

FY 2017

Adopted Budget Plan



Capital Projects Overview

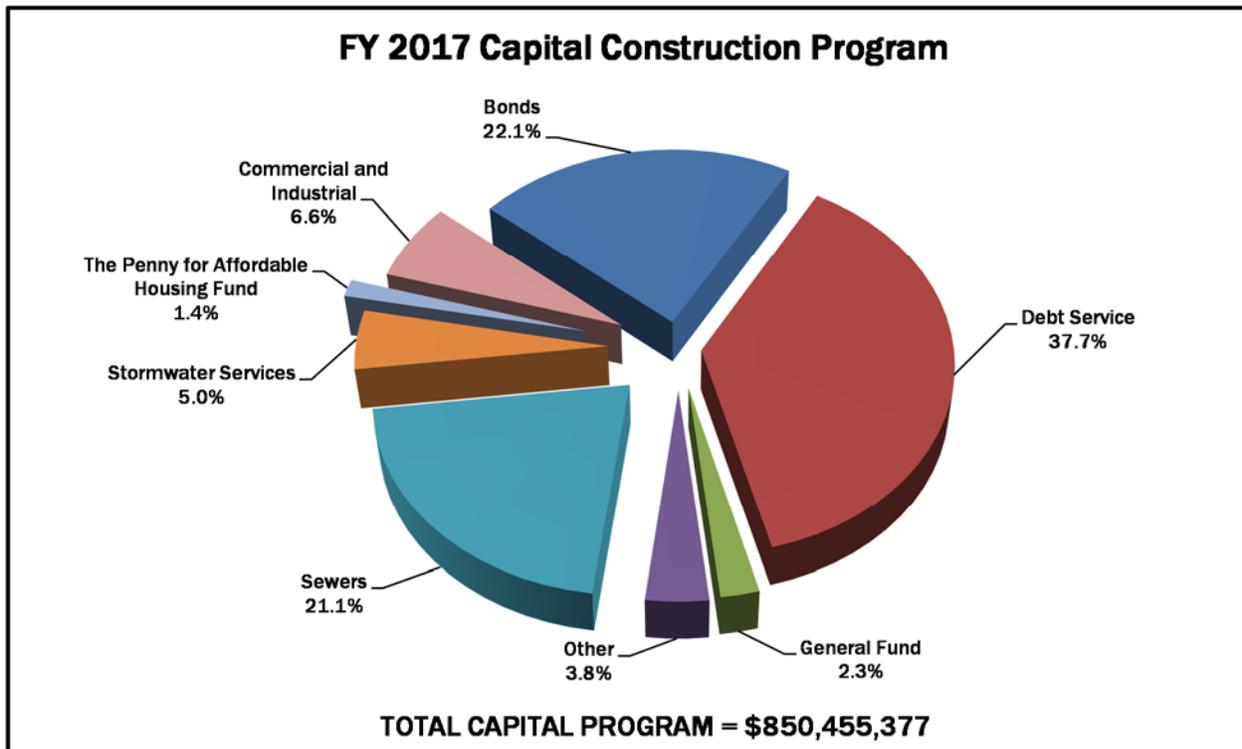
Capital Projects Overview

Summary of Capital Construction Program

The Capital Construction Program of Fairfax County is organized to meet the existing and anticipated future needs of the citizens of the County and to enable the County government to provide necessary services. The Capital Construction Program (other than sanitary sewer construction and resource recovery projects) is primarily financed through transfers from the General Fund and the sale of General Obligation Bonds. Supplementing the General Fund and General Obligation Bond monies are additional funding sources including federal and state grants, contributions, and tax revenues from special revenue districts.

The Fairfax County Capital Construction Program includes, but is not limited to construction of both new and renovated school facilities, park facilities, transportation facilities, libraries, trails/sidewalks, fire stations, government centers with police substations, stormwater management facilities, athletic fields, housing units to provide affordable housing opportunities to citizens, commercial revitalization initiatives and infrastructure replacement and upgrades at County facilities. In addition, the Program includes contributions and obligations in support of the capital construction.

Funding in the amount of \$850,455,377 is included in FY 2017 for the County's Capital Construction Program. Of this amount, \$320,522,544 is included for debt service and \$529,932,833 is included for capital expenditures. The source of funding for capital expenditures includes: \$19,541,876 from the General Fund; \$188,000,000 in General Obligation Bonds; \$179,643,827 in sewer system revenues; \$12,251,850 in Real Estate revenues supporting the Affordable Housing Program; \$42,511,612 in Stormwater Services revenue; \$56,218,434 in Commercial and Industrial revenues; and \$31,765,234 in financing from various other sources. Other sources of financing include, but are not limited to, transfers from other funds, pro rata share deposits, user fees, developer contributions and/or payments.

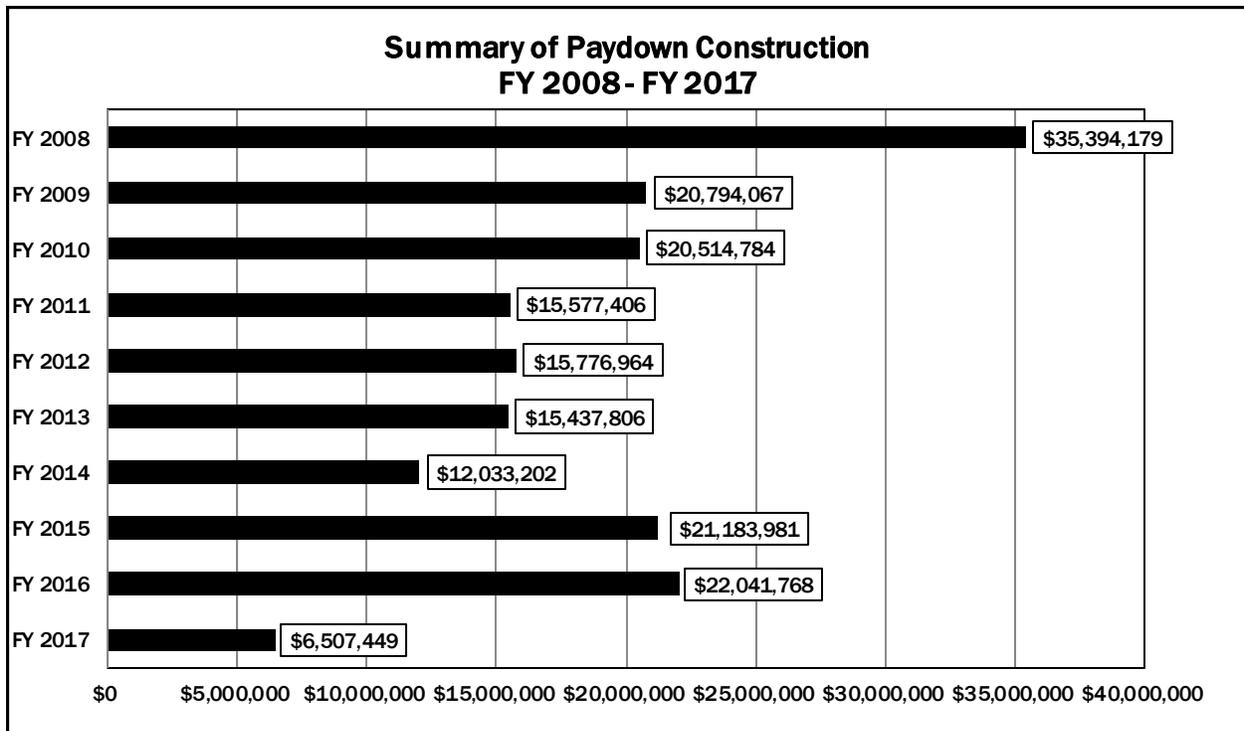


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General Fund Support

In FY 2017, an amount of \$19,541,876 is supported by the General Fund for capital projects. This includes an amount of \$13,034,427 for commitments, contributions and facility maintenance and \$6,507,449 for Paydown projects. The Paydown program has been redesigned at the request of the Board of Supervisors to exclude those projects that are on-going maintenance projects or annual contributions. Paydown now includes infrastructure replacement and upgrades, ADA compliance, athletic fields and other capital improvements. In addition, during their deliberations on the FY 2017 Advertised Budget Plan, the Board of Supervisors approved pre-funding an amount of \$9,311,551 as part of the *FY 2016 Third Quarter Review*, eliminating the need for this funding in FY 2017. Projects that were pre-funded as part of the *FY 2016 Third Quarter Review* include, ADA compliance at both Parks and County facilities, infrastructure replacement and upgrades projects at County facilities, design work associated with the Massey Building demolition and renovations required at the Burkholder Building, as well as funding to support planning efforts associated with the Massey complex and the future use of the original Mt. Vernon High School.

This graph below depicts the level of Paydown funding between FY 2008 and FY 2017. With the exception of FY 2008, Paydown funding has remained at a fairly consistent annual level. The increase in FY 2008 was attributed to several major projects that were supplemented with General Fund dollars including the McConnell Public Safety and Transportation Operations Center (MPSTOC). In addition, the approximate value of a penny of assessed real estate values was transferred from the General Fund to both the Penny for Affordable Housing Fund and the Stormwater Management Fund. The Penny for Affordable Housing fund is now funded directly by revenue from the Real Estate tax and the Stormwater Management Fund is now funded by a special service district. The decrease in FY 2017 is associated with a revised definition of Paydown, as well as the pre-funding of several projects in advance of FY 2017.



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Specifics of the FY 2017 funding for General Fund supported projects and Paydown projects include:

Athletic Field Program Maintenance

FY 2017 funding in the amount of \$7,610,338 has been included for the athletic field maintenance and sports program. This level of funding is supported by a General Fund transfer of \$6,135,338 and revenue generated from the Athletic Services Fee in the amount of \$1,475,000. Of the Athletic Services Fee total, \$250,000 will be dedicated to maintenance of school athletic fields, \$75,000 will be dedicated to synthetic turf field development, \$800,000 will be dedicated to the turf field replacement program, \$275,000 will be dedicated to custodial support for indoor sports organizations, and \$75,000 will partially fund the Youth Sports Scholarship Program. Specific funding levels associated with maintenance include:

- ◆ An amount of \$860,338 provides safe athletic fields needed for community use that the Park Authority does not own. In FY 2001, the Park Authority assumed the responsibility for specific contracted services aimed at improving the condition of athletic fields scheduled for community use at FCPS elementary schools, middle schools and centers; currently 171 sites and 361 athletic fields. Maintenance responsibilities include mowing at a frequency of 32 times per year and annual aeration/over-seeding. This effort is supported entirely by the General Fund and is managed by the Park Authority.
- ◆ An amount of \$1,000,000 is dedicated to the maintenance of diamond fields at Fairfax County Public Schools and is partially supported by the revenue generated by the Athletic Services Fee. This program provides twice weekly infield dragging on elementary, middle, and high school game fields (113 fields); pre- or post-season infield renovations (200 fields); mowing of high school diamond fields after June 1 as well as a turf management program of the high school diamond fields (53 fields). Annual maintenance of elementary and middle school fields' irrigation (36 sites/73 fields) is also funded through this program. All field maintenance is coordinated between the Park Authority and the Department of Neighborhood and Community Services. Of the total funding, an amount of \$250,000 is included for this program based on the FY 2017 projection of revenue generated from the Athletic Services Fee and \$750,000 is supported by the General Fund.
- ◆ An amount of \$50,000 is included for routine maintenance of girls' softball field amenities on select Fairfax County Public School sites. These amenities, such as dugouts, fencing and irrigation systems, were added or constructed by the County based on recommendations from the citizen-led Action Plan Review Team (APRT) in order to reduce disparities in the quality of fields assigned to boys' baseball and girls' softball organizations. Routine maintenance is necessary both to maintain equity and to ensure safety. For five years, funding of \$200,000 was provided to support Girls' Fast Pitch Field Maintenance improvements to various girls' softball fields throughout the County as requested by the Fairfax Athletic Inequities Reform (FAIR). FY 2017 funding will provide maintenance to the improvements and amenities previously made to girls' softball fields. This project is supported entirely by the General Fund and coordinated by Department of Neighborhood and Community Services.
- ◆ An amount of \$75,000 is included to support the development of synthetic turf fields. Fields are chosen through a review process based on the need in the community, projected community use and the field location and amenities. This effort is coordinated between the Park Authority and the Department of Neighborhood and Community Services and funding is provided from revenue generated from the Athletic Services Fee. It should be noted that as part of the *FY 2013 Carryover Review*, a Joint County School initiative was implemented to develop new synthetic turf fields throughout the County. This recommendation was based on the findings of the Synthetic Turf Field Task Force in its July 2013 report at which time it was estimated that \$12.0 million would be required to fund 15 synthetic turf fields at

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the 8 remaining high schools in the County that did not currently have turf fields. The total original County and School commitment of \$9.0 million is required to supplement the community funding and proffer funding, primarily in the Lee and Mt. Vernon Districts, which have been identified. The County and Schools each contributed \$1.5 million at the FY 2013, FY 2014 and FY 2015 Carryover Reviews to reach the \$9.0 million commitment. Funding of \$500,000 had been dedicated to this program annually; however, based on the joint County/Schools initiative, all but \$75,000 in athletic services fee revenue has been redirected to the turf field development program.

