

The General Capital Projects Fund or Pay-As-You-Go (PAYG) Budget provides funding for capital improvements using current year ongoing revenue, one-time funding, state and federal grants, and developer fees. In addition to annual PAYG appropriations, master lease financing, bond financing and various other dedicated funding sources are the other primary sources of funding for the capital projects included in the biennial Capital Improvement Plan (CIP), found on the County's website. **Detailed information concerning the County's bond financing is contained in the Debt Service section of the FY 2017 Budget.**

PAYG and voter approved bond funding have historically been the primary sources of funding for the **County's maintenance capital program – seeking to achieve a long stated goal to "maintain what we have."** Maintenance capital projects are designed to protect assets from premature failure and are focused on replacement and renewal of existing infrastructure. Maintenance capital activities differ from operating maintenance activities in cost, size, nature, and frequency of occurrence of the maintenance activity.

The General Capital Projects categories include Local Parks and Recreation, Transportation Initiatives, Government Facilities, Information Technology Investments, Community Conservation, and Regional Partnerships.

MAINTENANCE CAPITAL

The purpose of Arlington's Maintenance Capital (MC) program is to ensure that existing capital assets throughout the County are maintained in a reliable and serviceable condition, and are periodically updated and renewed as necessary. The MC program serves to prolong the useful life of these 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.

This budget continues our focus on Maintenance Capital – particularly reinvestment in facilities and parks assets, paving and information technology. It also invests in infrastructure, such as land acquisition, for county needs as well as joint projects with Schools to keep pace with the increase in school enrollment. The County has made great progress over the last several fiscal years:

- We are adding staff to help with both planning and execution.
- Staff continues the multi-year strategy to address the maintenance capital reinvestment.
- In all programs, we bundle projects where appropriate to minimize service disruption and reduce capital costs by seeking efficiencies.
- We continue to use a variety of funding sources to best match the type of maintenance capital needs in order to leverage as many projects within an affordable budget.

OVERVIEW OF FY 2017

The adopted FY 2017 PAYG budget totals \$11.6 million, comprised of \$7.06 million of base ongoing funds and \$4.56 million of one-time funds. The FY 2017 adopted budget shifts \$0.789 million in ongoing funds from PAYG funds to Master Lease funds. Both sources are used to fund capital projects; however, master lease is more specific for equipment and systems that have an estimated useful life from three and up to ten years. By shifting funds from PAYG to Master Lease, the county can fund more enterprise and public safety equipment and information technology needs, by paying for the principal and interest over the life of the asset. This is critical for public safety since many of the original federal and state grants that funded the initial cost of the equipment, systems and infrastructure are no longer available. In other cases, the 2004 bond that funded the Emergency Communications Center building was also the source for bundling the supporting public safety radios and other equipment which have now reached the end of its useful life and must be replaced. Use of master lease funds will allow for a regular refreshment plan for this equipment for better planning and budgeting.

In addition to the FY 2017 adopted budget, there is an additional \$9.4 million in one-time PAYG funding from FY 2015 year end closeout for FY 2016 projects. During the closeout process, approved project allocations included \$3.6 million for acquisition of properties such as at the Buck location and as other opportunities arise. The closeout funds also included \$2.5 million of county funds for joint County and Schools projects to support the infrastructure in response to the growing school enrollment. There is an equivalent \$2.5 million funded from Schools for this endeavor, which is included in the FY 2017 budget. With both County and School funds combined, the joint contingent reflects an increase of \$5.0 million. The balance of the closeout funds are allocated to maintenance capital projects such as paving, streetlights, Justice Center sewer line replacement and other **facilities' needs**.

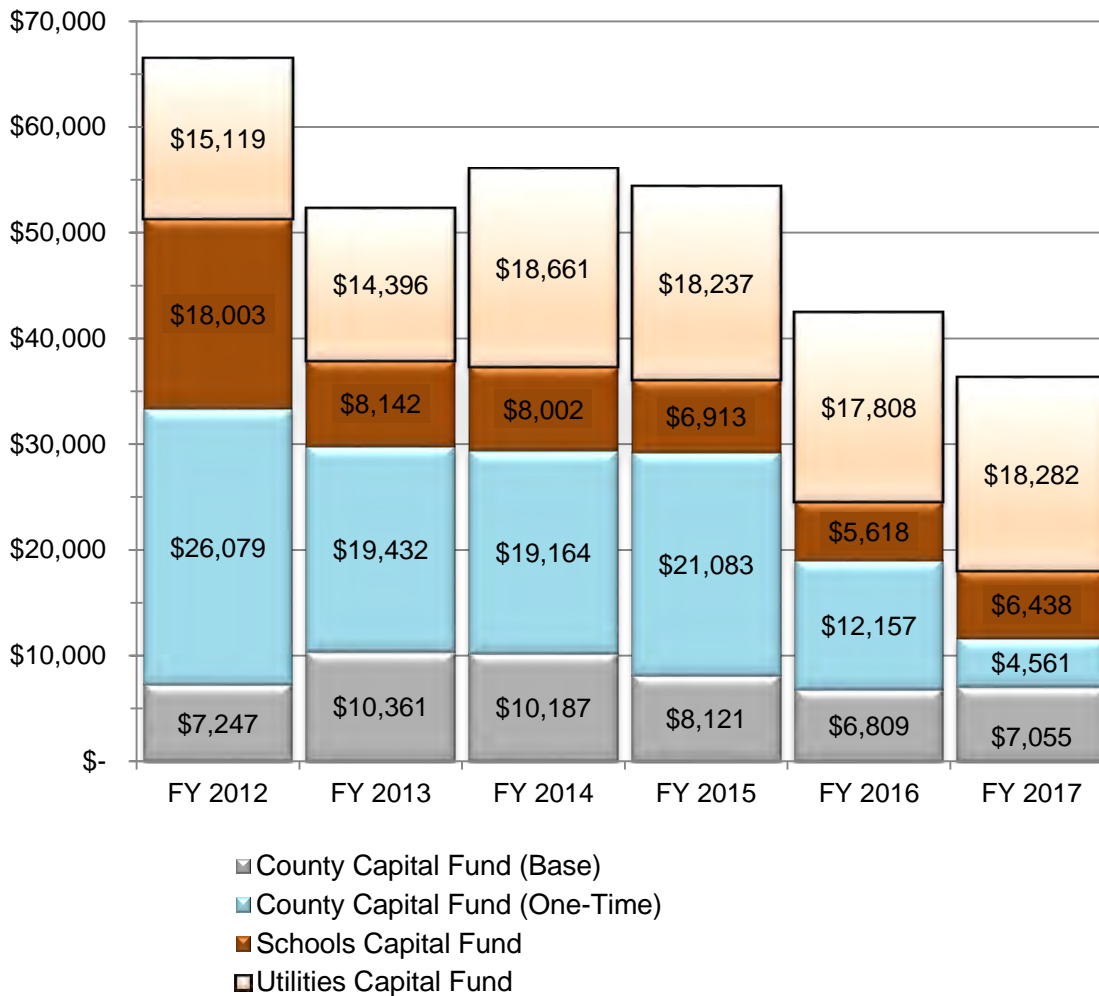
The FY 2017 adopted PAYG budget funds routine and non-routine capital expenditures. The routine expenditures include maintenance of capital assets such as streets, bridges, signals and infrastructure, street lights, bus shelters, replacement of building components, fields, playgrounds, courts, technology equipment and systems as well as neighborhood conservation projects, energy efficiency projects and contributions to regional programs. Non-routine expenditures include land acquisition.

