

FY 2012

ADVERTISED BUDGET PLAN



This section includes:

- Summary of Capital Construction Program (Page 108)
- Expenditure and Financing Summary Charts (Page 128)
- Capital Project Details (Page 130)

Capital Projects Overview

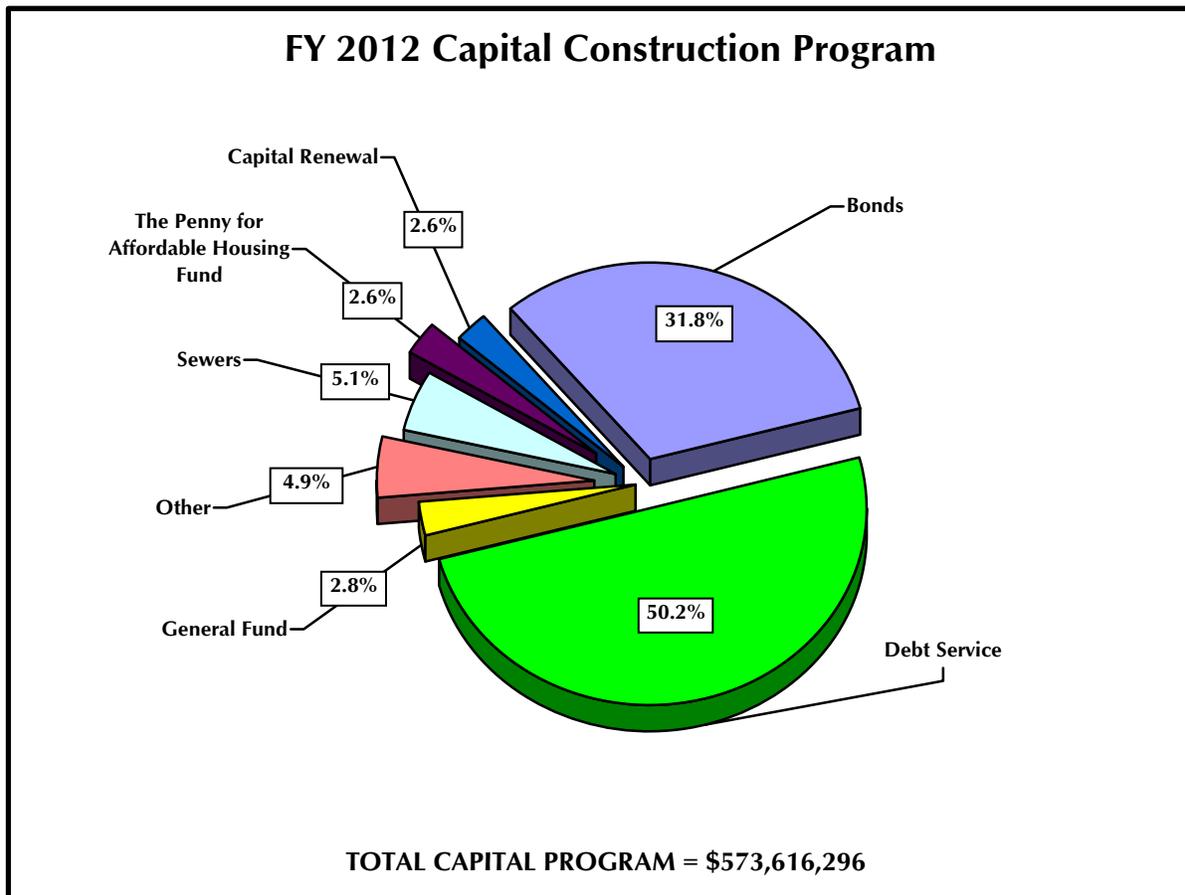
Capital Projects Overview

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: School construction of both new and renovated school facilities, park facilities, primary and secondary roadways, libraries, trails/sidewalks, fire stations, government centers with police substations, stormwater management, athletic field maintenance and the renovation/maintenance of County facilities. In addition, the Capital Construction Program includes the construction of housing units to provide affordable housing opportunities to citizens, neighborhood improvements to older County neighborhoods, and commercial revitalization initiatives for specific commercial centers identified throughout the County.

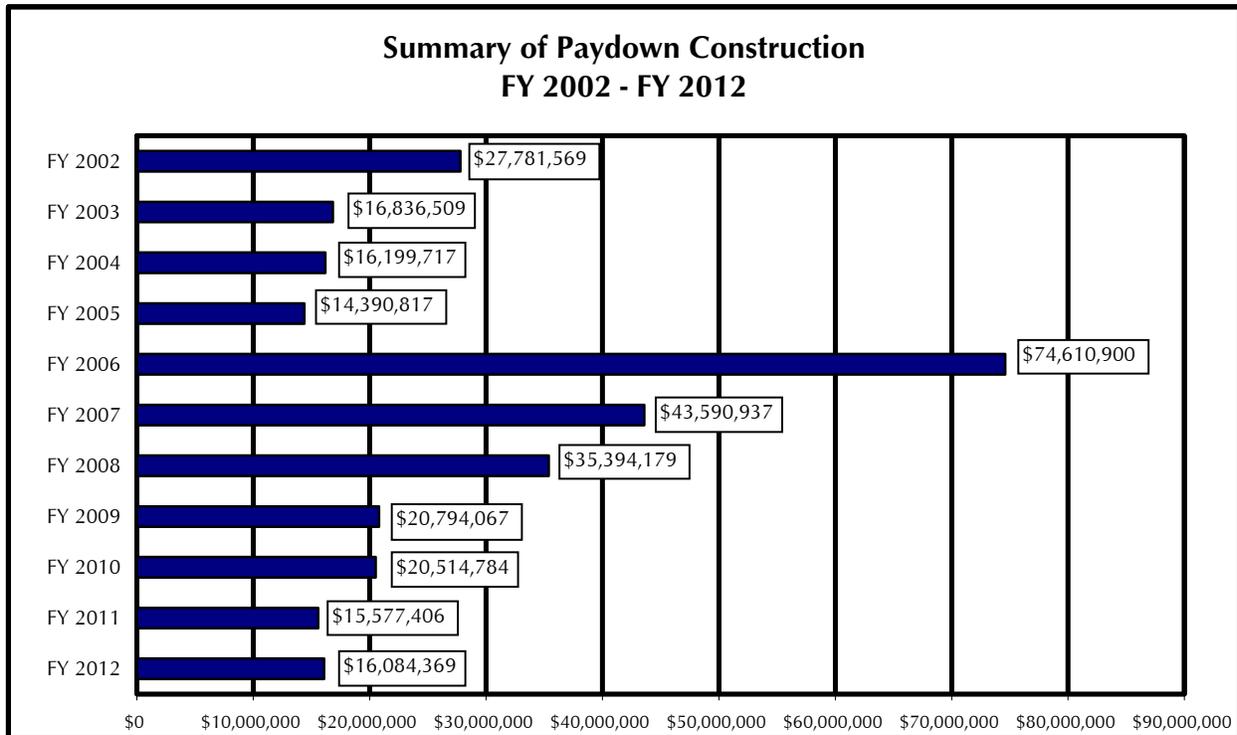
Funding in the amount of \$573,616,296 is included in FY 2012 for the County's Capital Construction Program. Of this amount, \$287,850,034 is included for debt service and \$285,766,262 is included for capital expenditures. The source of funding for capital expenditures includes: \$16,084,369 from the General Fund; \$15,000,000 in Short Term Borrowing for Capital Renewal; \$182,773,000 in General Obligation Bonds; \$29,000,000 in sewer system revenues; \$14,668,400 in Real Estate revenues supporting the Affordable Housing Program; and \$28,240,493 in financing from various other sources. Other sources of financing include, but are not limited to, transfers from other funds, pro rata share deposits, short-term borrowing, user fees, developer contributions and payments.



Capital Projects Overview

Capital Paydown Program

In FY 2012, an amount of \$16,084,369 has been included for the Capital Paydown Program. This level of support reflects a slight increase of \$506,963 over the FY 2011 Adopted Budget Plan level of \$15,577,406. General Fund support for the capital program is reviewed critically on a project by project basis and funding is provided for only the most essential maintenance projects and legally obligated commitments. In recent years the paydown construction program had been constrained based on budget limitations. The FY 2012 Advertised Budget Plan paydown program of \$16 million represents 0.48 percent of General Fund disbursements.



This graph depicts the level of paydown funding between FY 2002 and FY 2012. Paydown funding between FY 2003 and FY 2005 remained at a fairly consistent annual level; however, the program grew substantially in FY 2006. This dramatic increase 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 in FY 2006. The Affordable Housing fund is now funded directly by revenue from the Real Estate tax and the Stormwater Fund is now funded by a special service district. This change allows the paydown program to more accurately reflect General Fund dollars dedicated to the County's capital construction program.

