced.

- **Fire Portable Radios** **\$3,609,000**
 Fire portable radios are hand-held radios that allow for two-way communication with the Emergency Communications Center and all public safety agencies throughout the National Capital Region. The radios will be replaced as they near end of life as equipment failure could result in communication delays that increase response time to critical events. When public safety portable radios are replaced, they are transitioned to non-public safety departments for continued use. The radios have a useful life of 7 years.
- **Justice Center Security System** **\$1,000,000**
 The Detention Facility Security System is used to monitor and control access to Detention Facility areas for the protection of staff, inmates and the public. This equipment includes cameras, touch screens, and other equipment that control all doors, alarms and intercoms. The useful life varies by equipment type.
- **Fire Command Vehicle Upgrades** **\$200,000**
 The upgrades to the command vehicle include a comprehensive upgrade of the vehicle coach, upgrades to the vehicle operating systems, and several technology enhancements. These upgrades will allow for greater situational awareness of command staff during critical planned and unplanned events.
- **Sheriff Wireless Security Upgrades** **\$400,000**
 To ensure the safety and security of all staff, inmates, contractors, visitors and volunteers in the Detention Facility, the Sheriff's Office requires the ability to obtain real-time information concerning the location of these individuals in case of emergencies, whether a building-wide emergency or an injury to the individual. These additional wireless access points will also ensure that the Detention Facility is able to future proof and appropriately scale wireless infrastructure, by constructing an expanded secure closed network controlled and maintained by the County and ensuring long term functional sustainability.

Parks Program **\$1,306,000**
 Funding for the FY 2023 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.

- **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 in order to avoid equipment failure at the various Park and Recreation facilities.
- **Wakefield High School Stadium Field Replacement** **\$491,000**
 These funds will be used for the design and construction for the replacement of the synthetic turf 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 total project cost is \$982,000 of which Arlington Public Schools will pay \$491,000 in accordance with the cost sharing agreement.

- **Greenbrier Park Track Replacement** **\$715,000**
These funds will be used for the design and construction for the replacement of the running track surfacing and long jump pit within the stadium field complex at Greenbrier Park/Yorktown High School. The running track was last replaced in 2007 and Arlington Public Schools do not cost share in this project.



Transportation Capital Program FY 2023 Capital Program Project List				
Project Description	PAYG	Bond Premium	GO Bonds	Total Budget
Bridge Maintenance	-	\$767,000	\$770,000	\$1,537,000
Paving -Hot Mix Overlay	549,000	-	10,000,000	10,549,000
Paving - Slurry Seal	500,000	-	-	500,000
Paving - Microsurfacing	500,000	-	-	500,000
Streetlighting	17,000	410,000	-	427,000
Trail Light Maintenance	18,000	-	-	18,000
Parking Meters		185,000	-	185,000
Transportation Asset Management	103,000	-	-	103,000
BIKEArlington	160,000	-	-	160,000
Neighborhood Complete Streets	200,000	-	-	200,000
Street Safety Improvements	-	378,000	-	378,000
Bridge Renovation/ Replacement	-	-	980,000	980,000
WALKArlington	10,000	-	-	10,000
Total Projects	\$2,057,000	\$1,740,000	\$11,750,000	\$15,547,000