County capital project descriptions, PAYG appropriation charts, and fund statements are included on the following pages. Because projects are often multi-year in nature, appropriations rather than actual expenditures are presented; appropriations also indicate more about County Board priorities, decisions, and PAYG funding levels than actual expenditures. Fiscal impact is the net increase in annual operating costs associated with a capital funding decision. Capital funding decisions that expand or significantly change the nature and quality of an asset typically increase future operating budgets over the life of the asset. However, some capital funding decisions that replace current assets with efficient, low maintenance assets or extend the useful life of an asset can reduce future operating budgets.

In addition to the General Capital Projects Fund, there are other PAYG investments:

- The Utilities Fund FY 2017 adopted PAYG budget of \$18.3 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 Board's adopted FY 2017 PAYG budget is \$6.4 million, which includes major maintenance and minor construction funding.

PAY-AS-YOU-GO APPROPRIATION HISTORY
FY 2012 - FY 2017
(\$ in 000's)



PAY-AS-YOU-GO APPROPRIATION HISTORY BY CATEGORY
(\$ in 000's)

PROGRAM CATEGORY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Regional Partnerships	\$1,166	\$1,136	\$1,214	\$1,287	\$1,453	\$1,364
Transportation & Pedestrian	7,939	4,037	5,041	9,757	3,431	3,614
Government Facilities	14,871	13,356	3,408	2,890	5,249	595
Parks and Recreation	4,166	6,410	5,211	4,090	1,639	1,573
Technology Investment (IT) *	1,475	1,090	1,000	4,517	502	924
Community Conservation	800	500	500	500	500	500
Public Art	150	50	-	-	-	-
Land Acquisition	-	-	-	-	-	361
County-Schools Joint Use Projects	-	-	8,634	2,000	2,500	2,500
Capital Contingency / Admin	2,759	3,214	4,343	4,163	3,692	185
Total County Capital Fund	\$33,326	\$29,793	\$29,351	\$29,204	\$18,966	\$11,616
Schools Capital Fund	18,003	8,142	8,002	6,913	5,618	6,438
Utilities Capital Fund	15,119	14,396	18,661	18,237	17,808	18,282
Total Capital Fund	\$66,448	\$52,331	\$56,014	\$54,354	\$42,392	\$36,336

PAYG PROJECTS
(\$ in 000's)

PROGRAM CATEGORY	Base Funds	One-Time Funds	FY 2017 Adopted	FY 15 C/O Funds for FY 16 Projects	Total Funds
Transportation Maintenance Capital	\$1,863	\$951	\$2,814	\$993	\$3,807
Facilities Maintenance Capital	495	-	495	1,660	2,155
Parks Maintenance Capital	1,573	-	1,573	-	1,573
Subtotal Maintenance Capital	3,931	951	4,882	2,653	7,535
Regional Partnerships	1,364	-	1,364	-	1,364
Neighborhood Conservation	500	-	500	-	500
Information Technology	175	749	924	83	1,007
Transportation Multi-Modal	800	-	800	-	800
Facilities Design and Construction	100	-	100	609	709
Land Acquisition	-	361	361	3,562	3,923
Joint County & Schools Contingent	-	2,500	2,500	2,500	5,000
Capital Contingent	185	-	185	-	185
Subtotal Other Capital	3,124	3,610	6,734	6,754	13,488
Total Projects	\$7,055	\$4,561	\$11,616	\$9,407	\$21,023

* Numbers may not add due to rounding.

REGIONAL PARTNERSHIPS

\$1,363,417

Arlington annually contributes capital funding to several regional organizations that provide beneficial services to Arlington residents and visitors.

- **Fiscal Impact - The Regional Partnerships program represents the County's annual contributions to support the capital efforts of regional programs. The County also contributes operating costs to the regional partnership programs. The County's share is based on each regional program's allocation formula.**

Northern Virginia Regional Park Authority

\$583,154

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. The Park Authority 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. This capital funding for FY 2017 **represents Arlington's annual contribution to NVRPA's capital program and is based on the percentage of population of the six jurisdictions.**

Peumansend Creek Regional Jail Authority

\$118,207

FY 2017 funding represents the County's proportional share of the FY 1992 decision to design, construct, and operate a low to medium security regional jail in Caroline County on land (Fort A. P. Hill) transferred by the Department of Defense. Arlington is one of six jurisdictions that provide funds based on the allocated beds. This is part of an overall strategy for housing local prisoners in a cost-effective manner. Legislation in the 1996 General Assembly provides for a state reimbursement of 50 percent of allowable construction costs. Arlington's annual share of the capital cost is based on current bed allocation and is projected at 24.0 percent for the 60 beds allocated to Arlington. FY 2017 is the final year of the County's financial capital commitments under the moral obligation and debt payment schedule.