- ◆ An amount of \$2,700,000 is included for athletic field maintenance and repairs, irrigation repairs, lighting repairs, turf maintenance, utility costs, and capital equipment replacement costs. In FY 2015, the Park Authority was responsible for full service maintenance on 268 athletic fields, of which 40 were synthetic turf, 228 natural turf, 113 were lighted and 113 were irrigated. The fields are used by more than 200 youth and adult sports organizations as well as Fairfax County citizens. This effort is supported entirely by the General Fund and is managed by the Park Authority.
- ◆ An amount of \$275,000 is included for custodial support for indoor gyms used by sports organizations. The use of FCPS indoor facilities on the weekend requires FCPS to schedule a school system employee to open and close the facility. Revenue generated from the Athletic Services Fee is used to provide payment for FCPS staff, eliminating the need for indoor sports organizations to pay the hourly rate previously charged. This project is entirely supported by revenue generated from the Athletic Services Fee and is managed by the Department of Neighborhood and Community Services.
- ◆ An amount of \$150,000 is included for the Youth Sports Scholarship Program. The Youth Sports Scholarship Program provides support to youth from low-income families who want to participate in community-based sports programs. Of the total funding, an amount of \$75,000 is included for this program based on the FY 2017 projection of revenue generated from the Athletic Services Fee, and \$75,000 is supported by the General Fund.

Specific funding levels associated with Paydown capital improvements include:

- ◆ An amount of \$250,000 is included to continue the replacement and upgrading of Fairfax County Public Schools (FCPS) athletic field lighting systems at middle and high schools used by many County organizations. Funding supports a replacement and repair schedule, as well as improvements to bring existing lighting systems up to new standards. The school system's Office of Design and Construction Services ensures lighting standards are maintained and FCPS annually prioritizes funding for field lighting. FY 2017 funding supports the replacement and repair for one field's existing lighting systems. This project is supported entirely by the General Fund and coordinated by the Department of Neighborhood and Community Services.
- ◆ An amount of \$2,250,000 is included for the turf field replacement program in FY 2017. Funding of \$800,000 is supported by Athletic Service Fee revenue and \$1,450,000 is supported by the General Fund. This level of funding represents an increase of \$1,000,000, including an increase of \$375,000 from Athletic Service Fee revenue, \$500,000 from the General Fund, and a redirection of Athletic Service Fee revenue of \$125,000 from the Turf Development project. The increase in Athletic Service Fee revenue is based on a recommendation to increase the current rate of \$5.50 per participant per season to \$8.00 per participant per season and an increase in the tournament team fee from \$15 to \$50 per team per tournament (for rectangular fields players only). There are a total of 86 synthetic turf fields throughout the County, of which 23 are FCPS stadium fields and 63 are County Parks/FCPS non-stadium fields. This increase would support the replacement of the 63 County turf fields. There are over 130,000 youth

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and adult participants (duplicated number) annually that benefit from rectangular turf fields. Increased funding is needed to begin to address the growing need for field replacement and to establish a replacement schedule over the next 10 years. If turf fields are not replaced when needed, they may need to be closed for safety reasons. The first turf field replacement efforts began in 2013 for the first two fields developed. Most manufacturers provide an eight-year warranty for a properly maintained synthetic turf field; however, it is a generally accepted practice to assume a life expectancy of the synthetic turf field of no more than 10 years. For planning purposes, the County adopted an annual budget estimate of a little more than half of the installation funding, which is a generally accepted practice for the industry. However, based on a projected ten-year replacement cycle and the current 63 County field inventory, replacement funding requires a regular financial commitment. The current projected replacement cost per field is approximately \$450,000. Current funding levels, which include anticipated partner field support contributions, will not support the replacement needs and additional funding is required to continue to plan for the gradual replacement of turf fields as they reach the end of their useful life. Staff has developed a 10-year replacement plan for the current inventory which requires revenue from a proposed increase to the Athletic Fee and additional General Fund support. Fairfax County's Athletic Fee is currently the lowest in the region. Even with the approved FY 2017 increase, the fee would remain in line with other jurisdictions.

Jurisdiction	Application Fee
Prince William	\$24.00 youth/\$38 adults
Loudoun	\$12.50
Arlington	\$8.00
City of Alexandria	\$12.00
Fairfax County	\$5.50 Current/\$8.00 Adopted

Parks

FY 2017 funding in the amount of \$1,909,000 has been included for Park facilities and grounds. This amount includes an increase of \$226,924 over the [FY 2016 Adopted Budget Plan](#) funding level. The Park facilities maintained with General Fund monies include but are not limited to: rental properties, historic properties, nature centers, maintenance facilities, sheds, shelters, and office buildings. Park priorities are based on the assessment of current repair needs including safety and health issues, facility protection, facility renewal and improved services. In addition, Park maintenance requirements are generated through scheduled preventative maintenance or from user requests for facility alterations. Without significant reinvestment in building and grounds, older facilities can fall into a state of ever decreasing condition and functionality, resulting in increased maintenance and repair costs in the future. Preventative and repair work is required for roof replacement and repair, HVAC, electrical and lighting systems, fire alarm systems and security systems. Funding is essential to the maintenance and repair of building stabilization, including capital renewal of over 567,053 square feet at non-revenue supported Park Authority structures and buildings. Maintenance is also required on over 580 pieces of grounds equipment. Specific funding levels associated with maintenance include:

- ◆ An amount of \$476,000 is provided to fund annual requirements for Parks grounds maintenance at non-revenue supported parks. The Park Authority is responsible for the care of a total park acreage of 23,354 acres of land with 426 park site locations. This funding is also used for arboreal services in response to citizens' requests. In FY 2017, an increase of \$212,924 over the [FY 2016 Adopted Budget Plan](#) has been included to address arboreal services that consist of pruning, removals, and inspections of tree health within the parks. There has been a rise in staff responses to requests from residents and

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other park staff for the inspection and removal of hazardous or fallen trees within the parks and those that may pose a threat to private properties.

- ◆ An amount of \$484,000 is included to provide corrective and preventive maintenance for over 567,053 square feet at non-revenue supported Park Authority structures and buildings. This maintenance includes equipment repairs, the scheduled inspection and operational maintenance of HVAC, plumbing, electrical, security and fire alarm systems. This funding is critical in order to prevent the costly deterioration of facilities due to lack of maintenance.

Specific funding levels associated with Paydown capital improvements include:

- ◆ An amount of \$425,000 is included for general park infrastructure replacement and upgrades at non-revenue supported Park facilities. These requirements include major non-recurring repairs and stabilization of properties, as well as repairs/replacements and improvements to roofs, electrical and lighting systems, sprinklers, HVAC systems, and the replacement of security and fire alarm systems. In FY 2017, funding is included to repair and replace roofs at prioritized picnic shelters and outdoor public restrooms (\$150,000); replace aged security systems at various sites throughout the County (\$150,000); and replace windows, doors, and siding at picnic shelters, historic sites, and maintenance facilities (\$125,000).
- ◆ An amount of \$524,000 is provided to fund minor capital improvements. The Park Authority is responsible for the maintenance and repair of tennis courts, basketball courts, trails, picnic areas and picnic shelters, playgrounds, bridges, parking lots and roadways, and stormwater ponds.

Environmental Initiatives

FY 2017 funding of \$535,000 has been included for environmental initiatives. FY 2017 projects were selected based on the project selection process supported by the Environmental Quality Advisory Council (EQAC). The selection process includes the application of specific project criteria, review of proposals from County agencies, and identification of projects for funding. Specific funding levels include:

- ◆ An amount of \$150,000 is included to continue the Invasive Plant Removal Program. The Park Authority manages this volunteer program, as well as other invasive removal initiatives. These programs restore hundreds of acres of important natural areas, protect tree canopy, and reach thousands of volunteers. Currently more than 12,000 trained volunteer leaders have contributed 37,400 hours of service since the program's inception in 2005, improving over 1,000 acres of parkland.
- ◆ An amount of \$5,000 is included for the Green Purchasing Program. This program is designed to support limited term staff to assist in clearly specifying environmental attributes during the County's procurement process. Fairfax County has a current inventory of over 2,400 contracts and emphasizing environmental attributes such as recycling, energy efficiency, durability and reduced toxicity during the procurement process can contribute to the purchase of green products, creating fiscal and environmental savings.
- ◆ An amount of \$75,000 is included for the Watershed Protection and Energy Conservation Matching Grant Program. This program is intended to support the Energy Education and Outreach initiatives and promote community engagement around sustainability and conservation issues. Specifically, the Watershed Protection and Energy Conservation matching grant program will provide financial incentives to empower homeowners through their associations to implement on-the-ground

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sustainability projects. The initiative will build on current programs that provide technical assistance, hands-on support, outreach and education to Fairfax County homeowners and residents. Projects will improve water quality, reduce greenhouse gas emissions and conserve energy and water. The \$75,000 program funding level will include printing and materials, matching grants of \$500 - \$3,500 up to \$30,000 total for all grants and one limited term full-time position to support the program, conduct outreach and education, site assessments, inspections and other responsibilities.

- ◆ An amount of \$105,000 is included for lighting retrofits and upgrades at Fairfax County Park Authority facilities for energy efficiency and conservation. Lighting will be upgraded to LED fixtures and lighting controls will be installed to manage operating hours more efficiently. These energy saving retrofit replacements will reduce approximately 80 percent of energy usage, improve lighting, reduce the Greenhouse gas inventory and contribute to the dark skies initiative.
- ◆ An amount of \$95,000 is included to install Water Smart web-based irrigation controllers utilizing ET (Evapotranspiration) weather technology at the remaining Park facilities that have existing irrigation systems. Smart irrigation controllers poll local weather data and review soil conditions on a daily basis to automatically schedule watering times. Along with weather monitoring, smart irrigation controllers monitor water flow, which allows the system to report out via text or email any leak or system malfunction. The system will also shut off all water completely if it detects a major main line break. With weather and flow monitoring, smart irrigation controllers can reduce water irrigation consumption and pumping by 20 to 40 percent. This in turn can result in a 10 to 20 percent electrical savings as well.
- ◆ An amount of \$55,000 is included to install Variable Frequency Drives (VFDs) at five RECenter pools. A VFD is a type of adjustable-speed drive used to control motor speed by varying motor input frequency and voltage. VFDs have been shown to increase performance in pool pumping applications. A VFD could save up to 60 percent or more on a pump's electricity usage. The pool pump will operate more efficiently, which will result in cost savings to the County due to lower electricity use and reduced maintenance costs.
- ◆ An amount of \$50,000 is included to construct a protected bike lane demonstration project in Tysons on Virginia Department of Transportation (VDOT) Right-of-Way (ROW). Every year, VDOT repaves select roadways throughout Fairfax County. In conjunction with VDOT's repaving work, Fairfax County Department of Transportation (FCDOT) has successfully created over 50 miles of bicycle facilities. This demonstration project will build upon the existing coordination efforts with VDOT to create the County's first protected bike lane on Westbranch Drive from Jones Branch Drive to Westpark Drive in Tysons Corner that will be part of the County's bicycle network. A protected bike lane is a required safety enhancement in certain areas because of the high volume and proximity of automobile traffic to the bicyclists.