Capital Projects Overview

ADA Compliance

In May and June 2007, the United States Department of Justice (DOJ) conducted an audit of the County government facilities and programs to determine compliance with the Americans with Disabilities Act (ADA) which requires accessibility to facilities and programs for individuals with disabilities. DOJ has been conducting audits of various governments and private facilities across the country for the past decade. The audit of Fairfax County was part of this national audit program, and was not a result of any specific complaints in the County. The DOJ presented the County with the audit results in August 2009. The audit covered 78 buildings in the County and listed approximately 2,100 violations as well as approximately ten program areas which needed improvement in order to comply with the ADA. These violations ranged from updating emergency management procedures, web-based services, and general communication procedures, to improving access to buildings, parking garages, restrooms and elevators. Identified violations have been categorized by color: easy, inexpensive (green); more timely and costly (yellow); and difficult, time consuming, and/or expensive (red). Total funding of \$2,171,700 has been provided in FY 2012 to begin to address both annual requirements and the violations identified by the DOJ.

- ◆ An amount of \$600,000 will provide for annual requirements estimated at \$300,000 for continued retrofits at the Lake Fairfax Park camp office and bath house. The remaining \$300,000 has been included to begin to address Department of Justice (DOJ) audit findings. FY 2012 funding will provide for the mitigation of violations categorized as “green” or “yellow” within Park Authority facilities and programs. Park Authority violations categorized as “red” are estimated to require an additional \$4 million to mitigate. This funding will be required in future years.
- ◆ Funding in the amount of \$1,571,700 will provide for the mitigation of violations categorized as “green” and “yellow” within 33 County-owned facilities. County violations categorized as “red” are estimated to require an additional \$6.8 million to mitigate. This funding will be required in future years.

Athletic Field Maintenance and Sports Projects

FY 2012 funding in the amount of \$5,747,535 has been included for the athletic field maintenance and sports program. This level of funding is supported by a General Fund transfer of \$4,647,535 and revenue generated from the Athletic Services Fee in the amount of \$1,100,000. Of the Athletic Services Fee total, \$250,000 will be dedicated to maintenance of school athletic fields, \$350,000 will be dedicated to the synthetic turf field development, \$150,000 will be dedicated to a new 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 in FY 2012 include:

- ◆ Two projects support maintenance efforts at Fairfax County Public School (FCPS) fields, totaling \$1,722,535. An amount of \$722,535 supports general maintenance including mowing at 505 athletic fields (approximately 176 school sites). This effort is supported entirely by the General Fund and is managed by the Park Authority. An additional amount of \$1,000,000 is also dedicated to maintenance of school athletic fields to supplement general maintenance and directly applies revenue generated by the Athletic Services Fee to the athletic field maintenance program. This program provides twice weekly infield preparation on elementary, middle and high school game fields (110 fields); pre- or post-season infield renovations (200 fields); mowing on high school fields after June 1st (55 fields); and annual maintenance of irrigation systems (65 fields). 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 2012 projection of revenue generated from the Athletic Services Fee and \$1,472,535 is supported by the General Fund.

Capital Projects Overview

- ◆ An amount of \$350,000 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. Synthetic turf fields improve the capacity, safety, playability, and availability of existing athletic fields. Artificial fields offer a cost effective way of increasing capacity on fields at existing parks and schools. 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. In addition, on November 7, 2006, the voters approved a \$25 million Park Bond Referendum of which \$10 million was earmarked to fund the conversion of up to 12 fields from natural turf to synthetic turf. Funding of \$500,000 had been dedicated to this program annually; however, in FY 2012 Athletic Services Fee revenue funding of \$150,000 has been redirected in order to establish a turf field replacement program.

- ◆ An amount of \$500,000 is included to establish a new turf field replacement program. Funding of \$150,000 is supported by the Athletic Services Fee revenue and \$350,000 is supported by the General Fund. There are currently 32 operational turf fields throughout the County. The oldest field was built in September 2003 and is over 8 years old. Generally the useful life of a turf fields is 8 to 10 years, with replacement costs estimated at approximately \$400,000 per field. Turf fields have proven to be much easier to maintain and are superior to grass surfaces in terms of playability and safety. There are over 100,000 youth and adults that participate annually on rectangular fields that benefit from turf fields. If turf fields are not replaced when needed, they would need to be closed due to safety reasons. In FY 2012 the replacement program has been initiated at the \$500,000 level; however, based on the age and number of turf fields, a contribution of approximately \$1.0 million annually would be required to fully fund the replacement program. The FY 2012 level will allow the County to begin to plan for the gradual replacement of turf fields as they reach the end of their useful life, without a significant disruption in service.



- ◆ 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 \$2,500,000 is included for athletic field maintenance efforts, athletic field lighting and irrigation on 287 Park Authority athletic fields of which 99 are lighted and 132 are irrigated. The fields are used by 174,000 users and 200 user groups. This effort is supported entirely by the General Fund and is managed by the Park Authority.
- ◆ An amount of \$200,000 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. Prior to FY 2010, two separate projects existed to fund FCPS athletic field lighting; one for boys' athletic fields and one for girls' softball fields. The Department of Neighborhood and Community Services combined the two field lighting projects to allow for an improved prioritization and implementation process for field lighting projects throughout the County. 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 2012 funding supports replacement and repair projects for existing lighting systems only. This project is supported entirely by the General Fund and coordinated by Department of Neighborhood and Community Services.

Capital Projects Overview

- ◆ 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). Funding for the Girls' Fast Pitch Maintenance project ended in FY 2004. FY 2012 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 \$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. In FY 2010, youth sports scholarship recipients totaled 2,894. Of the total funding, an amount of \$75,000 is included for this program based on the FY 2012 projection of revenue generated from the Athletic Services Fee, and \$75,000 is supported by the General Fund.

Park Maintenance Projects

FY 2012 funding in the amount of \$1,882,076 has been included for Park maintenance of both facilities and grounds. 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 537,000 square feet of buildings. Maintenance is also required on over 580 pieces of grounds equipment.

Specific funding levels in FY 2012 include:

- ◆ An amount of \$425,000 for general park maintenance at non-revenue supported Park facilities. These maintenance requirements include major non-recurring repairs and stabilization of new 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 2012, funding is included to: stabilize and protect the Silo at Turner Farm (\$150,000); replace aged security systems at various sites throughout the County (\$75,000); repair and replace roofs at prioritized picnic shelters, nature centers and maintenance shops (\$100,000); and stabilize and repair the roof at the Grist Mill Barn (\$100,000).
- ◆ An amount of \$987,076 to fund annual requirements for Parks grounds maintenance at non-revenue supported parks. At present, responsibilities include the care for a total park acreage of over 22,000 acres of land, with 417 park site locations, maintenance and repair of tennis courts, basketball courts, trails, picnic areas and picnic shelters, playgrounds, bridges, parking lots and roadways, and stormwater ponds.
- ◆ An amount of \$470,000 to provide corrective and preventive maintenance for over 538,000 square feet at non-revenue supported Park Authority structures and buildings. These repairs include the replacement of broken windows and doors, equipment repairs and the scheduled inspection and 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.

Capital Projects Overview

On-Going Development Efforts

FY 2012 funding in the amount of \$3,284,859 has been included for costs related to on-going development efforts throughout the County. Of this amount, \$200,000 is supported by a transfer from Fund 105, Cable Communications, \$300,000 is supported by developer bonds, and \$2,784,859 is supported by the General Fund. Specific FY 2012 projects include:

- ◆ Funding in the amount of \$750,000 is included to complete construction associated with the renovation of a fourth courtroom in the original portion of the Jennings Judicial Center. Of this amount, \$550,000 is funded by the General Fund and \$200,000 is transferred from Fund 105, Cable Communications to support wiring, cabling and other technology costs associated with courtroom technology. Of the 26 courtrooms in the Jennings Building, renovations are complete on three courtrooms, with a fourth courtroom having completed the design phase only. These courtrooms require improved lighting, ductwork realignment, ADA compliance updates, and technology upgrades to remain operational. Courtroom technology improvements will support integrated and mobile evidence presentation, real time court reporting, wireless access, electronic way finding, video conferencing and video arraignment, improving efficiencies and facilitation of court process and services. Funding to complete the remaining 22 courtrooms will be required in future years.
- ◆ Funding of \$1,559,859 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 in early 2002. The property includes approximately 2,340 acres of land and 1.48 million square feet of building space. Of the amount funded in FY 2012, \$1,262,739 will fund the Facilities Management Department's security, maintenance services, grounds maintenance and support staff. The remaining \$297,120 will fund Park Authority critical maintenance activities and support staff.
- ◆ 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. There are several factors contributing to the recent increase in abatement services such as, development of new abatement requirements, and a significant increase in property foreclosures within the County.
- ◆ An amount of \$100,000 is included to meet emergency and critical maintenance requirements for County trails, sidewalks and pedestrian bridges. On-going critical maintenance includes, but is not limited to, 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.
- ◆ An amount of \$75,000 is included to support the maintenance and establishment of geodetic survey control points for the geographic information system (GIS). This project also supports the development and maintenance of an interactive, GIS-based web site which will provide convenient and cost effective monumentation information to the County's land development customers.
- ◆ Funding of \$600,000 to support the Developer Default program. 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. Land Development Services (LDS) will identify projects for resolution in FY 2012, as well as respond to requests to prepare composite cost estimates to complete existing developer default projects. Total FY 2012 funding is supported by \$300,000 in projected developer default revenue, and \$300,000 in General Fund monies.