Northern Virginia Community College

\$515,930

This funding represents the County's ongoing capital contribution to the Northern Virginia Community College (NVCC) program for land acquisition and site development of all campuses. Arlington is one of nine jurisdictions **that share costs associated with NVCC's capital program.** The FY 2017 budget is based on a \$2.25 allocation for each person living in Arlington.

Northern Virginia Criminal Justice Academy

\$146,126

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 2017 **budget reflects Arlington's contribution towards the annual debt payments of the EVOC.**

Transportation – Maintenance Capital \$3,807,000

The Transportation Maintenance Capital program maintains the transportation infrastructure by repaving streets, maintaining pedestrian and vehicular bridges, maintaining signals and signal infrastructure, and replacing bus shelters.

▪ Paving Program \$2,071,000

The County currently maintains over 974 lane miles by a combination of resurfacing, rebuilding and slurry seal maintenance. The type of maintenance for a particular street is based on the most recent (not older than two years) Pavement Condition Index (PCI) and the type of street (arterial, collector, neighborhood). 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 10 years to extend their life rather than re-paving them as often.

▪ Bridge Maintenance \$150,000

This program is responsible for the maintenance of 35 vehicular and pedestrian bridges in Arlington County. Twenty-six 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 at least bi-annually. This is an ongoing program which provides funding to cover the cost of annual inspections, routine and emergency maintenance, and rehabilitation projects for the **County’s bridge inventory.**

▪ Transportation Systems and Traffic Signals \$200,000

Arlington County’s transportation systems and traffic signals are in continuous need of maintenance and upgrades. The current systems include an aging infrastructure, some of which are more than 30 years old, with out-of-date control systems including hardware and software. Funding is used to maintain the County's traffic signals, pedestrian signals, school flashers, signal cabinet hardware and other maintenance items in the signals area. It will also be used to replace aging and inefficient signals, including traffic signal controllers and cabinets, improve pedestrian accessibility by installing interactive audible countdown type of ADA accessible pedestrian signals advanced video detection systems, bicycle detection, remote data collection systems, battery backup systems, CCTVs, and up-gradation of electrical grounding.

▪ Street Lighting \$550,000

County streets are illuminated with approximately 19,000 streetlights. Out of that, 7,000 streetlights are owned and maintained by the County and the rest are owned/ maintained by Dominion Virginia Power (DVP). The County receives approximately 14 repair service calls per day, which could range from a bulb change to more complicated works such as knocked-down pole repair and underground conductor repair. This program funding will be used for repairing all the known streetlight issues, fixing knockdown poles and maintaining efficient streetlight system in the County.

County owned streetlights are controlled using a radio communication system from a central server. This system is currently in use for diming programs, providing automatic failure alerts and energy consumption data. This program funding will be used for routine server maintenance, data upkeep and licensing of streetlight system.

- Arlington Fleet Rehabilitation \$671,000

Arlington County currently operates and maintains 65 buses to provide local fixed-route transit service, called ART, throughout the County. To improve the reliability and extend the useful life **of the buses, the County's Transit Bureau initiated a mid-life** bus rehabilitation project. The buses are all low-floor vehicles powered by compressed natural gasoline (CNG) rated by the Federal Transit Administration for a 12-year life. A mid-life rehabilitation of the engine and other major components in the sixth to ninth year of service would extend the useful life of a bus to 16 years of revenue service. This project started with the rehab of the first eight heavy duty buses that began service in August 2007 and received a mid-life rehab in 2015. FY 2017 PAYG funding will allow the Transit Bureau to rehab the next group of 12 aging buses and also help cover the cost for unscheduled major repairs for buses with significant mileage.

- Traffic Calming Device Maintenance \$100,000

This program replaces existing traffic calming devices such as speed humps as streets are repaved. It also funds the replacement or repair of traffic calming devices which have deteriorated to the point where action is required.

- Regulatory Signage \$65,000

Arlington County owns over 100,000 signs. On average, the County installs and maintains approximately 5,000 signs each year. Recent federal rules for sign reflectivity, stop, yield, and other regulatory signs, combined with updated rules for sign size standards will require replacement of an additional 2,000 signs per year to meet compliance dates. These are significant safety requirements that necessitate systematic replacement.

The funds will support the efficient movement of people in cars, on bikes, or by foot. Effective signage supports the reduction of traffic congestion by facilitating traffic movements, and public safety. Old non-conforming signs will be replaced with the latest upgraded signs. Incandescent signs will also be replaced with the energy efficient LED signs.

- Transportation Multi-Modal Programs \$800,000

Accessibility and options for movement throughout the County and the rest of the region are achieved by providing a high quality transit system, a robust bicycle and pedestrian network, and effective transportation demand management approaches.

- Pedestrian and Bike Safety \$400,000

The primary objective of this program initiative is to improve access and increase safety for cyclists and pedestrians, primarily on Arlington arterial streets. This initiative builds on the existing bicycle and pedestrian transportation infrastructure with a vision of achieving the goals of the Master Transportation Plan. The FY 2017 decal fee funding will be used to gather and evaluate data to be used in the development of conceptual designs and cost estimation of potential new projects (\$100,000). Additionally, the program provides for the installation of wayfinding signage (\$40,000). Finally, funding of projects (\$260,000) will be informed by the planning and development work to improve pedestrian and bike safety.

- Transit ITS & Security Program \$50,000

The Transit Intelligent Transportation System (ITS) and Security Program is dedicated to the use of technology to improve transit operations and rider information systems and identify and mitigate agency security and safety issues. Arlington's ongoing initiatives focus on providing accurate and timely information to both operations staff and transit customers. The Transit Bureau will use FY 2017 PAYG funding to leverage state matching funding and help cover the cost for the Business Intelligence Automation project – the implementation of a management

information system needed to integrate ART’s various data sources. This system will streamline reporting, including federally required National Transit Data (NTD) reporting, and provide analytics for assessing and improving system operations. The system will save significant staff hours in reporting efforts and provide cost savings from more efficient transit operations.

- Parking Meters \$100,000

Funds to be used to expand the parking meter program in Shirlington (Campbell Avenue). A parking utilization survey was conducted, which noted considerable abuse of current unmetered parking in the area. An expansion plan was presented to property management and various business owners, and was strongly supported. Eleven new multi-space devices are to be installed and first year parking revenue is estimated at \$210,000 for a first year return on investment of 2/1.