In addition, an amount of \$58,140 has been provided in Fund 10030, Contributory Fund, to continue partnering with two non-profit agencies to support tree planting efforts throughout the County.

On-going Development, Infrastructure Maintenance, and Revitalization

- ◆ Funding of \$1,260,000 is included to address only the most critical aspects of property management at the Laurel Hill property. Laurel Hill was transferred to the County by the federal government and includes approximately 2,340 acres of land and 1.48 million square feet of building space. Of the amount funded in FY 2017, \$860,000 will fund the Facilities Management Department's security,

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maintenance services, and grounds maintenance. The remaining \$400,000 will fund the Park Authority's critical maintenance activities and support staff.

- ◆ An amount of \$50,000 is included to support payments to developers for interest earned on conservation bond deposits. The County requires developers to contribute funds to ensure the conservation of existing natural resources. Upon satisfactory completion of projects, the developer is refunded the deposit with interest. This estimate is based on actual experience in the past several years.
- ◆ An amount of \$75,000 is included to support the maintenance of geodetic survey control points for the geographic information system (GIS). This project also supports the development and maintenance of an interactive, GIS-based website that will provide convenient and cost effective monumentation information to the County's land development customers.
- ◆ An amount of \$100,000 is included for the Emergency Directives Program. The Emergency Directives Program was established to provide for abatement services of both emergency and non-emergency directives related to health and safety violations, grass mowing violations, and graffiti removal directives. The funds are used to perform corrective maintenance for code violations under Chapter 46 and Chapter 119 of the Fairfax County Code, in which cited property owners fail to correct.
- ◆ An amount of \$750,000 is included to continue routine and non-routine maintenance in five major commercial revitalization areas (Annandale, Route 1, Springfield, McLean and Baileys Crossroads) and 10 Commuter Rail and Park-and-Ride lots. The goal of this program is to provide an enhanced level of infrastructure and right-of-way features in these urbanizing areas in order to facilitate pedestrian movements and create a "sense of place." The maintenance in the commercial revitalization areas currently includes trash removal and quality control inspections once a week; grass mowing and weed control once every two weeks; edging, bus shelter glass cleaning, and night light inspection once a month; fertilization and shearing once every three months; pest control, leaf removal, and shrub pruning once every four months; mulching and seasonal flower rotation once every six months; and irrigation maintenance as necessary. FY 2017 funding will support improvements such as maintenance and/or replacement of degraded and/or failing sidewalk and crosswalk pavers.
- ◆ An amount of \$460,000 is included to support routine and non-routine maintenance services to the Tyson's Corner and Silver Line project. More specifically, this project will provide funding for recurring landscaping maintenance associated with the Tyson's Corner Silver Line area along the Route 7 corridor, from Route 123 to the Dulles Toll Road. Routine maintenance services include landscape maintenance along the median and both sides of the road, trash removal, snow removal, and stormwater facility maintenance. The primary difference between maintenance requirements related to the Silver Line Metro system stations (Phase I) and other existing Metro stations is the County's maintenance requirement associated with 27 water quality swales under the raised tracks of the Silver Line located in VDOT right-of-way. Typical maintenance for the swales will include litter and sediment removal, vegetation care, and structural maintenance. It is anticipated that additional maintenance responsibilities may be added during the construction of Phase II of the Silver Line.

Obligations and Payments

- ◆ Funding of \$891,600 is included for the annual payment associated with the Salona property based on the Board of Supervisors' approval of the purchase of this conservation easement on September 26, 2005. The total cost of the property is \$18.2 million with payments scheduled through FY 2026.

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- ◆ Funding of \$1,000,000 is included for the County's annual contribution to offset school operating and overhead costs associated with School-Age Child Care (SACC) Centers.
- ◆ Funding of \$2,517,489 is included for Fairfax County's contribution to the Northern Virginia Community College (NVCC). Funding provides for the continued construction and maintenance of various capital projects on college campuses within the NVCC system. The FY 2017 rate of \$2.25 per capita is consistent with the FY 2016 level. The NVCC capital plan has recently been adjusted to keep pace with accelerated enrollment and it is anticipated that capital contributions from the partners will continue to be adjusted gradually to avoid a major commitment from supporting jurisdictions in any given year. The \$2.25 rate is applied to the population figure provided by the Weldon Cooper Center.

County Infrastructure Replacement and Upgrades

Infrastructure Replacement and Upgrades support the long-term needs of the County's capital assets to maximize the life of County facilities, avoid their obsolescence, and provide for planned repairs, improvements and restorations to make them suitable for organizational needs. Fairfax County will have a projected FY 2017 facility inventory of over 9.2 million square feet of space (excluding schools, parks, housing and human services residential facilities). This inventory continues to expand with the addition of newly constructed facilities, the renovation and expansion of existing facilities and the acquisition of additional property. With such a large inventory, it is critical that a planned program of repairs and restorations be maintained. In addition, the age of a major portion of this inventory of facilities is reaching a point where major reinvestments are required in the building subsystems.

Each year, the Facilities Management Department (FMD) prioritizes and classifies infrastructure replacement and upgrade projects into five categories. Projects are classified as Category F: urgent/safety related, or endangering life and/or property; Category D: critical systems beyond their useful life or in danger of possible failure; Category C: life-cycle repairs/replacements where repairs are no longer cost effective; Category B: repairs needed for improvements if funding is available, and Category A: good condition.

The requirement for County infrastructure replacement and upgrades is estimated at \$26 million per year. This estimate is based on current assessment data, as well as industry standards (2 percent of the current replacement value). Based on current staffing levels, the complexity of many of the projects, and the timeline for completing replacement and upgrade projects, it is estimated that approximately \$15 million per year would be a good funding goal. In an effort to move closer to the funding goal of \$15 million, for FY 2017, an amount of \$12,417,153 in priority projects has been provided using multiple funding sources. First, an amount of \$5,000,000 is supported by the General Fund, including an amount of \$3,591,551 that was funded as part of the *FY 2016 Third Quarter Review* and an amount of \$1,408,449 that is included in the FY 2017 Adopted Budget Plan. Second, an amount of \$2,810,000 will be supported by existing Public Safety bonds available in completed projects as a result of the favorable bid environment. These projects, all located at Public Safety/Courts facilities, are large upgrade projects with life spans in excess of 20 years and appropriately funded by bonds. Finally, an amount of \$4,607,153 will be supported by the Capital Sinking Reserve Fund. The Capital Sinking Reserve Fund was established as a direct result of the IFC and has accumulated over the last two years based on the approval of funding at both the *FY 2014 Carryover Review* and the *FY 2015 Carryover Review*. The allocation of the Sinking Fund was approved as part of the *FY 2016 Third Quarter Review*. FMD projects requiring funding in FY 2017 will take advantage of the two prior years of funding in the Capital Sinking Reserve Fund, with an effort to reach close to the \$15 million goal in General Fund support in future years.

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All of the FY 2017 funding sources will address 10 of the top priority Category F projects. FMD has identified to date an additional 146 Category F and 45 Category D projects. The funding required to address the remaining Category F and D projects is in excess of \$78 million. Analysis of these requirements is conducted annually and projects may shift categories, become an emergency and be funded by the emergency systems failures project, or be eliminated based on other changes, such as a proposed renovation project.

Trails and Roads Repairs

- ◆ An amount of \$500,000 is included for the Reinvestment, Repair, and Emergency Upgrades of County Roads. The County is responsible for 43 miles of roadway service drives not maintained by VDOT. As part of the *FY 2014 Third Quarter Review*, funding was approved to build an accurate inventory and condition assessment of County-owned roads and service drives. The 2015 Rinker study identified an amount of \$4 million in reinvestment funding requirement for the roadways with the most hazardous conditions, as well as \$500,000 in FY 2017 for annual emergency repairs. Staff will prioritize funding for projects including emergency safety and road repairs. On-going road maintenance includes, but is not limited to, pothole repair, drive surface overlays, sidewalk and curb repairs, traffic and pedestrian signage, hazardous tree removal, grading, snow and ice control, replacement of substandard materials, patching of existing travelways, minor ditching and stabilization of shoulders, slopes and drainage facilities. It is anticipated that funding for the \$4 million reinvestment program will be funded over a 5-year period, with initial funding from the allocation of the Capital Sinking Fund, approved as part of the *FY 2016 Third Quarter Review*.
- ◆ An amount of \$400,000 is included for emergency and critical repairs to County trails, sidewalks and pedestrian bridges. The Department of Public Works and Environmental Services (DPWES) and the Fairfax County Department of Transportation are responsible for maintaining approximately 664 miles of walkways and 68 pedestrian bridges. On-going critical repairs include the correction of safety and hazardous conditions such as the deterioration of trail surfaces, the replacement and/or repair of guardrails and handrails, and the rehabilitation of pedestrian bridges. Service levels have significantly fluctuated for the pedestrian program based on funding constraints. Repairs are performed on a complaint basis only, and are limited to addressing only emergency and safety related requirements. The FY 2017 funding level represents an increase of \$100,000 over the FY 2016 Adopted Budget Plan based on the recommendations of the 2013 Rinker Study for annual funding. This study was conducted in order to build an accurate inventory and condition assessment of County walkways and revealed that there are approximately 10 miles of trails in extremely poor condition requiring \$3 million in reinvestment. It is anticipated that funding for the \$3 million reinvestment program will be funded over a 3-year period, with initial funding from the allocation of the Capital Sinking Fund, approved as part of the *FY 2016 Third Quarter Review*.

ADA Compliance

During their deliberations on the FY 2017 Advertised Budget Plan, the Board of Supervisors approved funding for the Americans with Disabilities Act (ADA) compliance projects as part of the *FY 2016 Third Quarter Review*. Funding in the amount of \$4,370,000 included \$2,370,000 for the continuation of Park Authority ADA improvements and \$2,000,000 for the continuation of ADA improvements at County owned facilities required as part of the Department of Justice audit. No additional funding is included in FY 2017.

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Master Planning and Redevelopment

- ◆ An amount of \$350,000 is included for joint venture development projects. This funding will support negotiations, development agreements, and staff time associated with projects that are not yet funded, as well as design support, financial consultation, and real estate development for the evaluation of project proposals. These projects are highly complex and require a significant amount of concept planning prior to the project's approval for financing.
- ◆ An amount of \$1,000,000 is included for the facility and space realignment project that will provide a source of funding for reconfigurations that would maximize owned space, potentially eliminate leased space and facilitate hoteling of office spaces.
- ◆ Funding of \$300,000 is included to support the Developer Default program, including \$200,000 in General Fund monies and \$100,000 in anticipated developer default revenue. This project is necessitated by economic conditions surrounding the construction industry that result in some developers not completing required public facilities, including acceptance of roads by the state, walkways and storm drainage improvements.