Capital Projects Overview

- ◆ Funding of \$100,000 to support the Emergency Road Repairs program and the Road Maintenance program, which were combined in FY 2010. Staff will prioritize funding for projects including emergency safety and road repairs to County-owned service drives and County-owned stub streets which are currently not accepted by the Virginia Department of Transportation (VDOT) into the state highway system for maintenance and other on-going road maintenance work. 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.

Obligations and Payments

FY 2012 funding in the amount of \$3,418,199 has been included for costs related to annual contributions and contractual obligations.

- ◆ Funding of \$1,013,489 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.
- ◆ Funding of \$750,000 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 \$1,554,710 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. Since FY 2006, the County contribution had remained unchanged at \$1.00 per capita; however, in FY 2011 the funding level was raised to \$1.25 per capita and in FY 2012 the level of support is recommended to be \$1.50 per capita. The County contribution has been increased in both FY 2011 and FY 2012 due to the unprecedented 12 percent growth in the NVCC student enrollment and the corresponding capital program requirements. The NVCC currently serves over 72,000 students surpassing all previous expectations of growth and capital planning. It is estimated that the NVCC serves an average of 20 percent of each high school graduating class in addition to increased support for local workers seeking new skills in a tough job market. The NVCC capital plan has recently been adjusted to keep pace with this accelerated enrollment and it is anticipated that capital contributions from the partners will be adjusted gradually to avoid a major commitment from supporting jurisdictions in any given year. It is projected that the per capita support from the NVCC partners could reach \$2.50 per capita in the next six years. The NVCC has indicated that every dollar contributed to the capital program leverages \$29 in state funds back to Northern Virginia. The \$1.50 rate is applied to the population figure provided by the Weldon Cooper Center.
- ◆ Funding of \$100,000 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.

Capital Projects Overview

Revitalization Initiatives

FY 2012 funding in the amount of \$1,095,000 has been included for on-going developer default and road maintenance projects. This funding is supported entirely by the General Fund. Specific funding levels include:

- ◆ An amount of \$190,000 is included for revitalization initiatives within the Office for Community Revitalization and Reinvestment including marketing materials for countywide revitalization activities, consultant services and training. In FY 2012, funding is anticipated to support consultant expenses specifically in the Reston and Tyson's areas.

An amount of \$390,000 is included to continue certain non-routine maintenance in five major commercial revitalization areas (Annandale, Route 1, Springfield, McLean and Baileys Crossroads). This funding provides for: fixing benches and furniture, signs that are broken; fixing broken brick pavers; pruning trees and replacing dead trees; and maintaining appropriate site distances (trimming) on a priority basis. This funding partially supports the maintenance effort and does not fully fund the program. Funding for routine maintenance such as: mulching, fertilizing, broadleaf and weed control, edging, crack weed control, pest control, annual or perennial plantings, leaf removal in the fall, litter collection and removal of trash cans will be prioritized.

- ◆ An amount of \$515,000 will support current program needs, staffing and other activities associated with countywide residential improvement and repair projects within the Department of Housing and Community Development.

Environmental Initiatives

Funding of \$85,000 is included to provide funding for initiatives that directly support the Board of Supervisors' Environmental Agenda. The Environmental Excellence 20-year Vision Plan (Environmental Agenda) includes six topic areas: Growth and Land Use; Air Quality and Transportation; Water Quality; Solid Waste; Parks, Trails and Open Space; and Environmental Stewardship. FY 2012 funding of \$15,000 provides for continued outreach efforts for air quality awareness in order to fulfill the County's commitment to the State Implementation Plan (SIP) for Clean Air Partners. Funding will support continued outreach efforts to educate residents, employees and businesses to take voluntary actions that will improve the air quality in the region, as well as to collaborate with Clean Air Partners in their efforts to raise awareness of air pollution and continue the County's participation as a business sponsor in their media campaign. In addition, funding of \$70,000 provides for 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 44 trained volunteer leaders have committed to four work-days per year at 36 sites. Over 15,000 volunteer hours have been contributed since the Invasive Plant Removal Program's inception in 2005. It should be noted that, an amount of \$87,210 has also been provided in Fund 119, Contributory Fund to continue partnering with three non-profit agencies to support tree planting efforts throughout the County.

Capital Projects Overview

FY 2012 PAYDOWN PROJECTS

Project	FY 2012 Advertised
ADA Compliance	
(009406) ADA Compliance - Countywide	\$1,571,700
(009416) ADA Compliance - Park Authority	600,000
Subtotal	\$2,171,700
Athletic Field Maintenance and Sports Projects	
(005006) Parks Maintenance at FCPS Athletic Fields	\$722,535
(005009) Athletic Field Maintenance (Park Fields)	2,500,000
(005012) Athletic Services Fee-Field Maintenance	750,000
(005016) Athletic Field Lighting Requirements	200,000
(005017) Athletic Services Fee-Turf Field Replacement	350,000
(005020) APRT-Amenity Maintenance	50,000
(005021) Athletic Fields-Sports Scholarships	75,000
Subtotal	\$4,647,535
Park Maintenance Projects	
(009417) Park Authority - General Maintenance	\$425,000
(009442) Park Authority - Grounds Maintenance	987,076
(009443) Park Authority - Facility Maintenance	470,000
Subtotal	\$1,882,076
On-Going Development Efforts	
(009223) Jennings Courtroom Renovations	\$550,000
(009444) Laurel Hill Development	1,559,859
(ED0001) Emergency Directives Program	100,000
(U00005) Survey Control Network Moumentation	75,000
(002200) Emergency Maintenance of Existing Trails	100,000
(U00060) Developer Defaults	300,000
(V00002) Emergency Road Repair	100,000
Subtotal	\$2,784,859
Obligations and Payments	
(007012) School-Age Child Care (SACC)	\$750,000
(008043) Northern Virginia Community College	1,554,710
(009494) Salona Property	1,013,489
(009998) Payments of Interest on Conservation Bonds	100,000
Subtotal	\$3,418,199
Revitalization Initiatives	
(009422) Maintenance-Commercial Revitalization Program	\$390,000
(009800) Revitalization Initiatives	190,000
(014272) Community Improvement Program Costs	515,000
Subtotal	\$1,095,000
Environmental Initiatives	
(009700) Environmental Initiatives	\$85,000
Subtotal	\$85,000
TOTAL PAYDOWN PROGRAM	\$16,084,369

Capital Projects Overview

Short-Term Borrowing Program for County Capital Renewal

Capital renewal supports 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. In FY 2012, the County will have a projected facility inventory of over 8.5 million square feet of space which requires the planned replacement of building subsystems such as roofs, electrical systems, HVAC, plumbing systems, carpet replacement, parking lot resurfacing, fire alarm replacement and emergency generator replacement that have reached the end of their useful life. Without significant reinvestment in building subsystems, older facilities can fall into a state of ever-decreasing condition and functionality, and the maintenance and repair costs necessary to operate the facilities increase.

Each year, the Facilities Management Department (FMD) prioritizes and classifies capital renewal 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.