- Transportation Asset Management \$250,000

The primary objective of this program initiative is to develop real time asset inventory for Traffic Engineering & Operations (TE&O) using ArcGIS for all County roadways and integration with Cartograph. TE&O already has GIS databases for traffic signals, CCTV, Count Stations and Streetlights. Additional field data collection is needed for signs and parking meters. This program will allow for the integration of these existing datasets into the Cartograph system, which will improve work flow process. The current system, Cassworks, is outdated and no longer supported. Cartograph will replace Cassworks in a phased manner for TE&O programs.

Facilities Maintenance Program \$2,155,000

This program plans for adequate maintenance of facilities through their cycle, periodic refreshment, and eventual replacement of obsolete facilities at the appropriate points in the life cycle.

Facilities Management Maintenance Capital \$1,591,000

The FY 2017 Facilities Maintenance Capital Program Funds will be used to address deferred and needed maintenance items identified in facility condition assessment studies and staff reports. The Facilities Management Bureau (FMB) maintains over 85 facilities totaling more than 2,400,000 square feet valued at over \$750 million. These projects will be implemented with this adopted PAYG funding of \$1.5 million.

- Justice Center Main Sewer Line Repair \$914,000

The current condition of the main sewer lines at the Justice Center Garage has shown to be potentially compromised after a recent emergency repair to fix a ruptured section of the same system. This repair should be performed to prevent any possibility of a pipe failure resulting in the temporary loss of services at the Detention Center and Court House. This project consists of repairing and re-lining the Justice Center Sewer system with a structural epoxy spray system and related products, without excavating a considerable amount of the garage concrete floor and foundation to access connections.

- Westover Branch Library Envelope Repairs \$677,000

The County contracted a third party inspector to conduct an invasive investigation to determine the root cause of water infiltration into the building. The inspections determined the windows were not properly installed as required by the construction documents. The windows, as well as the brick courses adjacent to the windows must be removed and reinstalled to achieve a proper installation that will address the water infiltration issues. This corrective work will be staged so work can be performed around an occupied Public Library.

Furniture, Fixtures & Equipment \$564,000

The FY 2017 Maintenance Capital funds for the Furniture, Fixtures, and Equipment (FF&E) program will be used to address maintenance items that are primarily part of bundled projects with FMB. In making specific project recommendations, staff uses prioritization methodologies which consider many factors including conditions highlighted in the assessments and we "bundle" items coming due with FMB to enable efficiency of contract effort, to minimize impact to the users of the space, and to yield an overall positive result and appearance. The FF&E program provides furnishings to over 95 County facilities, including shared spaces within Arlington County Public Schools (APS) and Arlington Economic Development (AED) facilities. The funds will be used to provide new chairs for the Police, a new counter at the Residential Program Center, and provide furniture for the new Independence House (Gables).

Energy Efficiency \$0

The energy management program monitors and improves energy use in County facilities, and identifies emerging energy-saving opportunities with advanced technologies and best practices. Improved energy efficiency cuts operating costs and improves energy reliability. Reducing energy waste is a fundamental, cost-effective strategy for meeting the **County's goals in the Community Energy Plan**. The energy management program works closely with the DES Facilities Management Bureau and other agencies countywide. Over the past decade, investments in energy efficiency have reduced County building energy intensity by 12 percent, with cumulative avoided costs exceeding \$3.5 million.

- Central Library HVAC

The key project for FY 2017 is replacement of the aging boilers in the Central Library, and associated upgrades of the electrical and HVAC distribution system. This project will extend the building asset life, improve user comfort, save over 30 percent of natural gas costs, and reduce greenhouse gas emissions by about 40 metric tons per year. Though there are no FY 2017 PAYG funds, this project will be funded using general fund balances in the Fresh Aire program which is a good fit for this scope of work.

Facilities Design and Construction Program \$709,000

The Facilities Construction program provides facilities for both existing and evolving services and programs, and encompasses both significant modernization and planned replacement of facilities, based upon facility life cycles and changing program demands and services. This program is carefully 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.

- Woodmont Weavers Relocation \$309,000

The Woodmont Weavers are currently located in the Ballston Mall which is part of a redevelopment plan that will cause the County to vacate their existing space. They occupy 3,000 square feet for artisans with intellectual disabilities to produce handcrafted items for sale. **The program teaches independence, technical and social skills to Arlington's adult residents along with an opportunity for the artisans to earn wages for the work produced.** The Woodmont Weavers program also offers community integration activities throughout the Metropolitan area while they are not weaving. The program will be moving to the Sequoia Campus to facilitate future goals and enhance the program through colocation with existing DHS operations.

- Barcroft Gymnastic Expansion \$300,000

Currently, the gymnastics program located at Barcroft Community Center has a waiting list of over 800 students. The existing one room at the facility cannot accommodate the increase in

demand for an expanded program. The project consists of the conversion of the adjacent gym to a gymnastics program by removing the bleachers, basketball hoops and adding additional equipment, renovating the existing locker rooms and restrooms to accommodate two private staff locker rooms along with replacing the worn finishes and creating a child friendly sink, and the purchase of gymnastics equipment. In conjunction with the gymnastics program needs expanding in Barcroft, the facility is also in need of a mechanical and lighting upgrade, overall painting, flooring replacement, mechanical replacement and a new roof for a complete building refresh.

- County Daycare \$100,000

There is a critical need for increased daycare options for County employees. There were over 730 responses to a May 2015 County survey regarding daycare needs, with a 50-50 split between those who currently use daycare and those who believe they will need it in the next five years. Overwhelmingly, access to an onsite or nearby daycare was indicated as a top need, with 92 percent of all respondents (or 527 current employees) indicating that they would use County daycare facilities close to their worksite. PAYG funds are included for a study that will include facility programming to determine physical needs and options for the future opportunity to respond to this unmet need identified by current employees, and help us further improve our benefits package to appeal to millennials. The facility should accommodate approximately 75 more children, with the potential to serve a total of 139 children between the existing facility at Uhle Street and a new location. Arlington County's Human Services (DHS) and Human Resources (HRD) would work together to design the new facility and restructure the current contract terms and conditions to better meet childcare needs identified by County employees. The County will explore options for a community benefit also. HRD will work with other departments to potentially open the outdoor play space to the community after hours, providing recreational space where it does not currently exist. In addition, the County can also explore the possibility of reserving a few daycare spaces for low income community members.