FY 2017 PAYDOWN PROJECTS

Project	FY 2017 Adopted
County Infrastructure Replacement and Upgrades	
GF-000012 Emergency Generator Replacement	\$1,408,449
Subtotal	\$1,408,449
 Parks Infrastructure Replacement and Upgrades	
2G51-005-000 Parks – Facility Infrastructure Replacement and Upgrades	\$425,000
2G51-006-000 Parks – Minor Capital Improvements	524,000
Subtotal	\$949,000
 Athletic Field Capital Improvements	
PR-000082 Athletic Fields – FCPS Lighting	\$250,000
PR-000097 Athletic Services Fee – Turf Field Replacement	1,450,000
Subtotal	\$1,700,000
 Trails and Roads Repairs	
2G25-021-000 Reinvestment, Repair, and Upgrades to County Roads	500,000
2G25-057-000 Emergency Repair of Existing Trails	400,000
Subtotal	\$900,000
 Master Planning and Redevelopment	
2G25-020-000 Developer Defaults	\$200,000
2G25-085-000 Joint Venture Development	\$350,000
IT-000023 Facility Space Realignments	1,000,000
Subtotal	\$1,550,000
 TOTAL PAYDOWN PROGRAM	 \$6,507,449

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Capital General Obligation Bond Program

The Board of Supervisors annually reviews cash requirements for capital projects financed by General Obligation bonds to determine the ongoing schedule for construction of currently funded projects as well as those capital projects in the early planning stages. The bond capital program is reviewed annually by the Board of Supervisors in association with the Capital Improvement Program (CIP) and revisions are made to cashflow estimates and appropriation levels as needed. The CIP is designed to balance the need for public facilities as expressed by the countywide land use plan with the fiscal capability of the County to meet those needs. The CIP serves as a general planning guide for the construction of general purpose, school, and public facilities in the County. The County's ability to support the CIP is entirely dependent upon and linked to the operating budget. The size of the bond program in particular is linked to the approved General Fund disbursement level.

The Virginia Constitution requires that long-term debt pledged by the full faith and credit of the County can only be approved by voter referendum. There is no statutory limit on the amount of debt the voters can approve. It is the County's own policy to manage debt within the guidelines identified in the *Ten Principles of Sound Financial Management*. The *Ten Principles* specifically indicate that debt service expenditures as a percentage of General Fund disbursements should remain under 10 percent and that the percentage of debt to estimated market value of assessed property should remain under 3 percent. The County continues to maintain these debt ratios with debt service requirements as a percentage of General Fund disbursements at 8.42 percent, and net debt as a percentage of market value at 1.23 percent as of June 30, 2015.

Continual monitoring and adjustments to the County's CIP have been necessary, as economic conditions have changed. The FY 2017 – FY 2021 Adopted Capital Improvement Program (With Future Fiscal Years to 2026) was approved on April 19, 2016. In FY 2017, an amount of \$188,000,000 is included in General Obligation Bond funding. Specific funding levels in FY 2017 include:

- ◆ Funding in the amount of \$155,000,000 is included for various school construction projects financed by General Obligation Bonds. For details, see the Fairfax County Public School's FY 2017 Approved Budget.
- ◆ Funding in the amount of \$30,000,000 is included to support the 117-mile Metrorail system as well as to maintain and/or acquire facilities, equipment, railcars and buses.
- ◆ Funding of \$3,000,000 is included for the County's annual contribution to the Northern Virginia Regional Park Authority (NVRPA) Capital program. The NVRPA Park system includes 30 parks and over 12,000 acres of land, over 100 miles of trails, numerous historic sites, five waterparks, two family campgrounds, three golf courses, a nature center, botanical gardens, rental cabins and cottages, five marinas, and over 40 miles of protected shoreline along major rivers and reservoirs. In Fairfax County, NVRPA owns over 8,500 acres – most of which protect environmentally sensitive watersheds along the Potomac, Bull Run and Occoquan Rivers. The NVRPA's capital improvement and land acquisition costs are shared by its six member jurisdictions: the counties of Fairfax, Loudoun and Arlington, and the cities of Fairfax, Alexandria and Falls Church. The primary focus of NVRPA's capital program is to continue the restoration, renovation and modernization of existing park facilities, many of which were developed or constructed more than 20 years ago. Other elements of the capital program include land acquisition, the development of interpretive and educational displays and the addition of park features to meet the needs of the public. FY 2016 represented the last year of a four year program supported by a Park Bond Referendum approved by voters in the fall of 2012. This referendum included \$12 million to sustain the County's contribution to the NVRPA capital budget for fiscal years

Capital Projects Overview

2013 through 2016. The next bond referendum is scheduled in fall 2016 and is proposed at \$12.3 million to sustain the County's capital contribution to the NVRPA for an additional four years. FY 2017 funding is included, pending the approval of the fall 2016 bond referendum.

Stormwater Management Program

The Stormwater Management Program is essential to protect public safety, preserve property values and support environmental mandates such as those aimed at protecting the Chesapeake Bay and the water quality of other local jurisdictional waterways. Projects in this fund include repairs to stormwater infrastructure, measures to improve water quality such as stream stabilization, rehabilitation, safety upgrades of state regulated dams, repair and replacement of underground pipe systems, surface channels, structural flood proofing and best management practices (BMP), site retrofits and other improvements. This funding also supports the implementation of watershed master plans, public outreach efforts, and stormwater monitoring activities as well as operational maintenance programs related to the existing storm drainage infrastructure as it pertains to stormwater conveyance and stormwater quality improvements.

As part of the FY 2010 Adopted Budget Plan, a special service district was created to support the Stormwater Management Program and provide a dedicated funding source for both operating and capital project requirements, as authorized by Code of Virginia Ann. Sections 15.2-2400. In FY 2017, the stormwater service rate will increase from \$0.0250 to \$0.0275 per \$100 of assessed real estate value. In FY 2015, staff developed a five-year rate plan and a phased approach for funding and staffing to support the anticipated regulatory increases. The 5-year spending plan includes approximately \$225 million in required projects and operational support; therefore, the plan includes an annual increase in the rate of ¼ penny each year. This increase will support a number of goals. First, it will provide for constructing and operating stormwater management facilities, including stream restorations, new and retrofitted ponds, and installation of Low Impact Development (LID) techniques, required to comply with the federally mandated Chesapeake Bay Program. This program requires the County to reduce Phosphorus, Nitrogen, and sediment loads to the Potomac River and Chesapeake Bay. MS4 Permit holders must achieve 5 percent of the required reductions in the first five years; 35 percent of the required reductions in the second five years; and 60 percent of the required reductions in the third five years. The Capital Improvement Program includes a gradual increase that will help meet these requirements. Second, the increase will aid in the planning, construction, and operation of stormwater management facilities required to comply with state established local stream standards by reducing bacteria, sediments, and Polychlorinated Biphenyl (PCB) entering local streams. It is estimated that between 70 and 80 percent of the streams in the County are currently impaired. Third, the increase will support the federally mandated inspecting, mapping, monitoring, maintaining, and retrofitting of existing stormwater facilities. The County currently owns and maintains over 1,800 stormwater management facilities that are valued at \$500 million. Fourth, the increase will aid in collecting stormwater data and reporting the findings; providing community outreach and education, supporting new training programs for employees; and developing new Total Maximum Daily Loads (TMDL) Action Plans for impaired streams related to the MS4 Permit requirements. Fifth, the increase will improve dam safety by supporting annual inspections of 20 state-regulated dams in the County and by developing Emergency Action Plans required by the state. The Emergency Action Plans are updated annually and a new plan will be prepared for each dam every six years. In addition, these plans include annual emergency drills and exercises, and flood monitoring for each dam. Finally, the increase will facilitate the maintaining, rehabilitating, and reinvesting in the County's conveyance system. The County's conveyance system includes over 60,000 structures and 1,400 miles of pipes and paved channels, and it is valued at more than \$1 billion. The FY 2017 rate of \$0.0275 per \$100 of assessed real estate value is consistent with the 5-year plan.

Capital Projects Overview

The FY 2017 levy of \$0.0275 will generate \$64,075,000, supporting \$20,438,388 for staff and operational costs; \$42,511,612 for capital project implementation including, infrastructure reinvestment, regulatory requirements, dam safety, and contributory funding requirements; and \$1,125,000 transferred to the General Fund to partially offset central support services such as Human Resources, Purchasing, Budget and other administrative services supported by the General Fund which benefit this fund.

In FY 2017, an amount of \$42,511,612 is included for Stormwater Services capital projects. Specific funding levels in FY 2017 include:

- ◆ Funding in the amount \$6,500,000 is included for the Stormwater Regulatory Program. The County is required by federal law to operate under the conditions of a state issued Municipal Separate Storm Sewer System (MS4) Permit. The MS4 Permit allows the County to discharge stormwater from its stormwater systems into state and federal waters. The County currently owns and/or operates approximately 7,000 piped outfalls within the stormwater system that are governed by the permit. The current permit was issued in 2002 and expired in 2007, and the County had been operating under a state issued administrative extension, while the state and the Environmental Protection Agency (EPA) agreed to new permit requirements. A new permit was issued to the County in April 2015. The permit requires the County to better document the stormwater management facility inventory, enhance public outreach and education efforts, increase water quality monitoring efforts, provide stormwater management and stormwater control training to all County employees, and thoroughly document all of these enhanced efforts. The permit also requires the County to implement sufficient stormwater projects that will reduce the nutrients and sediment delivered to the Chesapeake Bay in compliance with the Chesapeake Bay TMDL implementation plan adopted by the State.
- ◆ Funding in the amount of \$7,000,000 is included for Dam Safety and Facility Rehabilitation. There are currently more than 6,000 stormwater management facilities in service that range in size from small rain gardens to large state regulated flood control dams. The County is responsible for inspecting both County owned and privately owned facilities and for maintaining County owned facilities. This inventory increases yearly and is projected to continually increase as new developments and redevelopment sites are required to install stormwater management controls. In addition, the County is required to provide a facility retrofit program to improve stormwater management controls on existing stormwater management facilities that were developed and constructed prior to current standards being in place. This program maintains the control structures and dams that control and treat the water flowing through County owned facilities. This initiative also includes the removal of sediment that occurs in both wet and dry stormwater management facilities to ensure that adequate capacity is maintained to treat the stormwater. The program results in approximately 25 retrofit projects annually that require redesign and construction management activities as well as contract management and maintenance responsibilities.
- ◆ Funding in the amount of \$6,500,000 is included for Conveyance System Rehabilitation. The County owns and operates approximately 1,400 miles of underground stormwater pipes and paved channels with an estimated replacement value of over one billion dollars. The County began performing internal inspections of the pipes in FY 2006. The initial results showed that more than 5 percent of the pipes were in complete failure and an additional 15 percent of them required immediate repair. Increased MS4 Permit regulations apply to these 1,400 miles of existing conveyance systems and 60,000 stormwater structures. Acceptable industry standards indicate that one dollar re-invested in infrastructure saves seven dollars in the asset's life and \$70 dollars if asset failure occurs. The goal of this program is to inspect pipes on a 10-year cycle and rehabilitate pipes and paved channels before total failure occurs.