For several years staff has identified an estimated requirement of \$22 to \$26 million in capital renewal investment annually for the current building inventory. In September 2009, it was estimated that a backlog of approximately \$35 million in capital renewal projects existed. In order to address this backlog and to plan for a more sustainable and reasonable annual funding level, as part of the FY 2011 Adopted Budget Plan, the Board of Supervisors approved a 3-year plan of short-term borrowing. FY 2012 is the second appropriation for capital renewal projects supported by short-term borrowing. In FY 2011, \$5 million was appropriated and in FY 2013 another \$15 million is anticipated for a total of \$35 million. Eliminating this \$35 million backlog will allow for a more preventative and proactive maintenance program, increase the life cycle of County buildings, and enable the renewal program to reach a fairly consistent level of annual funding requirements. Borrowing will be based on actual project completion schedules and cash flow requirements and will be achieved through the establishment of a variable rate line of credit in order to take advantage of very low short-term interest rates. The payback of both principle and interest on the short-term borrowing program will be provided by the General Fund in the County's debt service fund. Short-term borrowing for capital renewal is included in the debt capacity estimates in the Capital Improvement Program (CIP) and can be accommodated within established debt limits for General Fund supported debt.

FY 2012 funding in the amount of \$15,000,000 has been included for County capital renewal projects. Specific funding levels in FY 2012 include:

- ◆ Funding of \$5,570,000 will provide for the planned replacement of HVAC and electrical repairs at prioritized County facilities, based on the severity of problems including overloaded systems, fire hazards, and costly repairs. Projects include: \$4,000,000 to replace antiquated HVAC system components at the Old Courthouse which was built in the 1800's. The last HVAC replacement was in 1990 and the system is now beyond its useful life. It is consistently at risk of failure and is requiring increased maintenance efforts due to age and stress on the system. Replacement components include chillers, air handlers, cooling towers and steam boilers which will all need to be replaced and upgraded to meet current code requirements. The Old Courthouse is currently undergoing other renewal efforts which are supported by \$6.5 million in General Obligation bonds approved as part of the 2006 Public Safety Bond Referendum. This renewal work is focused on the structural envelop of the building, including securing the foundation to alleviate water damage, repairing and upgrading the masonry around the perimeter of the building and renovating existing space in order to house the County's historic archives. The building has been experiencing leaking, moisture accumulation, and mold issues which can compromise the foundation and structural frame. This work is expected to be completed in the next two years and additional repairs such as additional electrical work, replacement of the generator and security systems will be required in future years. Funding of \$900,000 is provided to replace the electrical distribution system and the uninterruptible power source (UPS) that protects backup Emergency-911 equipment, including the Computer Aided Dispatch system, and other computers and data centers at the 51 year old Pine Ridge facility. The Pine Ridge facility houses the critical Emergency-911 back-up center, and several Police Department operations such as the Police Motorized Division, SWAT team and other tactical teams. The UPS system protects mission critical computer systems in the event of a power surge or failure and enables the systems to keep running, avoiding disruptions in service. The UPS system is able to assume

Capital Projects Overview

immediate power during power outages by maintaining operations until backup generators are activated. Funding of \$450,000 is included to replace HVAC system components at the 17 year old New Beginnings facility, and funding of \$35,000 is included to replace the air handling unit which regulates air conditioning at the 18 year old Herndon Library. All of these repairs have been classified as safety risks in need of imminent repairs or critical systems beyond their useful life and in risk of failure. In addition, repairs at these two sites are no longer cost effective. Lastly, funding is provided for replacement batteries to support the UPS systems at two critical facilities. UPS systems are battery operated and in general, the life expectancy of the batteries is 3 to 5 years. Often, frequent system disruptions, power surge events and prolonged battery usage, can result in more frequent battery replacement. FY 2012 includes the planned replacement of batteries at the Jennings Courthouse in the amount of \$60,000 and the McConnell Public Safety and Transportation Operations Center (MPSTOC) in the amount of \$125,000.

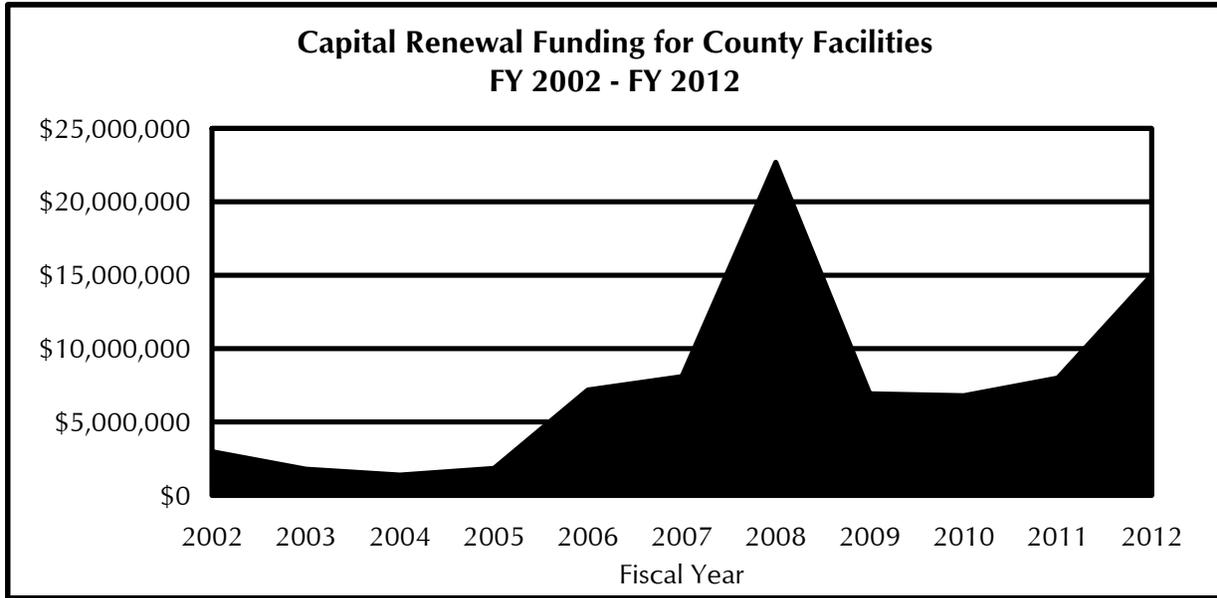
- ◆ Funding of \$1,350,000 will provide for the planned replacement of emergency generators at mission critical County facilities that have outlived their useful life of 25 years. Generators are critical to the mission and operation of County facilities by providing backup power when power outages occur. Generators are maintained at police stations, fire stations and other operationally critical County facilities. Funding of \$1,350,000 includes: \$700,000 for replacement of two generators at the 51 year old Pine Ridge facility, \$500,000 for replacement of the 21 year old system at the Jermantown Garage; and \$150,000 for replacement of the 22 year old Chantilly Fire Station generator. Generators are critical at these facilities due to potential power outages and a disruption in critical operations for staff and the public. In general, these systems last 25 years, but replacement requirements can vary based on wear and tear, frequency of repair requirements, and other signs of imminent failure.
- ◆ Funding in the amount of \$2,375,000 will provide for planned elevator/escalator replacement and upgrades for systems that have outlived their useful life and are experiencing frequent breakdowns. Funding includes \$2,000,000 to address escalator replacement at the 19 year old Jennings Courthouse which is experiencing significant increases in maintenance resulting from a fracture in the escalator track and a large gap between the step and side panel. The escalator is requiring frequent repairs and causing a disruption in service and severe safety concerns for patrons of the Courthouse. In addition \$300,000 is required to support design work for elevator replacement at the 19 year old Pennino and Herrity Buildings; and \$75,000 is required for the Herrity and Pennino Garage elevators which are both used by employees and the public and could create safety concerns for patrons. Both elevator and escalator replacements will satisfy all current code requirements and provide for the safety of users. Construction funding for upgrades and replacement at the Pennino and Herrity campus will be required once design work is complete.
- ◆ Funding in the amount of \$1,185,000 is included for the planned replacement of obsolete and aged fire alarm systems at the following County facilities: Pine Ridge, Clifton Fire Station, Sherwood Library, Mason Government Center, Whitman Annex, Lorton Library, Franconia Government Center and the Old Jail portion of the Historic Courthouse.
- ◆ An amount of \$1,095,000 provides for the planned replacement or repair of facility roofs and waterproofing systems in County buildings. Maintenance and repairs are required to stop rapid deterioration and damage due to water penetration. As roofs age, repairs are no longer cost effective and replacement is required. Roofs at County facilities range in warranty periods from 10 to 20 years. The warranties on all of the roofs slated for replacement in FY 2012 have expired. Funding is included for roof repairs and replacement including: \$250,000 for the 22 year old Gum Springs Community Center, \$150,000 for the 13 year old Woodlawn Fire Station, \$150,000 for the 23 year old George Mason Library, \$150,000 for the 23 year old Baileys Community Center, \$120,000 for the 17 year old Sherwood Library, \$100,000 for the 24 year old McLean Fire Station, \$100,000 for the 51 year old Penn Dawn Fire Station; and \$75,000 for the 11 year old roof at the Alban Garage. In general, roof replacement is required every 20 years; however, leaking and damage caused by water infiltration to facilities can require more immediate attention.