Parks Maintenance Program \$1,572,855

Arlington County currently maintains an extensive inventory of park and recreation assets on over 900 acres of parkland, which includes playgrounds, athletic fields, athletic courts, field and court lighting, picnic shelters, comfort stations, site furnishings, parking lots, park trails and other assets. The Parks Maintenance Capital Program provides capital funding to maintain these valuable assets by proactively replacing inefficient and outmoded infrastructure and preventing premature failure.

- Parks Maintenance Capital \$1,322,855

The adopted FY 2017 PAYG budget will fund the design and construction of a major renovation of the skate park feature at Powhatan Springs Park; the design of two large bundled renovation projects at Henry Clay Park and Madison Manor Park; design and construction of the stadium field lights at Wakefield High School (costs will be shared with Arlington Public Schools), and funding for the staff position that manages the Parks Maintenance Capital Program.

- Parks Synthetic Field \$0

The synthetic field program is largely focused on replacement of existing synthetic turf fields that are approaching the end of their useful life, combined with three new field locations over the ten **year period, eventually bringing the County's total inventory** of synthetic fields to sixteen (16). For FY 2017, the program will focus on a new field at a location to be guided by the Public Spaces Master Plan update which is currently underway. The project will include the field as well as field lights, associated site amenities and pedestrian circulation. County contingency balances will be used to fund design if the location is determined within the FY 2017 timeframe.

▪ Parks Field Fund \$250,000

The 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 (annual estimate of \$180,000). The fees are targeted towards conversion of one existing grass turf field to synthetic turf in FY 2017 as identified in the FY 2015–FY 2024 CIP and above. The fees assessed on diamond fields (annual estimate of \$70,000) are to be used each year for specific diamond field enhancements, such as improved irrigation, batting cages, or accelerated sod replacement. A significant portion of the FY 2017 funds are being used to construct two new batting cages at Tuckahoe Park.

Information Technology \$1,007,000

The majority of equipment, systems and information technology projects are funded under the master lease equipment finance program. The master lease program is a financing mechanism to acquire equipment, rolling stock, technology and systems that have useful lives ranging from three to ten years. These projects can be found under the Master Lease section of the budget.

Pay-As-You-Go (PAYG) funds are more flexible and can also be used to pay for equipment. The decision to use either master lease or PAYG to pay for equipment depends on the type of equipment, affordability, whether or not there are dedicated funding sources and timing of when the equipment needs to be purchased.

▪ Voting Scanners \$749,000

FY 2017 PAYG funding will provide for the voting machines needed for the 2016 presidential election. This includes precinct scanners, ballot marking devices, voting booths, and other related electoral equipment and supplies.

▪ Electronic Summons System \$258,000

Effective in FY 2015, the County began assessment of a \$5.00 fee as part of the costs in each criminal or traffic case in the district or circuit courts for the use of purchasing 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. Once the citation is completed, the transaction data is 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 peripheral equipment such as handheld devices, portable printers, driver's license scanners and barcode readers** as well as the maintenance required for the system. The FY 2017 PAYG budget reflects the projected annual revenue (\$175,000) from the fees as well as reconciliation from FY 2015 actual revenues received over the FY 2015 budgeted amount.

Neighborhood Conservation \$500,000

The Neighborhood Conservation (NC) Program funds public improvements in neighborhoods throughout the County for which the County Board has accepted Neighborhood Conservation Plans developed by civic associations. Projects include installation of curb, gutter, sidewalk, street lights, neighborhood signs, and landscape restoration, including tree installation; storm drainage improvements, including bio-retention basins; park enhancements and renovations; and reconfiguration of streets and intersections to address traffic management and increase pedestrian safety. Typically the County funds the NC program through PAYG every year as well as bonds considered by voters every two years.

County-Schools Capacity Projects \$5,000,000

As Schools pursues its aggressive capital program to meet enrollment growth, the community has identified numerous site-specific needs in transportation infrastructure, utility undergrounding, traffic circulation, pedestrian and bike safety, recreation, and other areas. This funding contingent will allow the County to collaboratively address these needs and to make improvements at some joint use facilities. The FY 2014 and FY 2015 funding for this program allocated a total of \$10.6 million. Of this amount, \$2.6 million has been spent towards the Thomas Jefferson foundation repair project, \$3.1 million funded projects at the Discovery Elementary School at Williamsburg, \$2.8 million funded improvements for the Ashlawn Elementary School addition and renovation project, and \$0.8 million funded additions and renovations at McKinley Elementary School. The FY 2017 funding sources, of which 50 percent were attributed by County and 50 percent by Schools, will continue the improvements towards these infrastructure projects.

Land Acquisition \$3,923,151

Funds in the program are set aside for the acquisition of the Buck Property for specific County use as well as general land acquisition as opportunities arise.

Capital Contingent \$185,000

The FY 2017 adopted budget continues funding for administrative support of capital projects tracking and reporting in the Department of Management and Finance. This was added in the FY 2015 adopted budget as one-time funding. Remaining balances (\$52K) are for contingency needs as unplanned or unforeseen issues arise.