Capital Projects Overview

- ◆ Funding in the amount of \$20,106,312 is included for Stream and Water Quality Improvements. This program funds water quality projects necessary to mitigate the impacts to local streams and the Chesapeake Bay resulting from urban stormwater runoff. This includes water quality projects such as construction of stormwater management ponds, implementation of low impact development techniques on stormwater facilities, stream restorations, and approximately 1,700 water quality projects identified in the completed countywide Watershed Management Plans. In addition, Total Maximum Daily Load (TMDL) requirements for local streams and the Chesapeake Bay are the regulatory process by which pollutants entering impaired water bodies are reduced. The Chesapeake Bay TMDL was established by the EPA and requires that MS4 communities as well as other dischargers implement measures to significantly reduce the nitrogen, phosphorous and sediment loads entering waters draining to the Bay by 2025. Compliance with the Bay TMDL requires that the County should undertake construction of new stormwater facilities, retrofit existing facilities and properties, and increase maintenance. Preliminary estimates indicate that the projects needed to bring the County's stormwater system into compliance with the Bay TMDL could cost between \$70 and \$90 million per year. The Bay TMDL pollutant reduction requirement is additive to the current design and construction efforts associated with 1,700 Watershed Plan projects and ongoing stream and flood mitigation projects.
- ◆ Funding in the amount of \$1,000,000 is included for the Emergency and Flood Control Program. This program supports flood control projects for unanticipated flooding events that impact storm systems and flood residential properties. The program provides annual funding for scoping, design, and minor construction activities related to flood mitigation projects.
- ◆ Funding in the amount of \$800,000 is included for the Stormwater Allocations to Towns project. On April 18, 2012, the State Legislature passed SB 227 which entitles the Towns of Herndon and Vienna to all revenues collected within their boundaries by Fairfax County's stormwater service district. An agreement was developed for a coordinated program whereby the Towns remain part of the County's service district and the County returns 25 percent of the revenue collected from properties within each town. This allows for the towns to provide services independently such as maintenance and operation of stormwater pipes, manholes, and catch basins. The remaining 75 percent remains with the County and the County takes on the responsibility for the Towns' Chesapeake Bay TMDL requirements as well as other TMDL and MS4 requirements. This provides for an approach that is based on watersheds rather than on jurisdictional lines.
- ◆ Lastly, FY 2017 funding of \$605,300 is included for County contributions. An amount of \$485,064 is provided for the Northern Virginia Soil and Water Conservation District (NVSWCD). The NVSWCD is an independent subdivision of the Commonwealth of Virginia that provides leadership in the conservation and protection of Fairfax County's soil and water resources. It is governed by a five-member Board of Directors, three of whom are elected every four years by the voters of Fairfax County and two who are appointed by the Virginia Soil and Water Conservation Board. Accordingly, the work of NVSWCD supports many of the environmental efforts set forth in the Board of Supervisors' Environmental Excellence 20-year Vision Plan. The goal of the NVSWCD is to continue to improve the quality of the environment and general welfare of the citizens of Fairfax County by providing them with a means of dealing with soil, water conservation and related natural resource problems. It provides County agencies with comprehensive environmental evaluations for proposed land use changes with particular attention to the properties of soils, erosion potential, drainage and the impact on the surrounding environment. NVSWCD has consistently been able to create partnerships and leverage state, federal and private resources to benefit natural resources protection in Fairfax County. In addition, an amount of \$120,236 is provided for the Occoquan Watershed Monitoring Program

Capital Projects Overview

(OWMP) to ensure that water quality is monitored and protected in the Occoquan Watershed. Given the many diverse uses of the land and water resources in the Occoquan Watershed (agriculture, urban residential development, commercial and industrial activity, water supply, and wastewater disposal), the OWMP plays a critical role as the unbiased interpreter of basin water quality information.

The Penny for Affordable Housing Fund

Fund 30300, The Penny for Affordable Housing Fund, formerly known as the Housing Flexibility Fund, was established in FY 2006 and is designed to serve as a readily available local funding source with the flexibility to preserve and promote the development of affordable housing. For fiscal years 2006 through 2009, the Board of Supervisors (BOS) dedicated revenue commensurate with the value of one cent from the Real Estate tax rate to the Preservation of Affordable Housing, a major County priority. In FY 2010, the Board of Supervisors reduced annual funding to The Penny for Affordable Housing Fund by 50 percent in order to balance the FY 2010 budget. From FY 2006 through FY 2016, the fund has provided a total of \$186.9 million for affordable housing in Fairfax County; a total of \$12.3 million is provided in FY 2017.

Over the past years, a total of 2,757 affordable units have been preserved for both homeownership and rental purposes in a variety of large and small projects. Of that number, 252 units are preserved as affordable housing for periods of five years or less, and 2,505 units are preserved for 20 years or longer. A variety of funding sources were used to preserve these units; however, Fund 30300 funds were critical for the preservation efforts associated with several large multifamily complexes that were purchased by private nonprofits and for-profit organizations, and which represent a significant portion of the units preserved: 130 units at Mt. Vernon House in Alexandria (Mt. Vernon District), 216 units in Madison Ridge in Centreville (Sully District), 148 units in Hollybrooke II and III in the Seven Corners area of Falls Church (Mason District), 90 units in Sunset Park Apartments in Falls Church (Mason District), 319 units in Janna Lee Villages in the Hybla Valley area (Lee District) and 105 units in Coralain Gardens located on Arlington Boulevard (Route 50) in Falls Church (Mason District). Fund 30300 was also instrumental in preserving two large complexes: 180 units at the Crescent apartment complex in Reston (Hunter Mill District) and 672 units at the Wedgewood Apartments complex in Annandale (Braddock District). These projects were purchased by the County and are being managed by the Fairfax County Redevelopment and Housing Authority as part of the low- and moderate-income rental program. Without the availability of Fund 30300, both of these apartment complexes may have been lost as affordable housing.

In FY 2017, Fund 30300 funding of \$12,251,850 is composed of \$11,700,000 in Real Estate Tax Revenue and \$551,850 in Affordable Housing Partnership Program loan repayments. FY 2017 funding is allocated as follows: \$5,754,338 for Wedgewood for the annual debt service, \$3,350,000 for Crescent Apartments for the annual debt service, \$2,855,012 for the Housing Blueprint Project, and \$292,500 for Affordable/Workforce Housing.

Capital Projects Overview

Wastewater Management System

The Fairfax County Wastewater Management Program is operated, maintained, and managed within the Department of Public Works and Environmental Services (DPWES), and includes nearly 3,422 miles of sewer lines, 63 pumping stations, and 57 flow metering stations, covering approximately 234 square miles of the County's 407-square-mile land and water area. Treatment of wastewater generated is provided primarily through six regional wastewater collection and treatment plants. One of the six regional plants is the County owned and operated Noman M. Cole, Jr. Pollution Control Plant (NCPCP), which is currently permitted to treat 67 million gallons per day (MGD) of flow. By agreement, other regional facilities include the Alexandria Renew Enterprises (AREnew) Treatment Plant, the Upper Occoquan Service Authority Plant, the District of Columbia Blue Plains Plant, Loudoun Water and the Arlington County Plant. Fairfax County utilizes all of these facilities to accommodate a total treatment capacity of 157 MGD.



Photo of the Noman M. Cole, Jr. Pollution Control Plant

The Chesapeake Bay water quality program requires reductions in the amount of nutrient pollutants discharged from wastewater treatment facilities. In December 2004, the state notified the County that the renewal of the County's National Pollutant Discharge Elimination System (NPDES) permit includes a requirement that nutrient removal be performed using "State of the Art" technology and meet a waste load allocation (cap) for the Nitrogen and Phosphorous nutrients. A phased approach was used to renovate and upgrade current plant facilities to accommodate these more stringent nutrient discharge requirements. These renovations and upgrades were completed in FY 2015. Other regional plants serving the County are at various stages of upgrade for compliance with the new requirements. Total FY 2017 funding is \$179,643,827, including \$74,650,000 in Fund 69300, Sewer Construction Improvements, and \$104,993,827 in Fund 69310, Sewer Bond Construction. Specific funding levels in FY 2017 include:

- ◆ Funding in the amount of \$12,302,000 is included for facility improvements to the DC Water's Blue Plains Treatment Plant to comply with nutrient discharge limits. Projects supporting the Enhanced Nitrogen Removal Program include providing an additional 40 million gallons of new anoxic reactor capacity for nitrogen removal, a new post aeration facility, pump station, and other new facilities to store and feed methanol and alternative sources of carbon. Construction continues on this project and is scheduled to be completed in 2017. In addition, funding will also provide for the Clean Rivers Project to prevent combined storm and sanitary overflows during major storm events by storing the overflow in tunnels until the plant has capacity to fully treat the water. This project is currently under construction and is scheduled to be completed by the summer of 2017. The County is responsible for 31 mgd of the 370 mgd or 8.38 percent of the capacity at the Blue Plains Treatment Plant.
- ◆ Funding in the amount of \$13,868,000 will fund the County's share of the upgrades to the Alexandria Renew Enterprises Treatment Plant (ARenew). Fairfax County is one of many jurisdictions which participate in the Joint Capital Improvement Program. Funding supports the design and construction

Capital Projects Overview

of a State of the Art Nitrogen Upgrade Program (SANUP) for nitrogen removal. The SANUP will be completed in 6 phases to allow the spread of design and construction costs over an 8-year period. The long range plan was completed in 2008, and 2 of the 6 phases were completed in 2011; the remaining phases will be completed by 2017. FY 2017 funding is included for engineering design, construction management, landscape architecture and engineering services during construction to comply with the nutrient discharge limits. The County is responsible for 32.4 mgd of the 54 mgd or 60 percent of the capacity at the Alexandria Renew Enterprises' Treatment Plant.

- ◆ Funding in the amount of \$3,000,000 is included to satisfy the annual appropriation requirement for the County's Extension and Improvement (E&I) Program as approved by the Board of Supervisors on April 12, 2011. This policy adjusts the Connection Charges such that the future cost of the E&I Program is shared equally between the County's Sewer Fund and the property owners seeking public sewer service, when the Health Department determines the properties' septic systems have failed.
- ◆ Funding in the amount of \$12,033,000 is provided for the systematic rehabilitation of the County's 3,422 miles of sanitary sewer lines. Rehabilitation includes, among other things, the use of trenchless technology to rehabilitate approximately 20 miles of sewer per year.
- ◆ Funding in the amount of \$6,150,000 is included to complete the rehabilitation of the Dead Run, Accotink, Little Hunting Creek and Difficult Run force mains. In addition, there are nine other force mains scheduled to begin rehabilitation in FY 2017, including: Barcroft I, Barcroft II, Langley School, Mt. Vernon Terrance, Wellington I, Ravenwood, Springfield, Wayne Wood I, and Wayne Wood II.
- ◆ Funding in the amount of \$11,353,000 is included for the continuation of systematic rehabilitation of structures and equipment at the Noman M. Cole, Jr. Pollution Control Plant (NMCPCP). FY 2017 funding will provide for the rehabilitation and replacement of pumps, gates, and valves; stormwater runoff improvements, and continuation of the rehabilitation of the motor control centers/distribution centers (MCC/DC) and raw wastewater pump station facility.
- ◆ Funding in the amount of \$8,268,000 is included for the regularly scheduled repair, renovation, and replacement of pumping station equipment and facilities. There will be four pump stations in the design phase and eight pump stations in the construction phase in FY 2017.
- ◆ Funding in the amount of \$100,000 is included for the planned replacement of sewer meters throughout the County. FY 2017 funding is provided for the continuation of replacing sewer meters used for measuring wastewater flow to and from other jurisdictions for billing and monitoring purposes as well as portable meters used in infiltration and inflow studies to measure wet weather flows.
- ◆ Funding in the amount of \$576,000 is included for plant upgrades at the Arlington Wastewater Treatment Plant. This funding will support annual repair and rehabilitation work for various facilities as scheduled in Arlington County's Capital Improvement Program. The County is responsible for 3.0 of the 40 mgd or 7.5 percent of capacity at the Arlington Wastewater Treatment Plant.
- ◆ Funding in the amount of \$1,000,000 is included for the condition assessment of 166 segments of 8 to 15 inch gravity sewer lines and provides recommendations for the rehabilitation and/or replacement alternatives. FY 2017 funding will provide for the next phase of this program, which includes construction work.