Capital Projects Overview

- ◆ Funding is included for the planned repair and maintenance of facility parking lots and garages throughout the County. Funding of \$660,000 is included for re-paving and repairs to three parking lots. Funding of \$350,000 is required to repave the Jermantown Department of Vehicle Services (DVS) Garage based on rapid deterioration of the asphalt. This DVS garage is a heavy traffic facility supporting large volumes of public safety vehicles, trucks and maintenance vehicles entering and exiting the facility daily. With such a large volume of vehicle traffic, the asphalt is deteriorating more rapidly. In addition, repaving and replacement of parking lots and concrete ramps is required at the Pohick Fire Station in the amount of \$160,000; and the McLean Fire Station in the amount of \$150,000. Parking lots at fire stations tend to deteriorate more rapidly based on the frequent use of heavy apparatus vehicles. In general paving will last 15 years; however, heavy vehicle use, temperature changes, water penetration, chemicals used for snow removal, and fuel leaks from vehicles under repair can cause the asphalt to deteriorate more rapidly.
- ◆ Funding of \$2,765,000 provides for emergency repairs, minor renovations, and critical upgrading at various buildings and facilities throughout the County. Projects include emergency repairs to buildings and building equipment, plumbing repairs, minor renovations to electrical and mechanical systems, structural repairs, vandalism abatement, and other non-recurring construction and repair projects. In FY 2012, funding in the amount of \$1,500,000 is included for critical work at the 60 year old Willston Center including repairs and renovation of restrooms, plumbing fixtures and flooring. The Willston Center building was constructed in the 1950s as an elementary school with much of the original fixtures and systems still in place. The Willston Center is a multi-cultural center offering drop-in recreational programs designed for elementary school children during the spring, summer and winter breaks; an adult education center; a computer learning center; and other community center programs. The restrooms used by both employees and the public currently do not have hot water available and are in extreme need of repairs. This amount also includes the removal of the original floor tiles in the restrooms which have been determined to contain asbestos. Staff and patrons will need to be temporarily relocated while the asbestos mitigation process takes place. FY 2012 funding will provide for a complete restoration of all restrooms in the building to prevent further deterioration, leakage and potential health and safety concerns. In addition, funding in the amount of \$700,000 is included to provide sealant and caulking throughout the entire Government Center parking garage (P1 and P2) as well as install new hood grates which provide for exhaust discharge and protect against water infiltration into the garage. During heavy rain events, flooding occurs in the garage which deteriorates the concrete surfaces and imminent repairs are needed. Funding in the amount of \$350,000 is also included to recaulk all windows and expansion joints at the Adult Detention Center facility. Much of the original caulking has failed and water continues to leak into the building presenting an imminent safety hazard. Lastly, \$215,000 is included to conduct a facility assessment at approximately 40 County facilities to specifically identify future capital renewal needs. The last facility assessment was conducted in 2004 on 92 selected facilities (approximately 4.2 million square feet of space), representative of the oldest facilities at the time. The assessment included a complete visual inspection of roofs and all mechanical and electrical components for each facility. Maintenance and repair deficiencies were identified and funding requirements estimated. These 92 facilities represent approximately 50 percent of the current inventory. Additional facility assessment funding will allow inspectors to evaluate major building systems, identify cost estimates associated with repair and replacement and plan for future renewal requirements. The study will include approximately 40 of the remaining facilities not evaluated in 2004 which are now aging and require a comprehensive review.

The following chart depicts capital renewal funding between FY 2002 and FY 2012, including roof repairs, HVAC replacement, carpet replacement, parking lot and garage repairs, fire alarm system replacements, generator replacement, emergency building repairs, as well as bond funding specifically dedicated for renewal efforts. The increase shown in FY 2006 is primarily attributed to \$5 million in bond funding for capital renewal included for human services and juvenile facilities. Capital renewal funding for County facilities continued to increase in FY 2008 with the passage of the fall 2006 Public Safety Bond Referendum where voters approved \$14 million in bond funding for Public Safety and Court Facility capital renewal projects. The County continues to supplement the General Fund supported capital renewal program by increasing bond referendum amounts associated with specific purposes as appropriate. The FY 2012 funding level represents a significant increase based on the proposed short-term borrowing plan.

Capital Projects Overview



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 8.7 percent, and net debt as a percentage of market value at 1.06 percent as of June 30, 2010.

Continual monitoring and adjustments to the County's CIP have been necessary, as economic conditions have changed. The FY 2012 - 2016 Capital Improvement Program (With Future Years to 2021) is released concurrently with the FY 2012 budget. It should be noted that the operating budget is directly affected by the approval of the capital budget and its capital project components. The operating budget must support the debt service costs of all bond issues related to the capital budget, as well as the operating and maintenance costs for each facility and improvement.

In FY 2012, an amount of \$182,773,000 is included in General Obligation Bond funding. Of this amount, \$155,000,000 is budgeted in Fund 390, Public School Construction, \$24,773,000 is included in Fund 309, Metro Operations and Construction, to support the 106-mile Metrorail System, as well as maintain and/or acquire facilities, equipment, railcars and buses, and \$3,000,000 has been included for the County capital contribution to the Northern Virginia Regional Park Authority (NVRPA).

Capital Projects Overview

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 waterways. Projects include: repairs to stormwater infrastructure, measures to improve water quality, such as stream stabilization, rehabilitation and safety upgrades of dams, repair and replacement of underground pipe systems, surface channels, structural flood proofing and Best Management Practices (BMP) site retrofits. This funding also supports development of watershed master plans, increased public outreach efforts, and stormwater monitoring activities.



As part of the FY 2010 Adopted Budget Plan, a special service district was created to support the Stormwater Management Program, as authorized by Va. Code Ann. Sections 15.2-2400. The service district levy was increased from \$0.010 to \$0.015 per \$100 of assessed real estate value as part of the FY 2011 Adopted Budget Plan. Since FY 2006, the Board of Supervisors had dedicated the value of one penny of the real estate tax, or approximately \$20 million annually to stormwater capital projects. In FY 2009, due to budget constraints, staff and operating costs began to be charged to the stormwater penny fund, resulting in an approximate 50 percent reduction in funding for capital project support. The service district was created in FY 2010 to provide a dedicated funding source for both operating and capital project requirements. In FY 2011 the Board of Supervisors approved an increase in the levy from \$0.010 to \$0.015 based on increased enforcement by the Environmental Protection Agency (EPA) and the state to ensure that stormwater programs advance and do not backslide in implementation and provide funding to begin reinvestment for existing storm drainage systems. The County is currently operating under an extension of the existing MS4 discharge permit that expired in FY 2007. Negotiations between the Commonwealth of Virginia and Fairfax County, as well as negotiations between the state and many surrounding local communities, continue as several issues related to permit compliance are defined and established. The difficult and challenging permit negotiation process has spanned several years as the exact permit requirements are being developed and refined. It is anticipated that Fairfax County will soon be under new and increased regulatory requirements as a result of these permit negotiations. In addition, recent nutrient loading restrictions related to the Chesapeake Bay requirements are anticipated to impact the regulatory and operational programs within the Stormwater program. The FY 2012 levy of \$0.015 will generate \$28.8 million, supporting \$11.8 million for staff and operational costs, and \$17.0 million for capital project implementation and infrastructure reinvestment, regulatory requirements, dam safety, and contributory funding requirements. This dedicated capital funding support will allow the County to implement capital projects in a more efficient manner to meet state and EPA stormwater requirements.

The Penny for Affordable Housing Fund

The Penny for Affordable Housing Fund was established in FY 2006 and is designed to serve as a readily available local source with the flexibility to address emerging local affordable housing needs. For fiscal years 2006 through 2009, the Board of Supervisors 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 The Penny for Affordable Housing Fund by 50 percent to reallocate funding for critical human services and public safety program restorations in order to balance the FY 2010 budget. From FY 2006 through FY 2011, the fund has provided a total of \$104.9 million for affordable housing in Fairfax County. In FY 2012, an amount of \$14,668,400, comprised of \$9,650,000 in Real Estate Tax Revenue and \$5,018,400 in operating revenue from Wedgewood as well as other sources as needed, is allocated for Affordable/Workforce Housing projects.

As of November 2010, a total of 2,423 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

Capital Projects Overview

housing for periods of five years or less, and 2,171 units are preserved for 20 years or longer. A variety of funding sources were used to preserve these units; however, Fund 319 funds were critical for the preservation efforts associated with five large multifamily complexes that were purchased by private nonprofits and which represent a significant portion of the units preserved: 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 319 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 apartment 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 319, both of these apartment complexes may have been lost as affordable housing.