**GENERAL CAPITAL PROJECTS FUND
FUND STATEMENT**

	FY 2015 ACTUAL	FY 2016 ADOPTED	FY 2016 RE-ESTIMATE	FY 2017 ADOPTED
ADJUSTED BALANCE, JULY 1	\$ 80,700,622	\$ 58,732,956	\$ 97,213,377	\$ 65,317,886
REVENUES:				
Commonwealth of Virginia	3,759,621	-	-	-
City of Falls Church	-	150,000	-	-
Charges for Services	15,660,839	-	-	-
Miscellaneous Revenue	2,792,060	-	-	-
Proceeds from Lease Purchase	6,383,803	-	-	-
TOTAL REVENUE	28,596,323	150,000	-	-
Transfers In (Out):	(2,286,818)			
Transfers In	29,993,113	9,408,646	9,408,646	11,615,946
TOTAL TRANSFERS IN (OUT)	27,706,295	9,408,646	9,408,646	11,615,946
TOTAL BALANCE, REVENUES AND TRANSFERS IN	137,003,240	68,291,602	106,622,023	76,933,832
EXPENDITURES:				
Capital Projects - Current Year	39,789,863	9,558,646	9,408,646	11,615,946
Capital Projects - Carry-Over		28,503,771	31,895,491	33,000,000
TOTAL CAPITAL EXPENDITURES	39,789,863	38,062,417	41,304,137	44,615,946
BALANCE, JUNE 30	\$ 97,213,377	\$ 30,229,185	\$ 65,317,886	\$ 32,317,886

Most capital projects span multiple years, from design to construction completion. The FY 2015 Actual and FY 2016 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 2017 adopted budget column is presented in a similar fashion to show planned execution of projects in the fiscal year. These are staffs' best estimates based on preliminary plans and design and construction schedules.

Transportation Maintenance Capital FY 2017 Project List		
Paving	The inventory of streets is broken down as follows: 25 percent are arterial streets, 11 percent are collector streets and 64 percent are residential streets. The Pavement Condition Index (PCI) is updated annually and Arlington's average PCI is currently 67 . The County uses a variety of maintenance strategies to maintain streets as detailed below.	
Program	Description	Funding
Hot Mix Overlay	Paving has been increased to 75 lane miles annually. This includes about three lane miles of streets without curb and gutter (five percent of funding).	\$10,400,000
Slurry Seal	Slurry Seal extends the life of pavement on Residential Streets at a much lower per square yard cost. Program is based on approximately 40 lane miles being slurry sealed annually.	\$550,000
Microsurfacing	Microsurfacing extends the life of pavement for Arterial Streets at a much lower per square yard cost. Program is based on approximately 10 lane miles being microsurfaced annually.	\$350,000
Re-Building of Streets	Re-builds include partial and total excavations of blocks to re-build the base and sub-base of roadways where significant roadway failure has occurred. Since 2008, an innovative process to stabilize soil with cement has reduced re-build costs by around 50 percent.	\$1,000,000
Subtotal Paving Program Only Funding includes PAYG (\$2.07M) and Bonds* (\$10.23M)		\$12,300,000
Other Transportation Maintenance Capital	Includes bridge maintenance, transportation systems & traffic signals, streetlights, bus fleet rehabilitation, and regulatory signage.	\$1,736,000
* Bonds are planned from the upcoming 2016 referenda. TOTAL (PAYG \$3.806M; Bonds \$10.23M)		\$14,036,000

Facilities Maintenance Capital FY 2017 Project List	
Project Name - Description	Cost Estimate
1. Justice Center Main Sewer Line Repair - The project consists of repairing and re-lining the Justice Center Sewer system with a structural epoxy spray system and related products, without excavating a considerable amount of the garage concrete floor and foundation to access connections.	\$914,000
2. Westover Branch Library Envelope Repairs - The project will address water infiltration issues associated with the brick façade and windows to address water infiltration issues. The work will be staged so that the library remains open during the project.	\$678,000
TOTAL PAYG	\$1,592,000

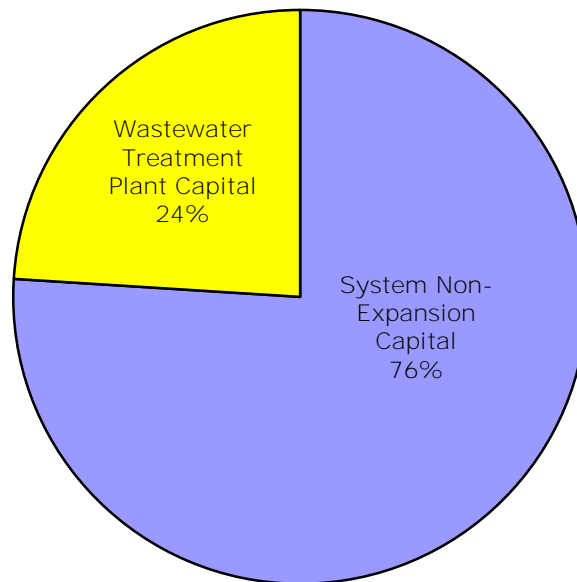
Facilities Design and Construction, FF&E FY 2017 PAYG Project List	
Project Name - Description	Cost Estimate
1. Residential Program Center – In FY 2016 the budget was approved to repair the reception desk at RPC, the desk is unable to be repaired and this request supplements the request for replacement.	\$23,000
2. Courts Police – Replace old filing system with new high density files and replace flooring.	\$69,000
3. Courts Police Building – Replace approximately 154 chairs for the Police Department.	\$88,000
4. Gables House - Furnish 14 apartments, common area, dining area, offices, conference room, storage areas, and terrace.	\$384,000
TOTAL PAYG	\$564,000

Parks Maintenance Capital Program FY 2017 Project List	
Project Name - Description	Cost Estimate
1. Powhatan Springs Park – Design only for replacement of the skate park, site furnishings signage and ADA parking.	\$287,965
2. Henry Clay Park – Design only for replacement of the basketball court, playground, athletic field, picnic shelter, site circulation, site furnishings, signage, fencing, drainage, and landscaping.	\$307,245
3. Madison Manor Park – Design only for replacement of the basketball court, playground, athletic fields, picnic shelter, parking, site circulation, site furnishings, signage, fencing, drainage, and landscaping.	\$217,048
4. Wakefield Stadium Lights – Design and construction for demolition and new lights on the high school stadium field (assumes APS cost sharing of \$253,731 for total project cost of \$634,328).	\$380,597
5. Field Fund Program – The fees assessed for rectangular fields are directed to support replacement and construction of synthetic turf fields in the County (annual estimate of \$180,000). The fees assessed on diamond fields (annual estimate of \$70,000) are to be used each year for specific diamond field enhancements, such as improved irrigation, batting cages, or accelerated sod replacement.	\$250,000
6. Capital Assets Manager – Maintenance Capital program staff	\$130,000
7. Synthetic Turf Program – Design for a new synthetic turf field as well as field lights, associated site amenities and pedestrian circulation. The location will be guided by the Public Spaces Master Plan update which is currently underway. County contingency balances will be used to fund design if the location is determined within the FY 2017 timeframe.	\$0
TOTAL PAYG	\$1,572,855

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 2017 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 2017 ADOPTED PAYG BUDGET SUMMARY

PROGRAM CATEGORY	AMOUNT
UTILITIES	
Wastewater Treatment Plant Capital	\$4,469,000
System Non-Expansion Capital	13,812,500
Total Project Cost	18,281,500
Less: Infrastructure Availability Fees & Other Revenue	6,471,000
Net Utilities Funds Support	\$11,810,500

Note: Other revenue includes non-expansion Interjurisdictional revenue of \$1,371,000.