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

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

CAPITAL PROGRAM PROJECT LISTS
GENERAL CAPITAL PROJECTS FUND

Facilities Capital Program FY 2023 Capital Program Project List				
Project Description	PAYG	Bond Premium	GO Bonds	Total Budget
Facilities Maintenance Capital				
Sullivan House - Replace Fire System, HVAC, Facilities Furnishings, Equipment, and Bathrooms	-	\$ 990,000	-	\$ 990,000
Arlington Detention Facility - Replace Ventilation Systems			1,000,000	1,000,000
Arlington County Courts Police Building - Electrical Upgrades	200,000			200,000
3700 S. Four Mile Run - Window Replacement		300,000		300,000
RPC - Fire Alarm System Upgrade	150,000			150,000
Fire Station 5 - Green Roof Replacement		420,000		420,000
Electric Vehicle Charging Infrastructure for Internal Use	200,000	-	-	200,000
Critical Systems Infrastructure				
Court Square West- Emergency Communications Center - HVAC Replacement (3 units)	-	150,000	-	150,000
Fire Station IT Closet Upgrades	75,000	-	-	75,000
Trade Network Operations Center HVAC Replacement	-	100,000	-	100,000
Facilities Design & Construction				
Facility Master Planning & Feasibility Studies - feasibility studies and schematic design for unplanned projects	300,000	-	-	300,000
ADA Remediation - ADA remediation of staff restroom at Detention Center	250,000	-	-	250,000
Central Library - delivery and services improvements	-	563,000	-	563,000
Interior Maintenance				
Systems Furniture Replacement	300,000	-	-	300,000
Interior Maintenance Capital Renovations	250,000	-	-	250,000
Chair Replacement	100,000	-	-	100,000
Courthouse Complex Renovations & Infrastructure	-	-	6,500,000	6,500,000
Energy Management				
Electric Vehicle Charging Infrastructure for Public Use	125,000	-	-	125,000
Total Projects	\$1,950,000	\$2,523,000	\$7,500,000	\$11,973,000

CAPITAL PROGRAM PROJECT LISTS
GENERAL CAPITAL PROJECTS FUND

Parks Capital Program FY 2023 Capital Program Project List					
Project Description	PAYG	Bond Premium	GO Bonds	Short-term Financing	Total Budget
Parks Maintenance Capital					
Field Funds (covered by field fees)	\$225,000	-	-	-	\$225,000
Capital Asset Manager	165,000	-	-	-	165,000
Feasibility Studies & New Implementation Funds - for new projects outside of the CIP process.	200,000	-	-	-	200,000
Bailey's Branch Park Playgrounds (2)-Design	-	398,000	-	-	398,000
Woodmont Playground Safety Repairs	-	240,000	-	-	240,000
Fitness/Community Center Equipment Replacement Cycle	-	-	-	100,000	100,000
Bluemont Tennis Courts Design & Construction	-	-	5,000,000	-	5,000,000
Greenbrier Running Track	-	-	-	715,000	715,000
Synthetic Fields Program					
Wakefield High School Stadium Field Replacement	-	-	-	491,000	491,000
Total Projects	\$590,000	\$638,000	\$5,000,000	\$1,306,000	\$7,534,000

CAPITAL PROGRAM PROJECT LISTS
GENERAL CAPITAL PROJECTS FUND

Information Technology Capital Program FY 2023 Capital Program Project List					
Project Description	PAYG	Bond Premium	GO Bonds	Short-term Financing	Total Budget
Human Services					
Replace Child Welfare Purchase of Service Software (two-year project)	\$300,000	-	-	-	\$300,000
Day Care Center & In-Home Child Care Licensing System (two year project)	300,000	-	-	-	300,000
Enterprise Technology Services					
ConnectArlington Upgrades	-	-	815,000	-	815,000
Human Resources/Financial System Refreshment	-	7,000,000	-	-	7,000,000
Courtroom Upgrades for Body Cameras	255,000	-	-	-	255,000
DTS-hosted Legacy Application Cloud Migration Project (Year 1 of 3)	550,000	-	-	-	550,000
Business Process Automation	300,000	-	-	-	300,000
Network Equipment & Power Systems	-	-	-	1,450,000	1,450,000
Servers & Hardware	-	-	-	585,000	585,000
PC Systems & Services	-	-	-	2,400,000	2,400,000
Telephone Study & System Upgrade	-	-	-	1,000,000	1,000,000
Real Estate Assessment System Replacement	-	-	-	1,000,000	1,000,000
Land Records System Replacement	-	-	-	1,000,000	1,000,000
Electronic Records Management System Replacement	-	-	-	1,000,000	1,000,000
Audio Visual Equipment for Conference Rooms	-	-	-	668,000	668,000
Public Safety					
Police-E-Summons System (covered by court fees)	133,000	-	-	-	133,000
Sheriff - Wireless Security Upgrades	-	-	-	400,000	400,000
DPSCEM - Public Safety Radio System Upgrades	-	-	-	1,930,000	1,930,000
Fire - Replace Portable Radios	-	-	-	3,609,000	3,609,000
Sheriff - Justice Center Security System	-	-	-	1,000,000	1,000,000
Fire-Replace Plymovent (Vehicle Exhaust Removal) Systems at 5 Fire Stations	-	400,000	-	-	400,000
Sheriff - Replace Epoxy in Detention Center Showers	-	350,000	-	-	350,000
Fire - Command Vehicle Coach, Operating Systems & Tech Enhancements	-	-	-	200,000	200,000
Total Projects	\$1,838,000	\$7,750,000	\$815,000	\$16,242,000	\$26,645,000