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 3,380 miles of sewer lines, 65 pumping stations, and 54 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 five regional wastewater collection and treatment plants. One of the five regional plants is the County's 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

Alexandria Sanitation Authority Plant, the Upper Occoquan Sewage Authority Plant, the District of Columbia Blue Plains Plant, and the Arlington County Plant. Fairfax County utilizes all of these facilities to accommodate a total treatment capacity of 158 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. In December 2004, the state notified the County that the renewal of County's National Pollutant Discharge Elimination System (NPDES) permit would include a requirement that nutrient removal be performed at the "Limits of Technology." Current technology allows for discharge limits of less than 3.0 milligrams per liter for nitrogen and 0.1 milligrams per liter for phosphorus. The County has a nitrogen discharge requirement of 7.0 milligrams

per liter. A phased approach has been under way to renovate and upgrade current plant facilities to accommodate new more stringent nutrient discharge requirements. Total funding of \$29,000,000 in FY 2012 will provide for the County's share of design and construction costs associated with the required rehabilitation of Noman M. Cole, Jr. Pollution Control plant and annual capital requirements associated with pump station renovations, sewer extension projects and the repair, replacement and renovation of various aging sewer lines.

Other Financing

The remaining funding of \$28,240,493 supports various other projects financed by revenues associated with the McLean and Reston Community Centers, housing trust fund revenues, FCPS Parent Teachers Association contributions, anticipated developer default bond revenue, revenue generated from the Athletic Services Fee, and refuse disposal revenue.

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 renovation. These costs are estimated as the project is developed and included in the appropriate agency budget in the year the facility becomes operational. In the FY 2012 timeframe, a limited number of new facilities will be completed which will not require additional operating funds. The following list represents major new facilities which will open during FY 2012 and beyond.

New, Renovated, or Expanded County Facilities in FY 2012

Facility	Fiscal Year Completion	Additional Positions	Estimated Net Operating Costs
FY 2012 New, Renovated, or Expanded Facilities			
Great Falls Fire Station Expansion	FY 2012	0/0.0 SYE	\$0
Dolley Madison Library Expansion	FY 2012	0/0.0 SYE	\$0
Total FY 2012 Costs		0/0.0 SYE	\$0

Capital Projects Overview

The following facilities are scheduled to open in upcoming years and may require additional staffing and operating costs. Requests for funding will be reviewed as part of the development of the annual budget in the year the facility opens.

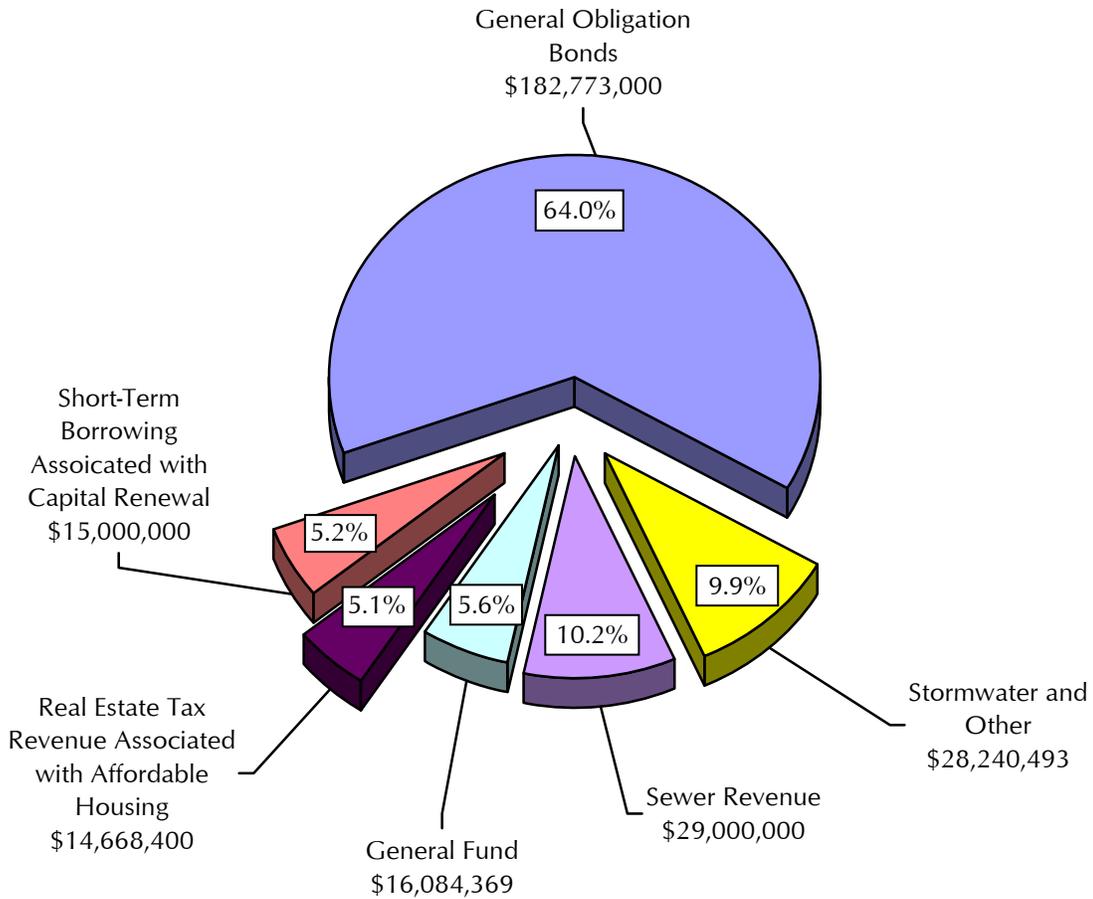
Facility	Fiscal Year Completion
Fair Oaks Police Station Renovation/Expansion	FY 2013
West Ox Animal Shelter Renovation/Expansion	FY 2013
Newington DVS Facility	FY 2013
Wolf Trap Fire Station	FY 2013
Providence Community Center	FY 2013
Wiehle Ave Parking Garage	FY 2014
Fire and Rescue Training Academy Renovation	FY 2014
McLean Police Station Renovation/Expansion	FY 2015
Mid-County Human Services Center (Woodburn)	FY 2015
Reston Police Station Renovation/Expansion	TBD
Herndon Fire Station	TBD
East County Human Services Center	TBD
Public Safety Headquarters	TBD
Baileys Cross Roads Fire Station	TBD
Woodrow Wilson Community Library	TBD

Summary of FY 2012 Capital Construction Program

Major segments of the County's FY 2012 Capital Construction Program are presented in several pie charts that follow to visually demonstrate the FY 2012 funding sources for capital expenditures. Capital construction expenditures by fund are shown in the Summary Schedule of FY 2012 Funded Capital Projects. In addition, details of all projects funded in FY 2012 have 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 390, Public School Construction, can be found in the [FY 2012 Superintendent's Proposed Budget](#).