FY 2017 ADOPTED UTILITIES BUDGET

Wastewater Treatment Plant Improvements (Non-Expansion) \$4,469,000

- 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 (\$2,000,000).
- Solids Master Plan – Phase I (Biosolids Projects). This funding is for biosolids processes that are beyond their useful life and in need of replacement. Some potential projects include primary clarifier internal mechanisms, scum concentrator replacement, gravity thickener upgrades, motor control center replacement in the Preliminary Treatment Building, and bar screens upgrades (\$715,000). The Solids Master Planning process, approved in FY 2014 and currently in process, will include a condition assessment and provide replacement options and strategies for decision making.
- Improvements to Eads Property. Funding is for improvements to a property near the Water Pollution Control Plant that the County purchased in March 2010. This facility serves as the plant's off site warehouse, and is used for storage of larger and less frequently used items. Additionally, Arlington Transit (ART) has some offices within the facility. Per a memorandum of understanding dated November 23, 2011, the Transit Bureau contributes toward the cost of the site (\$100,000).
- 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 (\$974,000).

- Operations Control Building HVAC Replacement. Additional funding (\$680,000) is necessary for the replacement of the Heating, Ventilation, and Air-Conditioning (HVAC) system at the Operations Control Building at the Water Pollution Control Plant. This project was included in the FY 2015 – FY 2024 CIP in the amount of \$1.1 million and it has been determined that additional funding is required to complete this project.

System Non-Expansion Capital \$13,812,500

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. Fees 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**.

- Non-expansion inflow and infiltration sanitary sewer capital repairs and replacements (\$3,750,000)
- Capital improvements at the Washington Aqueduct (\$2,512,500), from which the County purchases drinking water. Arlington County pays approximately 16 percent of the capital costs for this organization.
- Water main replacement program (\$1,900,000)
- Water main cleaning and re-lining projects (\$1,800,000)
- Technology Enhancements (\$1,250,000)
- Interconnection improvements (\$1,000,000)
- Water/sewer frames & covers (\$600,000)
- Manhole rehabilitation (\$500,000)
- Large diameter sewer rehabilitation/replacement (\$500,000)

TOTAL UTILITIES BUDGET \$18,281,500

UTILITIES CAPITAL PROJECTS FUND
FUND STATEMENT

	FY 2015 ACTUAL	FY 2016 ADOPTED	FY 2016 RE-ESTIMATE	FY 2017 ADOPTED
ADJUSTED BALANCE, JULY 1	\$51,939,568	\$47,184,113	\$51,832,415	\$46,649,915
REVENUES:				
Infrastructure Availability Fees	6,273,269	5,000,000	5,010,000	5,000,000
Sewage Treatment Service Charges	402,764	585,650	585,650	1,371,000
Interest	187,744	100,000	100,000	100,000
TOTAL REVENUE	6,863,777	5,685,650	5,695,650	6,471,000
Transfers In (Out):				
Transfer In from Utilities Operating Fund	12,524,545	12,121,850	12,121,850	11,810,500
TOTAL BALANCE, REVENUES AND TRANSFERS IN	71,327,890	64,991,613	69,649,915	64,931,415
EXPENDITURES:				
Capital Projects - Current Year	19,495,475	17,807,500	17,807,500	18,281,500
Capital Projects -Carry-Over		5,192,500	5,192,500	12,957,500
TOTAL CAPITAL EXPENDITURES:	19,495,475	23,000,000	23,000,000	31,239,000
BALANCE, JUNE 30	\$51,832,415	\$41,991,613	\$46,649,915	\$33,692,415

Most capital projects span multiple years, from design to construction completion. The FY 2015 Actual and FY 2016 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 2017 adopted budget column is presented in a similar fashion to show planned execution of projects in the fiscal year. These are staffs' best estimates based on preliminary plans and design and construction schedules.

The County uses master lease financing to acquire equipment, rolling stock, furniture and technology purchases that have useful lives ranging from three to ten years. Master lease financing is very flexible, allowing the County to finance projects with minimal transaction costs and on an “as needed” basis over the term of the master lease. Because of the short-term maturities of master lease financing, interest rates are typically lower than rates on long-term bonds. The County typically procures equipment using temporary funding sources, and then draws funds from the master lease financing institution to reimburse the temporary sources. The projects discussed below are recommended to be financed through the master lease program with related debt service costs funded through the General Fund Non-Departmental budget or the affected departments’ budgets, as appropriate.

FY 2017 Master Lease Funded Project Costs (**\$ in 000’s**)

Public Safety Mobile and Portable Radios	\$4,275
Public Safety Mobile Data Computer & Infrastructure	2,273
Fire Defibrillators	2,083
Network Core Sustainability	1,733
Human Services Electronic Health Records	1,375
End User Computing (formerly PC Replacement)	833
Server Refreshment	580
Public Safety Network Equipment	500
Data Storage and Backup System	300
Network Electrical Power Remediation	50
TOTAL Program Cost	\$14,002

The FY 2017 list of projects will replace aged and critical technology infrastructure and public safety equipment. The FY 2017 debt service budget of \$7.4 million in the General Fund Non-Department budget for master lease is a 14 percent increase from the FY 2016 adopted level and reflects expansion of the debt service budget, which had been flat since FY 2013. Various public safety equipment, previously funded through one-time federal and state grants and other sources, have reached their end of life and must be refreshed. Ongoing Pay-As-You-Go (PAYG) funds have been transferred to the lease purchase debt service budget to sustain the necessary on-going replacement of critical public safety equipment.