CAPITAL PROGRAM PROJECT LISTS
GENERAL CAPITAL PROJECTS FUND

**Neighborhood Conservation Capital Program
FY 2023 Capital Program Project List**

Project Description	PAYG	GO Bonds	Total Budget
NC Project Management	\$500,000	-	\$500,000
15th St N. Street Improvement	-	1,000,000	1,000,000
16th Street N. Streetlight	-	350,000	350,000
Hillside Park Streetlight	-	150,000	150,000
Total Projects	\$500,000	\$1,500,000	\$2,000,000

**Public Art Capital Program
FY 2023 Capital Program Project List**

Project Description	PAYG	Total Budget
Arlington Boulevard Enhancement Lights	\$119,000	\$119,000
Conservation Assessment	55,000	55,000
Total Projects	\$174,000	\$174,000

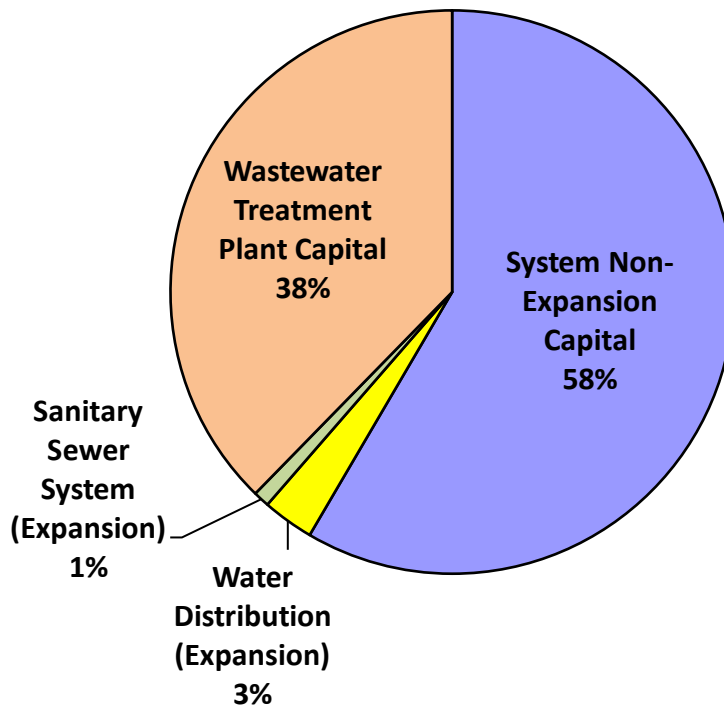
**Regional Contributions & Contingents
FY 2023 Capital Program Project List**

Project Description	PAYG	Bond Premium	Total Budget
Northern Virginia Criminal Justice Academy (NVCJA) - Debt Service	\$134,244	-	\$134,244
Regionals - NOVA Parks (NVRPA)	671,628	-	671,628
Capital Administration & Contingent	567,128	62,000	629,128
Land Acquisition		2,500,000	2,500,000
Total Projects	\$1,373,000	\$2,562,000	\$3,935,000