Capital Projects Overview

CAPITAL CONSTRUCTION PROJECTS FY 2012 SOURCE OF FUNDS

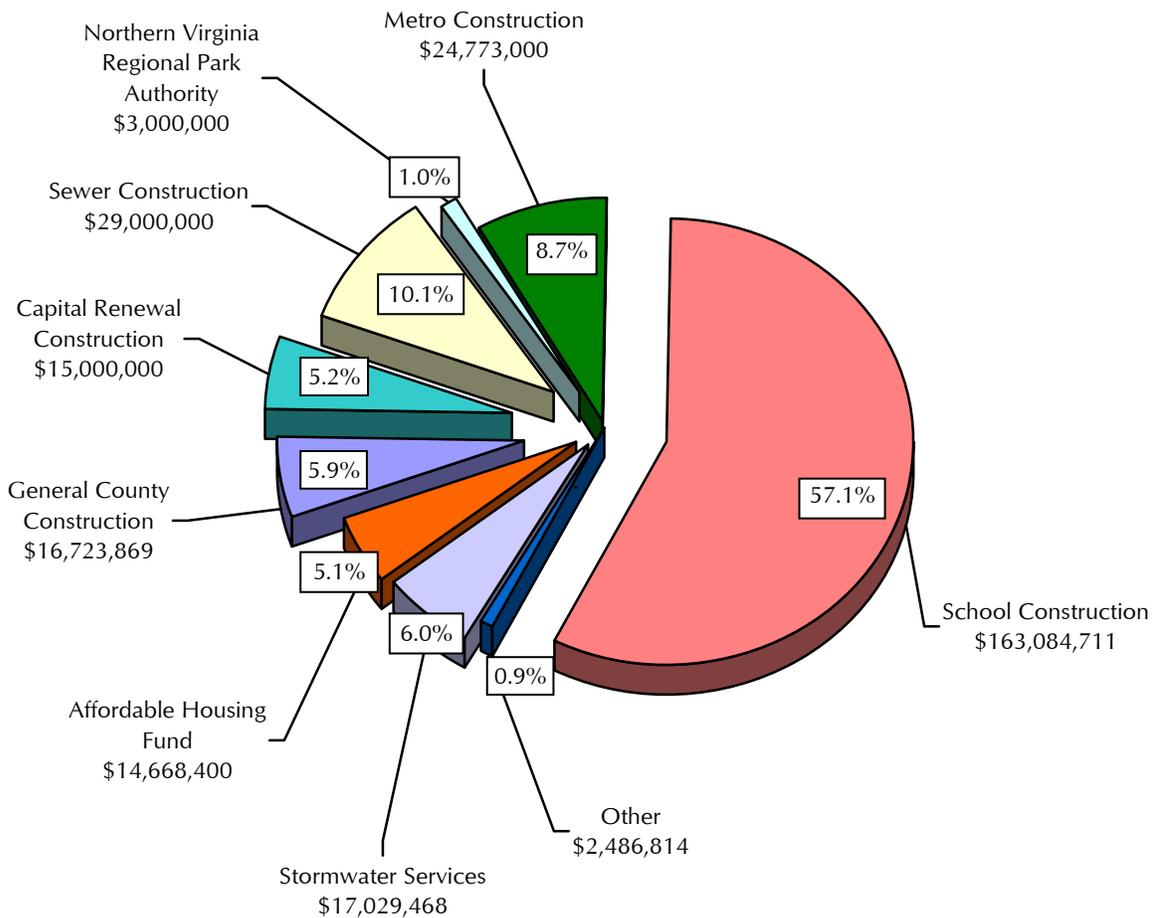


TOTAL = \$285,766,262

NOTE: This chart does not include debt service funding.

Capital Projects Overview

CAPITAL CONSTRUCTION PROJECTS FY 2012 EXPENDITURES

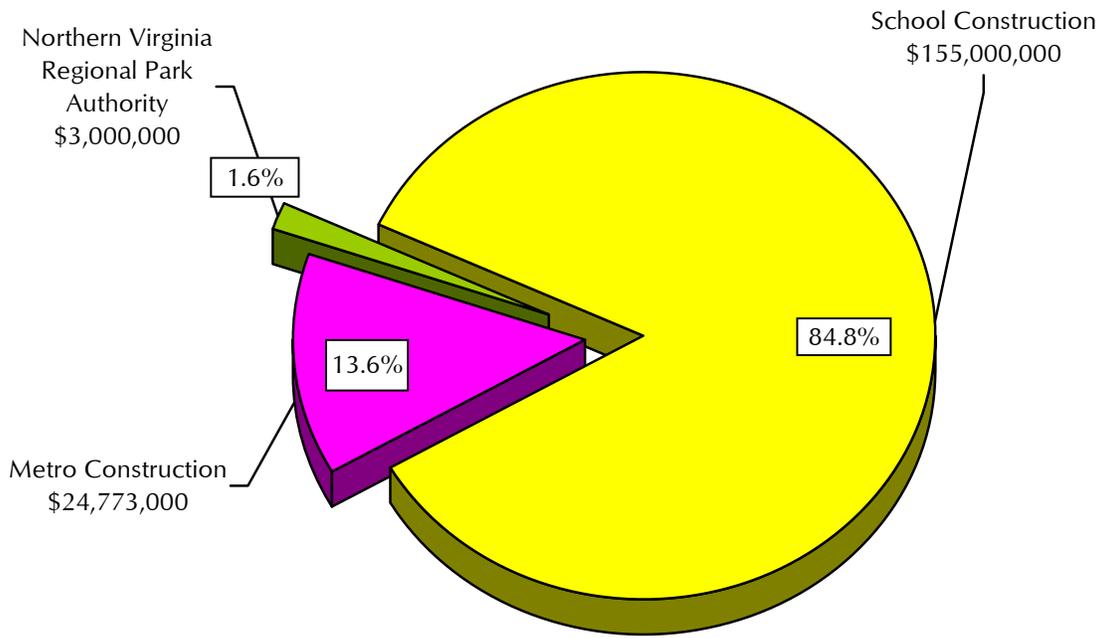


TOTAL = \$285,766,262

NOTE: This chart does not include debt service funding.

Capital Projects Overview

GENERAL OBLIGATION BOND FINANCED CAPITAL PROJECTS FY 2012 EXPENDITURES



TOTAL = \$182,773,000

SUMMARY SCHEDULE OF FY 2012 FUNDED CAPITAL PROJECTS

Fund/Title	EXPENDITURES				FY 2012 FINANCING			
	FY 2010 Actual	FY 2011 Adopted Budget Plan	FY 2011 Revised Budget Plan	FY 2012 Advertised Budget Plan	General Obligation Bonds ¹	General Fund	Federal/ State Aid	Other ²
SPECIAL REVENUE FUNDS³								
109 Refuse Collection	\$47,895	\$100,000	\$782,579	\$100,000	\$0	\$0	\$0	\$100,000
110 Refuse Disposal	351,564	0	4,177,078	0	0	0	0	0
111 Reston Community Center	393,123	750,000	2,578,444	98,000	0	0	0	98,000
113 McLean Community Center	176,738	263,500	789,359	575,000	0	0	0	575,000
114 I-95 Refuse Disposal	54,462	0	13,984,145	0	0	0	0	0
125 Stormwater Services ⁴	1,026,663	16,613,024	20,207,998	17,029,468	0	0	0	17,029,468
144 Housing Trust Fund	2,177,659	840,000	4,385,008	348,814	0	0	0	348,814
Subtotal	\$4,228,104	\$18,566,524	\$46,904,611	\$18,151,282	\$0	\$0	\$0	\$18,151,282
DEBT SERVICE FUNDS								
200/201 Consolidated Debt Service	\$279,344,291	\$287,575,052	\$299,437,880	\$287,850,034	\$0	\$282,844,428	\$0	\$5,005,606
Subtotal	\$279,344,291	\$287,575,052	\$299,437,880	\$287,850,034	\$0	\$282,844,428	\$0	\$5,005,606
CAPITAL PROJECTS FUNDS								
301 Contributed Roadway Improvement Fund	\$2,501,789	\$0	\$41,442,472	\$0	\$0	\$0	\$0	\$0
302 Library Construction	12,245,823	0	18,699,086	0	0	0	0	0
303 County Construction	20,517,003	13,462,406	63,412,892	16,723,869	0	14,919,369	0	1,804,500
306 Northern Virginia Regional Park Authority	2,700,000	2,700,000	2,700,000	3,000,000	3,000,000	0	0	0
307 Pedestrian Walkway Improvements	898,026	0	4,352,620	100,000	0	100,000	0	0
309 Metro Operations and Construction ⁵	19,956,356	22,692,000	16,471,000	24,773,000	24,773,000	0	0	0
311 County Bond Construction	8,980,606	0	71,834,175	0	0	0	0	0
312 Public Safety Construction	17,678,347	0	118,064,588	750,000	0	550,000	0	200,000
314 Neighborhood Improvement Program	0	0	148,485	0	0	0	0	0
315 Commercial Revitalization Program	478,697	0	4,098,234	0	0	0	0	0
316 Pro Rata Share Drainage Construction	4,506,173	0	10,337,006	0	0	0	0	0
317 Capital Renewal Construction	5,205,382	8,000,000	40,519,520	15,000,000	0	0	0	15,000,000
340 Housing Assistance Program	1,074,560	515,000	8,455,286	515,000	0	515,000	0	0
370 Park Authority Bond Construction	19,207,157	0	62,750,052	0	0	0	0	0
390 Public School Construction	109,570,133	165,582,149	575,242,805	163,084,711	155,000,000	0	0	8,084,711
Subtotal	\$225,520,052	\$212,951,555	\$1,038,528,221	\$223,946,580	\$182,773,000	\$16,084,369	\$0	\$25,089,211

SUMMARY SCHEDULE OF FY 2012 FUNDED CAPITAL PROJECTS

Fund/Title	EXPENDITURES				FY 2012 FINANCING			
	FY 2010 Actual	FY 2011 Adopted Budget Plan	FY 2011 Revised Budget Plan	FY 2012 Advertised Budget Plan	General Obligation Bonds ¹	General Fund	Federal/ State Aid	Other ²
Real Estate Tax Revenue								
318 Stormwater Management Program ⁶	\$8,570,099	\$0	\$16,423,397	\$0	\$0	\$0	\$0	\$0
319 The Penny for Affordable Housing Fund	18,186,529	13,458,400	19,864,899	14,668,400	0	0	0	14,668,400
Subtotal	\$26,756,628	\$13,458,400	\$36,288,296	\$14,668,400	\$0	\$0	\$0	\$14,668,400
ENTERPRISE FUNDS								
402 Sewer Bond Extension and Improvements	\$17,021,611	\$24,500,000	\$50,448,189	\$29,000,000	\$0	\$0	\$0	\$29,000,000
408 Sewer Bond Construction	51,349,975	140,294,000	226,749,752	0	0	0	0	0
Subtotal	\$68,371,586	\$164,794,000	\$277,197,941	\$29,000,000	\$0	\$0	\$0	\$29,000,000
TOTAL	\$604,220,661	\$697,345,531	\$1,698,356,949	\$573,616,296	\$182,773,000	\$298,928,797	\$0	\$91,914,499

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, short term borrowing, and fund balances.