This annual debt service budget level will cover the financing (principal and interest) costs of the **General Fund’s base program projects listed in the table above and continue to cover debt service costs of capital projects previously approved.**

Public Safety Mobile and Portable Radios	\$4,275,000
--	-------------

Mobile radios, used by public safety, are radios that are installed in County vehicles as well as used in the Emergency Communications Center as part of the dispatch system. They provide two-way communication between the Emergency Communications Center and public safety vehicles. 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. Both mobile and portable radios for the Police Department, **Sheriff's Department** and Office of Emergency Management are due for replacement as these devices are reaching the end of their support on December 31, 2018 (FY 2019). Relying on equipment past the end of support increases the vulnerabilities posed to operational staff as equipment failure will reduce communication options between first responders and dispatch personnel and may increase response times to critical events. By planning in advance, funding of the radios can be phased over two years to allow for easier transition, training, and budget management. The FY 2017 funding amount will replace half of the outdated mobile and portable radios. The second half of the funding will be requested in FY 2018. The radios have a useful life of seven years. The total cost is \$8.55 million and covers approximately 1,005 portable radios and 354 mobile radios and the supporting equipment such as batteries, chargers, cases, and microphones.

Public Safety Mobile Data Computer & Infrastructure	\$2,273,000
---	-------------

FY 2017 funding will refresh public safety Mobile Data Computers (MDCs) and related infrastructure. There are a total of 400 computers in public safety vehicles that will be replaced, of which, 310 are used by the Police Department, 80 are used by the Fire Department, and 10 are used by the **Sheriff's Department**. The mobile data computers have a useful life of five years and were last replaced in FY 2011. Costs connected with the mobile data computers include replacement of 300 vehicle docking stations. The infrastructure costs include servers, antennas, backup power supplies, diagnostic software, and installation. The MDC infrastructure, refreshed in FY 2013, has a three to four year life span and should be replaced in conjunction with the mobile data computers. Replacement of equipment within its useful lifecycle will reduce the likelihood of incurring higher maintenance costs, experiencing equipment failure and/or service delays. Equipment failure may result in communication delays that may increase response time to critical events and reduce access to critical information about individuals involved in emergency events.

Fire Defibrillators	\$2,083,000
---------------------	-------------

The patient defibrillators, carried on all Fire Department response vehicles, allow the Fire Department to treat many medical emergencies using the best technologies available. An example is the ability to monitor critical noninvasive blood gasses and to transmit critical information directly to hospitals when a patient is diagnosed as having a possible heart attack. The devices allow for advanced monitoring parameters, continuous cardiac monitoring that alerts the provider when changes occur, and biphasic technology that allows for continuous energy when dealing with the difficult-to-defibrillate patient. Additional features include temperature monitoring and external power sources in case of battery failure. Patient defibrillators dramatically reduce the time the patient will need to wait upon arrival at the hospital to get life saving surgery as doctors and specialty care are notified at the earliest possible time of the **patient's** critical condition. FY 2017 funding is net of trade in values and will pay for 34 defibrillators and related accessories. These defibrillators have a useful life of seven years and were last replaced in 2011. Lead time is needed to order, test, and train on the defibrillators before they can be fully operational.

Network Core Sustainability \$1,733,000

Funds for network core sustainability provide for continuous refreshment of County network equipment as it reaches end of life and/or requires enterprise-level feature enhancements and upgrades. This equipment supports the entire enterprise and includes routers and switches that are **the base for the County's voice, video, and data systems. Without sustainment funds, the voice and data network runs the risk of failure as equipment reaches end of life and/or becomes obsolete.** This funding will be used to replace eight end of life core large switches, upgrade end of life optics (lasers) from 10G to 40G bandwidth for increased network core capacity, and the first year of maintenance costs for the equipment.

Human Services – Electronic Health Records Upgrade \$1,375,000

The Department of Human Services manages mental health and substance abuse programs for the Community Services Board. The original software system purchased to manage these programs was installed over 15 years ago and will be reaching end of support when the existing contract expires in FY 2019. FY 2017 funding will be used to replace the electronic health record (EHR) that supports the Community Services Board (CSB) programs, update operations to conform to new mandates, take advantage of new technologies, and transfer the records from the existing system.

End User Computing \$833,000

The End User Computing replacement program (formerly known as PC Replacement) works by refreshing the County's **end user devices (PC's, laptops, tablets, etc.) on a four year replacement cycle.** This approach minimizes large capital outlays for these devices and keeps a large percentage of the inventory within warranty while being responsive to emerging technological trends. Given the technology available, the Department of Technology Services (DTS) will continue to work with customers to identify the most appropriate devices necessary for the users business needs. These funds will be used to replace approximately 654 devices.

Server Refreshment \$580,000

The server refreshment program works by replacing the County's storage servers on a five year replacement cycle. Without replacement, the applications that reside on these devices are at risk of failure. The FY 2017 budget will be used to replace approximately 10 physical host servers with the capacity of supporting 100 virtual servers along with associated software licenses, such as virtualization software, operating system, backup agents, and security software.

Public Safety Network Equipment Replacement \$500,000

Replacement of existing radio network equipment that supports the public safety network. This equipment will no longer be supported by the manufacturer after April 2019 so replacement needs to begin in FY 2017 to be fully tested and operational before it is no longer supported.

Data Storage and Backup System Replacement and Expansion \$300,000

The existing data storage units are at the end of their five year replacement cycle and need to be replaced. Replacement costs for this project of \$200,000 will also allow for projected growth in local storage needs which include application as well as departmental data. This project will replace six storage units. The existing data tape backup system is outdated, nearing the end of its five year useful life and needs to be replaced. This system is used to back up all County data from our

application servers and network drives on to backup storage drives. This project funding of \$100,000 will replace six drives on the backup tape drive system.

Network Electrical Power Remediation \$50,000

Existing electrical power sources cannot support power requirements of some of the County's network equipment. These funds will be used to install new power outlets and new power supplies in existing hardware. Total cost for the full remediation will be approximately \$200,000.