Capital Projects Overview

- ◆ Funding in the amount of \$6,000,000 is included for the condition assessment of 49 miles of sewer lines with a diameter of 15 inches or larger and provides recommendations for the rehabilitation and/or replacement alternatives. FY 2017 funding will provide for the next phase of this program which includes construction work.
- ◆ Funding in the amount of \$104,993,827 from a planned FY 2017 Sewer Revenue Bonds sale is included to support the upgrade and improvement projects at the Noman M. Cole, Jr. Pollution Control Plant. Based on the current schedule of identified and active projects, these bond proceeds will support the capital projects through FY 2019. This funding supports the reinvestment in the Noman M. Cole, Jr. Pollution Control Plant in order to maintain regulatory compliance requirements as they pertain to the Clean Water Act, Chesapeake Bay Preservation Program and Title V of the Clean Air Act as enforced by the Virginia Department of Environmental Quality. The renovation program follows the plant's Master Plan to evaluate and prioritize projects.

County and Regional Transportation Projects Fund

Fund 40010, County and Regional Transportation Projects supports the County's implementation of new transportation projects and is funded by the commercial and industrial real estate tax for transportation and Northern Virginia Transportation Authority (NVTA) local tax revenues. The taxing authority for commercial and industrial real property was authorized under the Transportation Funding and Reform Act of 2007 (HB 3202), approved by the Virginia General Assembly on April 4, 2007, and implemented by the Board of Supervisors as part of the FY 2009 Adopted Budget Plan. This revenue helps accelerate the County's implementation of roadway, transit and pedestrian projects.

HB 3202 allows localities to assess a tax on the value of commercial and industrial real estate and to use the proceeds on new transportation improvements. The County's FY 2017 rate is \$0.125 per \$100 of assessed value (the maximum allowed per state code), which will generate approximately \$52.8 million in revenue. This estimate is based on current projections in the commercial real estate market.

On April 3, 2013, the Virginia General Assembly approved HB 2313, a transportation funding package. The bill included regional components for planning districts that meet certain thresholds (population, registered vehicles, and transit ridership). Northern Virginia meets these criteria for the imposition of certain taxes, and HB 2313 is expected to generate over \$300 million per year for transportation projects in the region. The bill mandates that 70 percent of this regional funding be allocated by the NVTA, with the remaining 30 percent provided to the individual localities embraced within NVTA for their determination. Fairfax County's local share of HB 2313 funds is projected to be \$37.7 million in FY 2016 and \$42.7 million in FY 2017. By adopting the commercial and industrial property tax rate of \$0.125, the County qualifies to receive these 30 percent revenues.

FY 2017 disbursements include \$7.7 million for operating and staff support for project implementation; \$56.2 million for capital projects (including \$3.0 million for EDA transportation bonds debt service); and a \$31.6 million transfer to Fund 40000, County Transit Systems, for the FAIRFAX CONNECTOR for bus service.

Capital Projects Overview

Other Financing

Funding in the amount of \$31,765,234 includes \$1,575,000 that is associated with projects discussed above including \$100,000 in developer default revenues and \$1,475,000 in athletic services fees. The remaining \$30,190,234 supports various other projects financed by other sources of revenue. Specific funding levels in FY 2017 include:

Housing:

- ◆ Funding of \$130,729 is included for the Undesignated Housing Trust Fund project for reallocation to specific projects when identified and approved by both the Fairfax County Redevelopment and Housing Authority (FCRHA) and Board of Supervisors during FY 2017.
- ◆ Funding in the amount of \$353,426 is included for the Land/Unit Acquisition project for reallocation to specific projects when identified and approved by both the Fairfax County Redevelopment and Housing Authority (FCRHA) and Board of Supervisors during FY 2017.

Other:

- ◆ Funding in the amount of \$471,300 is included for the replacement of the Reston Community Center theatre dressing room and make-up station area, installation of LED Light Fixtures in the theatre, upgrade of the Theatre dimmer system, architectural and engineering services for the replacement of the Natatorium Environmental Control System, replacement of the Hunters Woods Theatre and front roof sections, and replacement of the Hunters Woods genie hydraulic lift.
- ◆ Funding in the amount of \$3,179,749 is included for Capital Project requirements at the McLean Community Center. Of this total, \$2,659,749 is required to support various facets of the McLean Community Center renovation project; \$150,000 is included to support HVAC replacement in the McLean Community Center Alden Theatre; \$85,000 is required to replace carpet throughout the facility; \$35,000 to replace flooring in the Rehearsal Hall; and \$250,000 is required for the Alden Theatre rigging system.
- ◆ Funding in the amount of \$4,500,000 is included for Phase II of the Intelligent Transportation Systems (ITS) project for County Transit Systems. The Intelligent Transportation System (ITS) includes computer aided dispatching (CAD) and automatic vehicle locator (AVL) systems, mobile data terminals, automated passenger counters, stop annunciators, and real-time passenger information. Reports and information generated from the ITS system allow for more efficient scheduling, route refinements, and faster schedule development, which will increase FAIRFAX CONNECTOR operational efficiencies and provide real-time service information for riders.
- ◆ Funding in the amount of \$600,000 is included to support the construction of an enclosed Solid Waste facility to handle the Hazardous Waste Materials at the I-95 Complex improving environmental conditions and customer service. The building will be comprised of two components: a base structure to provide push walls for dumping and loading activities as well as sound suppression, and a fabric structure to provide protection from the elements.
- ◆ Funding in the amount of \$20,955,030 is included for various school construction projects financed from a state construction grant, Parent Teachers Association/Parent Teacher Organization receipts, and transfers from Fund S31000, Public School Construction Fund. For more details, see the [Fairfax County Public School's FY 2017 Approved Budget](#).

Capital Projects Overview

Capital Construction and Operating Expenditure Interaction

To maintain a balanced budget, annual revenues are projected and operating and capital construction expenditures are identified to determine the County's overall requirements and funding availability. Funding levels for capital construction projects are based on the merits of a particular project together with the available funding from all financing sources, with primary reliance on General Obligation bonds. The Board of Supervisors annually reviews cash requirements for capital project financing.

The County's capital program has a direct impact on the operating budget, particularly in association with the establishment and opening of new facilities. The Board of Supervisors continues to be cognizant of the effect of the completion of capital projects on the County's operating budget. The cost of operating new or expanded facilities or infrastructure is included in the fiscal year the facility becomes operational. However, in some cases, like the construction of the expanded and renovated Courthouse, the operating impact may be absorbed gradually over several years. For example, costs associated with loose and systems furniture, moving expenses, providing for additional security and staffing, renovating existing courtrooms, implementing new courtroom technology, and setting up an Operations and Maintenance satellite shop with staff dedicated to the courthouse facility are all costs that can be phased in over time, thus spreading the operating impact over a number of years, rather than concentrating costs in the fiscal year the facility opens.

Capital projects can affect future operating budgets either positively or negatively due to an increase or decrease in maintenance costs, or by providing capacity for new programs or services. Such impacts vary widely from project to project and, as such, are evaluated individually. Operating costs resulting from the completion of a capital project differ greatly depending on the type of capital project and construction delays. A new facility, for example, will often require additional staff, an increase in utility costs, and increases in custodial, security and maintenance contracts. Conversely, a capital project that renovates an existing facility may reduce operating expenditures due to a decrease in necessary maintenance costs. For example, funding HVAC and electrical system repair or replacement projects has the potential to reduce operating expenditures by reducing costly maintenance and staff time spent addressing critical system repairs. The same is true for projects such as fire alarms, emergency generators, and carpet replacement, as well as roof repairs. Investing in aging and deteriorating building systems and components can alleviate the need for future expenditures, often resulting in significant cost avoidance. Additionally, if a system failure should occur, there is the potential that a County facility must shut down, suspending services to citizens and disrupting County business. The County's emphasis on capital renewal and preventative maintenance works to ensure these kinds of interruptions are avoided.

The opening of new County facilities results in the widest range of operating costs. For example, equipment and furniture, a book buy, additional staff, and an increase in utility costs may all be necessary to prepare for the opening of a new library or extensive library expansion/renovation. These costs are estimated as the project is developed and included in the appropriate agency budget in the year the facility becomes operational.

Capital Projects Overview

New, Renovated, or Expanded County Facilities in FY 2017

Facility	Fiscal Year Completion	Additional Positions	Estimated Net Operating Costs
FY 2017 New, Renovated, or Expanded Facilities			
Facilities Management Department (FMD) Operational Costs for New Facilities	FY 2017	3/3.0 FTE	\$556,955
Total FY 2017 Costs		3/3.0 FTE	\$556,955

The following facilities are scheduled to open in FY 2017 or later and may require additional staffing and operating costs beginning in FY 2018. Requests for funding will be reviewed as part of the development of the annual budget in the year the facility becomes operational.

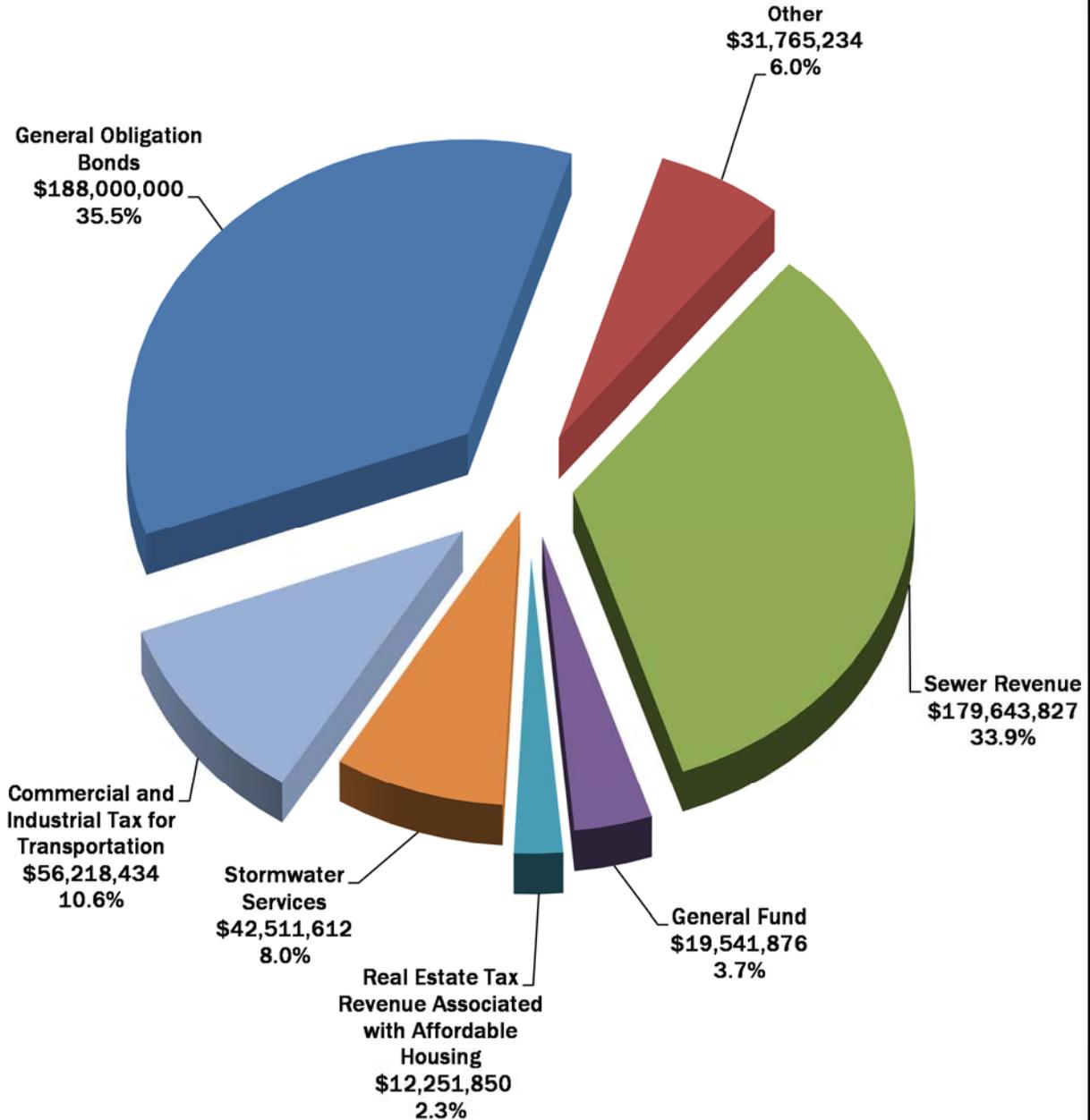
Facility	Fiscal Year Completion
Bailey's Temporary Shelter	FY 2017
Courtroom Renovations	FY 2017
Huntington Bus Operations Facility Expansion	FY 2017
Public Safety Headquarters	FY 2017
Herndon Fire Station	FY 2017
Pohick Library Renovation	FY 2017
Lorton VRE Parking Lot Expansion	FY 2017
Tysons Pimmit Regional Library	FY 2018
John Marshall Community Library	FY 2018
Reston-Herndon Bus Operations Facility Renovations	FY 2018
West Ox Bus Operations Center Phase II	FY 2018
Herndon Station Parking Garage	FY 2019
Innovation Center Station Parking Garage	FY 2019
Huntington Levee	FY 2019
Lewinsville Redevelopment	FY 2019
Lorton Fire Station	FY 2019
McLean Community Center Renovation	FY 2019
Jefferson Fire Station	FY 2020
Reston Regional Library	TBD
East County Human Services Center	TBD
Springfield Multi-Use Transit Hub	TBD