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 Proposed FY 2023 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 2023 PROPOSED PAYG BUDGET SUMMARY

PROGRAM CATEGORY	AMOUNT
UTILITIES	
Wastewater Treatment Plant Capital	\$10,179,000
System Non-Expansion Capital	15,785,000
Water Distribution System Improvements (Expansion)	796,000
Sanitary Sewer System Improvements (Expansion)	250,000
Total Project Cost	27,010,000
Less: Infrastructure Availability Fees & Other Revenue	11,615,000
Less: Transfers in from General Fund	100,000
Net Utilities Funds Support	\$15,295,000

Note: Other revenue includes non-expansion interjurisdictional revenue of \$4,365,000 and interest income of \$350,000.

FY 2023 PROPOSED UTILITIES BUDGET

Wastewater Treatment Plant Improvements (Non-Expansion) \$10,179,000

- **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 (\$1,950,000).
- **Solids Master Plan 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 2022 and continue through FY 2023 (\$1,325,000).
- **Solids Master Plan 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 (\$425,000).
- **Solids Master Plan 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 2023, design is expected to continue for this multi-year construction program (\$1,910,000).

- **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 (\$1,750,000).
- **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 (\$455,000).
- **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 (\$329,000).
- **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 (\$170,000).
- **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 (\$860,000).
- **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 (\$1,005,000).

System Non-Expansion Capital

\$15,785,000

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 (\$5,000,000)
- Non-expansion inflow and infiltration sanitary sewer capital repairs and replacements (\$3,000,000)
- Large diameter sewer rehabilitation / replacement (\$1,150,000)
- Water main cleaning and re-lining projects (\$1,500,000)
- Water / sewer frames and covers (\$800,000)
- Sewer main replacement program (\$750,000)
- Manhole rehabilitation (\$500,000)
- Large diameter water main rehabilitation / replacement (\$450,000)
- Water Tank Rehabilitation (\$340,000)
- Small diameter valve rehabilitation and replacement (\$250,000)
- Large meter vault rehabilitation and replacement (\$200,000)

- Trades Center Improvements (\$345,000)
- 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 (Expansion) \$796,000

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 (\$296,000)
- Pump station improvements (\$500,000)

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 \$27,010,000

**UTILITIES CAPITAL PROJECTS FUND
FUND STATEMENT**

	FY 2021 ACTUAL	FY 2022 ADOPTED	FY 2022 RE-ESTIMATE	FY 2023 PROPOSED
ADJUSTED BALANCE, JULY 1	\$47,393,607	\$35,001,608	\$41,683,431	\$34,183,431
REVENUES:				
Infrastructure Availability Fees	3,413,611	6,900,000	6,900,000	6,900,000
Sewage Treatment Service Charges	732,920	3,267,000	3,267,000	4,365,000
Interest	68,913	350,000	350,000	350,000
Misc. Revenue	8,779	-	-	-
TOTAL REVENUE	4,224,223	10,517,000	10,517,000	11,615,000
Transfers In (Out):				
Transfer in from General Fund	-	-	-	100,000
Transfer In from Utilities Operating Fund	12,155,000	15,548,000	15,548,000	15,295,000
TOTAL TRANSFERS IN	12,155,000	15,548,000	15,548,000	15,395,000
TOTAL BALANCE, REVENUES AND TRANSFERS IN	63,772,830	61,066,608	67,748,431	61,193,431
EXPENDITURES:				
Capital Projects - Current Year	22,089,399	26,065,000	26,065,000	27,010,000
Capital Projects - Carry-Over	-	7,412,000	7,500,000	10,875,000
TOTAL CAPITAL EXPENDITURES:	22,089,399	33,477,000	33,565,000	37,885,000
BALANCE, JUNE 30	\$41,683,431	\$27,589,608	\$34,183,431	\$23,308,431

Most capital projects span multiple years, from design to construction completion. The FY 2021 Actual and FY 2022 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 2023 Proposed 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.