Summary of FY 2017 Capital Construction Program

Major segments of the County's FY 2017 Capital Construction Program are presented in several pie charts that follow to visually demonstrate the funding sources for capital expenditures. Capital construction expenditures by fund are shown in the Summary Schedule of FY 2017 Funded Capital Projects. In addition, a list of all projects funded in FY 2017 and their funding sources has been included in this section. For additional information, see the Capital Project Funds section of the Capital Construction and Other Operating Funds in Volume 2. Detailed information concerning capital projects in Fund S31000, Public School Construction, can be found in the [Fairfax County Public School's FY 2017 Approved Budget](#).

Capital Projects Overview

CAPITAL CONSTRUCTION PROJECTS FY 2017 SOURCE OF FUNDS

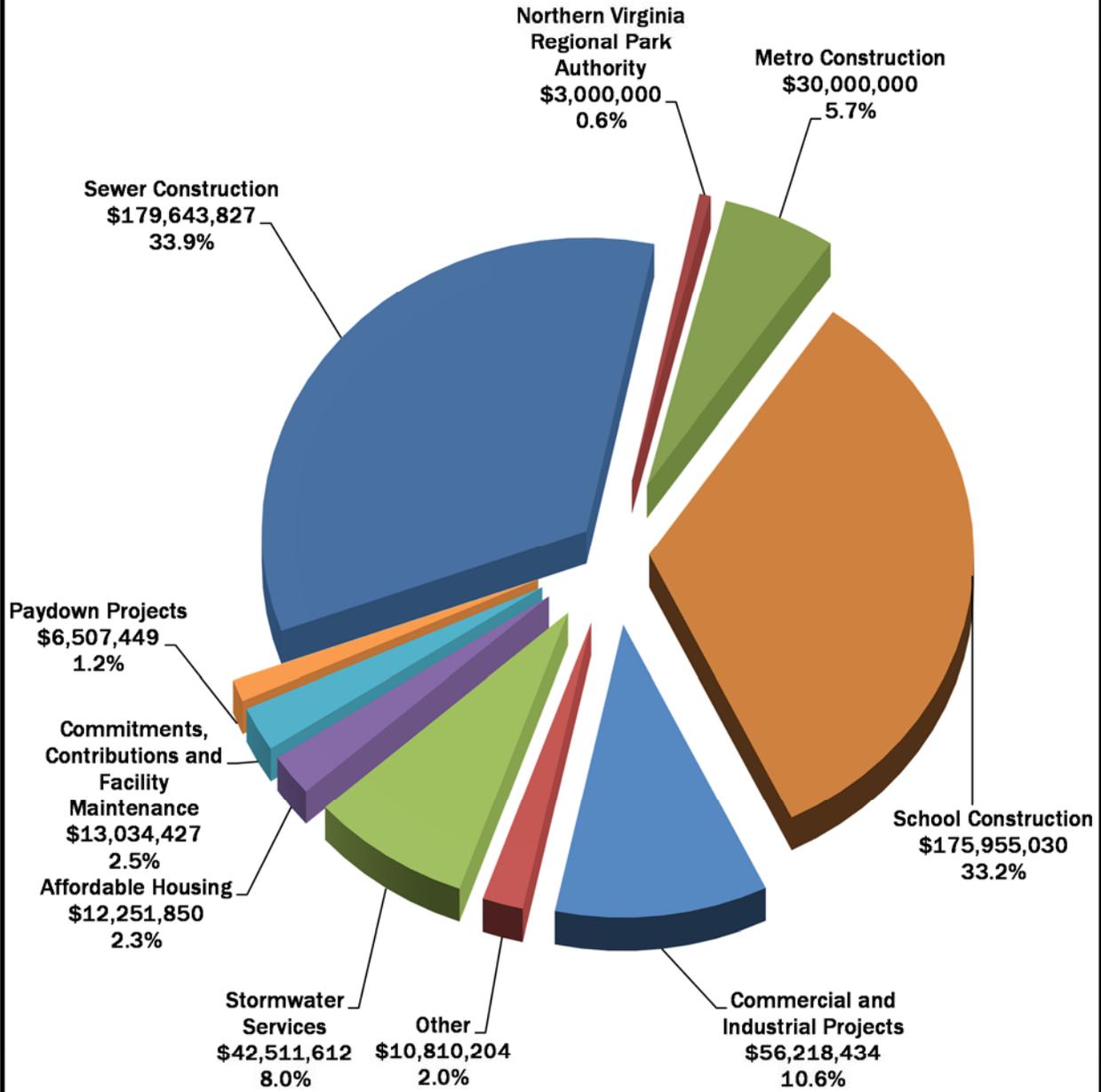


TOTAL = \$529,932,833

NOTE: This chart does not include debt service funding.

Capital Projects Overview

CAPITAL CONSTRUCTION PROJECTS FY 2017 EXPENDITURES

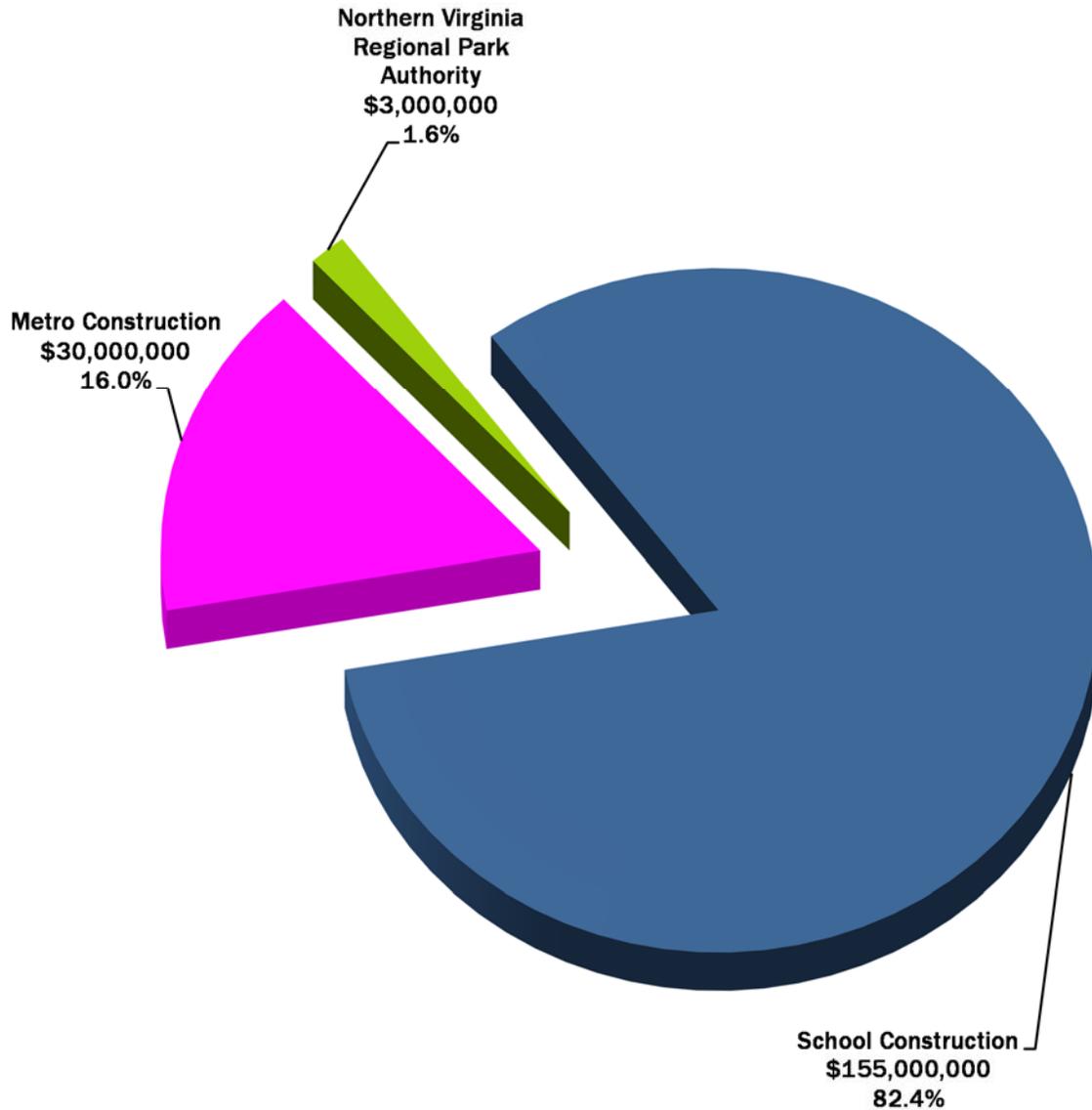


TOTAL = \$529,932,833

NOTE: This chart does not include debt service funding.

Capital Projects Overview

GENERAL OBLIGATION BOND FINANCED CAPITAL PROJECTS FY 2017 EXPENDITURES



TOTAL = \$188,000,000

SUMMARY SCHEDULE OF FY 2017 FUNDED CAPITAL PROJECTS

Fund/Title	EXPENDITURES				FY 2017 FINANCING			
	FY 2015 Actual	FY 2016 Adopted Budget Plan	FY 2016 Revised Budget Plan	FY 2017 Adopted Budget Plan	General Obligation Bonds ¹	General Fund	Federal/ State Aid	Other ²
SPECIAL REVENUE FUNDS³								
40000 County Transit Systems	\$2,525,531	\$0	\$7,197,034	\$4,500,000	\$0	\$0	\$0	\$4,500,000
40010 County and Regional Transportation Projects	44,131,291	64,343,657	318,953,649	56,218,434	0	0	0	56,218,434
40050 Reston Community Center	6,556	647,000	1,143,592	471,300	0	0	0	471,300
40060 McLean Community Center	328,969	1,783,161	2,606,679	3,179,749	0	0	0	3,179,749
40100 Stormwater Services ⁴	31,864,276	35,711,859	89,514,079	42,511,612	0	0	0	42,511,612
40140 Refuse Collection and Recycling	201,012	0	813,312	0	0	0	0	0
40150 Refuse Disposal	256,926	0	3,963,838	0	0	0	0	0
40170 I-95 Refuse Disposal	1,518,499	0	7,731,037	600,000	0	0	0	600,000
40300 Housing Trust Fund	1,578,386	580,391	5,916,924	484,155	0	0	0	484,155
Subtotal	\$82,411,446	\$103,066,068	\$437,840,144	\$107,965,250	\$0	\$0	\$0	\$107,965,250
DEBT SERVICE FUNDS								
20000 Consolidated County and Schools Debt Service Fund	\$311,145,355	\$321,900,342	\$327,588,780	\$320,522,544	\$0	\$313,370,091	\$0	\$7,152,453
Subtotal	\$311,145,355	\$321,900,342	\$327,588,780	\$320,522,544	\$0	\$313,370,091	\$0	\$7,152,453
CAPITAL PROJECTS FUNDS								
30000 Metro Operations and Construction ⁵	\$26,800,001	\$24,100,000	\$17,418,754	\$30,000,000	\$30,000,000	\$0	\$0	\$0
30010 County Construction and Contributions	33,584,387	23,341,768	118,824,283	22,308,427	3,000,000	17,733,427	0	1,575,000
30020 Infrastructure Replacement and Upgrades	7,931,175	2,700,000	29,955,220	1,408,449	0	1,408,449	0	0
30030 Library Construction	4,359,450	0	33,305,382	0	0	0	0	0
30040 Contributed Roadway Improvement Fund	1,165,115	0	44,942,247	0	0	0	0	0
30060 Pedestrian Walkway Improvements	534,079	300,000	4,324,452	400,000	0	400,000	0	0
30070 Public Safety Construction	41,459,600	0	359,364,221	0	0	0	0	0
30080 Commercial Revitalization Program	397,452	0	2,108,022	0	0	0	0	0
30090 Pro Rata Share Drainage Construction	2,499,065	0	3,654,721	0	0	0	0	0
30300 The Penny for Affordable Housing Fund	12,686,145	16,033,900	45,979,463	12,251,850	0	0	0	12,251,850
30310 Housing Assistance Program	111,008	0	6,587,519	0	0	0	0	0
30400 Park Authority Bond Construction	23,466,814	0	58,864,461	0	0	0	0	0
S31000 Public School Construction	222,027,057	163,052,786	546,786,302	175,955,030	155,000,000	0	0	20,955,030
Subtotal	\$377,021,348	\$229,528,454	\$1,272,115,047	\$242,323,756	\$188,000,000	\$19,541,876	\$0	\$34,781,880
ENTERPRISE FUNDS								
69300 Sewer Construction Improvements	\$72,260,479	\$86,389,000	\$134,052,309	\$74,650,000	\$0	\$0	\$0	\$74,650,000
69310 Sewer Bond Construction	18,392,133	13,000,000	27,648,702	104,993,827	0	0	0	104,993,827
Subtotal	\$90,652,612	\$99,389,000	\$161,701,011	\$179,643,827	\$0	\$0	\$0	\$179,643,827
TOTAL	\$861,230,761	\$753,883,864	\$2,199,244,982	\$850,455,377	\$188,000,000	\$332,911,967	\$0	\$329,543,410

¹ The sale of bonds is presented here for planning purposes. Actual bond sales are based on cash needs in accordance with Board policy.

² Other financing includes developer contributions and payments, sewer system revenues, transfers from other funds, pro rata deposits, special revenue funds, and fund balances.

³ Reflects the capital construction portion of total expenditures.

⁴ As part of the FY 2010 Adopted Budget Plan, a service district was created to support stormwater management operating and capital requirements, as authorized by Code of Virginia Ann. sections 15.2-2400.

⁵ Reflects capital construction portion of Metro expenses net of State Aid.

FY 2017 FUNDED CAPITAL PROJECTS
(For additional information see referenced Fund narratives)

Fund	Project Name	Project	FY 2017 Adopted Total	General Fund	General Obligation Bonds	Athletic Services Fee	Sewer Revenues	Stormwater Revenues	Penny for Affordable Housing	Commercial and Industrial Revenues	Other Revenues
30000	Metro Operations and Construction Contribution	N/A	\$30,000,000		\$30,000,000						
30010	Athletic Field Maintenance	2G51-002-000	\$2,700,000	\$2,700,000							
30010	Athletic Fields - APRT Amenity Maintenance	2G79-220-000	\$50,000	\$50,000							
30010	Athletic Fields - FCPS Lighting	PR-000082	\$250,000	\$250,000							
30010	Athletic Fields - Park Maintenance at FCPS	2G51-001-000	\$860,338	\$860,338							
30010	Athletic Services Fee - Custodial Support	2G79-219-000	\$275,000			\$275,000					
30010	Athletic Services Fee - Diamond Field Maintenance	2G51-003-000	\$1,000,000	\$750,000		\$250,000					
30010	Athletic Services Fee - Sports Scholarships	2G79-221-000	\$150,000	\$75,000		\$75,000					
30010	Athletic Services Fee - Turf Field Development	PR-000080	\$75,000			\$75,000					
30010	Athletic Services Fee - Turf Field Replacement	PR-000097	\$2,250,000	\$1,450,000		\$800,000					
30010	Developer Defaults	2G25-020-000	\$300,000	\$200,000							\$100,000
30010	EIP - Bike Lane Pilot Project	2G40-121-000	\$50,000	\$50,000							
30010	EIP - Energy Education and Outreach	2G02-021-000	\$75,000	\$75,000							
30010	EIP - Environmental Initiatives	2G02-001-000	\$5,000	\$5,000							
30010	EIP - Invasive Plant Removal	2G51-032-000	\$150,000	\$150,000							
30010	EIP - Park Lighting and Energy Retrofits	2G51-034-000	\$255,000	\$255,000							
30010	Emergency Directive Program	2G25-018-000	\$100,000	\$100,000							
30010	Facility Space Realignment	IT-000023	\$1,000,000	\$1,000,000							
30010	Joint Venture Development	2G25-085-000	\$350,000	\$350,000							
30010	Laurel Hill Development - FMD	2G08-001-000	\$860,000	\$860,000							
30010	Laurel Hill Development - Parks	2G51-008-000	\$400,000	\$400,000							
30010	NOVA Community College Contribution	2G25-013-000	\$2,517,489	\$2,517,489							
30010	NVRPA Contribution	2G06-003-000	\$3,000,000		\$3,000,000						
30010	Parks - Facility/Equipment Maintenance	2G51-007-000	\$484,000	\$484,000							
30010	Parks - General Maintenance	2G51-005-000	\$425,000	\$425,000							
30010	Parks - Ground Maintenance	2G51-006-000	\$1,000,000	\$1,000,000							
30010	Payments Of Interest On Bond Deposits	2G06-002-000	\$50,000	\$50,000							
30010	Reinvestment, Repair, and Emergency Maintenance of County Roads	2G25-021-000	\$500,000	\$500,000							
30010	Revitalization Maintenance - CRP Areas	2G25-014-000	\$750,000	\$750,000							
30010	Revitalization Maintenance - Tysons	2G25-088-000	\$460,000	\$460,000							
30010	Salona Property Payment	2G06-001-000	\$891,600	\$891,600							
30010	School-Aged Child Care Contribution	2G25-012-000	\$1,000,000	\$1,000,000							
30010	Survey Control Network Monumentation	2G25-019-000	\$75,000	\$75,000							
30020	Emergency Generator Replacement	GF-000012	\$1,408,449	\$1,408,449							
30060	Emergency Maintenance of Existing Trails	2G25-057-000	\$400,000	\$400,000							
30300	Affordable/Workforce Housing	2H38-072-000	\$292,500						\$292,500		
30300	Crescent Apartments Debt Service	2H38-075-000	\$3,350,000						\$3,350,000		
30300	Housing Blueprint Project	2H38-180-000	\$2,855,012						\$2,855,012		
30300	Wedgewood Debt Service	2H38-081-000	\$5,754,338						\$5,754,338		

FY 2017 FUNDED CAPITAL PROJECTS
 (For additional information see referenced Fund narratives)

Fund	Project Name	Project	FY 2017 Adopted Total	General Fund	General Obligation Bonds	Athletic Services Fee	Sewer Revenues	Stormwater Revenues	Penny for Affordable Housing	Commercial and Industrial Revenues	Other Revenues
40000	Connector Intelligent Transportation System	3G40-003-000	\$4,500,000								\$4,500,000
40010	Construction Reserve	2G40-001-000	\$24,363,580							\$24,363,580	
40010	Construction Reserve NVTA 30%	2G40-107-000	\$27,195,541							\$27,195,541	
40010	EDA Revenue Bond-Debt Service	2G40-125-000	\$3,000,000							\$3,000,000	
40010	Herndon NVTA 30% Capital	2G40-105-000	\$978,307							\$978,307	
40010	Vienna NVTA 30% Capital	2G40-106-000	\$681,006							\$681,006	
40050	Reston Com. Center-Center Stage Theatre Enhancements	CC-000008	\$172,000								\$172,000
40050	Reston Com. Center-Improvements	CC-000001	\$249,300								\$249,300
40050	Reston Com. Center-Natorium Mechanical System Upgrade	CC-000009	\$50,000								\$50,000
40060	McLean Community Center Improvements	CC-000006	\$520,000								\$520,000
40060	McLean Community Center Renovation	CC-000015	\$2,659,749								\$2,659,749
40100	Conveyance System Rehabilitation	SD-000034	\$6,500,000					\$6,500,000			
40100	Dam Safety and Facility Rehabilitation	SD-000033	\$7,000,000					\$7,000,000			
40100	Emergency and Flood Response Projects	SD-000032	\$1,000,000					\$1,000,000			
40100	NVSWD Contributory	2G25-007-000	\$485,064					\$485,064			
40100	Occoquan Monitoring Contributory	2G25-008-000	\$120,236					\$120,236			
40100	Stormwater Allocation to Towns	2G25-027-000	\$800,000					\$800,000			
40100	Stormwater Regulatory Program	2G25-006-000	\$6,500,000					\$6,500,000			
40100	Stream and Water Quality Improvements	SD-000031	\$20,106,312					\$20,106,312			
40170	I-95 Transfer/Materials Recovery Fac.	SW-000022	\$600,000								\$600,000
40300	Land/Unit Acquisition	2H38-066-000	\$353,426								\$353,426
40300	Undesignated Housing Trust Fund	2H38-060-000	\$130,729								\$130,729
69300	Alexandria WWTP Upgrades and Rehabilitation	WW-000021	\$13,868,000				\$13,868,000				
69300	Arlington WWTP Rehabilitation	WW-000020	\$576,000				\$576,000				
69300	Blue Plains WWTP Upgrades and Rehabilitation	WW-000022	\$12,302,000				\$12,302,000				
69300	Collection System Replacement and Rehabilitation	WW-000007	\$12,033,000				\$12,033,000				
69300	Extension and Improvement Projects	WW-000006	\$3,000,000				\$3,000,000				
69300	Force Main Rehabilitation	WW-000008	\$6,150,000				\$6,150,000				
69300	Integrated Sewer Metering	WW-000005	\$100,000				\$100,000				
69300	Large Diameter Pipe Rehabilitation and Replacement	WW-000026	\$6,000,000				\$6,000,000				
69300	Noman Cole Treatment Plant Renewal	WW-000009	\$11,353,000				\$11,353,000				
69300	Pumping Station Rehabilitation	WW-000001	\$8,268,000				\$8,268,000				
69300	Sewer Sag Program	WW-000024	\$1,000,000				\$1,000,000				
69310	Noman Cole Treatment Plant Renovations	WW-000017	\$75,636,827				\$75,636,827				
69310	Noman Cole Treatment Plant Upgrades	WW-000016	\$29,357,000				\$29,357,000				
S31000	Public School Construction	N/A	\$175,955,030		\$155,000,000						\$20,955,030
	Total		\$529,932,833	\$19,541,876	\$188,000,000	\$1,475,000	\$179,643,827	\$42,511,612	\$12,251,850	\$56,218,434	\$30,290,234