³ Reflects the capital construction portion of total expenditures.

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

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

⁶ Since FY 2010 stormwater capital projects have been funded in Fund 125, Stormwater Services.

Details: Paydown Program (General Fund)

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 303, County Construction			
005006	Parks Maintenance of FCPS Fields (Countywide)	Continuing	\$722,535
Funding is included to support general maintenance at designated FCPS athletic fields, including mowing at 505 athletic fields (approximately 176 school sites). This program was established in an effort to maintain consistent standards among school and park athletic fields, improve playing conditions and safety standards and increase user satisfaction. This effort is managed by the Park Authority; however, all field maintenance is coordinated between the Park Authority and the Department of Neighborhood and Community Services.			
005009	Athletic Field Maintenance (Countywide)	Continuing	\$2,500,000
Funding is included for athletic field maintenance efforts, athletic field lighting and irrigation on 287 Park Authority athletic fields of which 99 are lighted and 132 are irrigated. The fields are used by 174,000 users and 200 user groups. This effort is supported entirely by the General Fund and is managed by the Park Authority.			
005012	Athletic Services Fee-Field Maintenance (Countywide)	Continuing	\$750,000
Funding is included to supplement general maintenance of school athletic fields and directly apply revenue generated by the Athletic Services Fee to the athletic field maintenance program. In addition to General Fund support of \$750,000, an amount of \$250,000 is included for this program based on the FY 2012 revenue projection of the Athletic Services Fee. This program provides twice weekly infield preparation on elementary, middle and high school game fields (110 fields); pre- or post-season infield renovations (200 fields); mowing on high school fields after June 1 st (55 fields); and annual maintenance of irrigation systems (65 fields). All field maintenance is coordinated between the Park Authority and the Department of Neighborhood and Community Services. The total funding for this program in FY 2012 is \$1,000,000.			
005016	FCPS Athletic Field Lighting Requirements (Countywide)	Continuing	\$200,000
Funding 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. Prior to FY 2010, two separate projects existed to fund FCPS athletic field lighting; one for boys' athletic fields and one for girls' softball fields. The Department of Neighborhood and Community Services combined the two field lighting projects to allow for an improved prioritization and implementation process for field lighting projects throughout the County. 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 2012 funding supports replacement and repair projects for existing lighting systems only. This project is supported entirely by the General Fund and coordinated by the Department of Neighborhood and Community Services.			
005017	Athletic Services Fee-Turf Field Replacement (Countywide)	Continuing	\$350,000
Funding is included to establish a new turf field replacement program. Funding of \$150,000 is supported by the athletic services fee revenue and \$350,000 is supported by the General Fund. There are currently 32 operational turf fields throughout the County. The oldest field was built in September 2003 and is over 8 years old. Generally the useful life of a turf fields is 8 to 10 years, with replacement costs estimated at approximately \$400,000 per field. Turf fields have proven to be much easier to maintain and are superior to grass surfaces in terms of playability and safety. There are over 100,000 youth and adults that participate annually on rectangular fields that benefit from turf fields. If turf fields are not replaced when needed, they would need to be closed due to safety reasons. In FY 2012 the replacement program has been initiated at the \$500,000 level; however, based on the age and number of turf fields, a contribution of approximately \$1.0 million annually would be required to fully fund the replacement program. The FY 2012 level will allow the County to begin to plan for the gradual replacement of turf fields as they reach the end of their useful life, without a significant disruption in service.			

Details: Paydown Program (General Fund)

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
005020	APRT-Amenity Maintenance (Countywide)	Continuing	\$50,000
<p>Funding is included for routine maintenance of girl's 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 by 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). Funding for the Girls' Fast Pitch Field Maintenance Project ended in FY 2004. FY 2012 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 the Department of Neighborhood and Community Services.</p>			
005021	Athletic Fields-Sports Scholarships (Countywide)	Continuing	\$75,000
<p>Funding 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. In FY 2010, youth sports scholarship recipients totaled 2,894. Of the total funding, an amount of \$75,000 is included for this program based on the FY 2012 projection of revenue generated from the Athletic Services Fee, and \$75,000 is supported by the General Fund.</p>			
007012	SACC Contribution (Countywide)	Continuing	\$750,000
<p>Funding is included for the annual County contribution to help offset school operating and overhead costs associated with School-Age Child Care (SACC) centers. The construction and renovation costs for SACC centers are funded by the FCPS through General Obligation Bonds for which the debt service costs are provided by the County General Fund.</p>			
008043	Northern Virginia Community College (Countywide)	Continuing	\$1,554,710
<p>Funding is included for the annual County 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. Since FY 2006, the County contribution has remained unchanged at \$1.00 per capita; however, in FY 2011 the funding level was raised to \$1.25 per capita and in FY 2012 the level of support is recommended to be \$1.50 per capita. The County contribution has been increased in both FY 2011 and FY 2012 due to the unprecedented 12 percent growth in the NVCC student enrollment and the corresponding capital program requirements. The NVCC currently serves over 72,000 students surpassing all previous expectations of growth and capital planning. It is estimated that the NVCC serves an average of 20 percent of each high school graduating class in addition to increased support for local workers seeking new skills in a tough job market. The NVCC capital plan has recently been adjusted to keep pace with this accelerated enrollment and it is anticipated that capital contributions from the partners will be adjusted gradually to avoid a major commitment from supporting jurisdictions in any given year. It is projected that the per capita support from the NVCC partners could reach \$2.50 per capita in the next six years. The NVCC has indicated that every dollar contributed to the capital program leverages \$29 in state funds back to Northern Virginia. The \$1.50 rate is applied to the population figure provided by the Weldon Cooper Center.</p>			

Details: Paydown Program (General Fund)

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
009406	ADA Compliance (Countywide)	Continuing	\$1,571,700
<p>Funding is included to begin to address Department of Justice (DOJ) audit findings. In May and June 2007, the United States Department of Justice conducted an audit of the County government facilities and programs to determine compliance with the Americans with Disabilities Act (ADA) which requires accessibility to facilities and programs for individuals with disabilities. DOJ has been conducting audits of various governments and private facilities across the country for the past decade. The audit of Fairfax County was part of this national audit program, and was not a result of any specific complaints in the County. The DOJ presented the County with the audit results in August 2009. The audit covered 78 buildings in the County and listed approximately 2,100 violations as well as approximately 10 program areas which needed improvement in order to comply with the ADA. These violations ranged from updating emergency management procedures, web-based services, and general communication procedures, to improving access to buildings, parking garages, restrooms and elevators. Identified violations have been categorized by color: easy, inexpensive (green); more timely and costly (yellow); and difficult, time consuming, and/or expensive (red). The FY 2012 funding will provide for the mitigation of violations categorized as "green" and "yellow" within 33 County-owned facilities. County violations categorized as "red" are estimated to require an additional \$6.8 million to mitigate. This funding will be required in future years. It should be noted that funding for violations associated with Park Authority buildings and facilities has also been included in FY 2012.</p>			
009416	Parks-ADA Compliance (Countywide)	Continuing	\$600,000
<p>An amount of \$600,000 to address requirements associated with ADA compliance at Park facilities. FY 2012 funding will provide for annual requirements estimated at \$300,000 for continued retrofits at the Lake Fairfax Park camp office and bath house. In addition, an amount of \$300,000 has been included to begin to address Department of Justice (DOJ) audit findings. In May and June 2007, the United States Department of Justice conducted an audit of the County government facilities and programs to determine compliance with the Americans with Disabilities Act (ADA) which requires accessibility to facilities and programs for individuals with disabilities. DOJ has been conducting audits of various governments and private facilities across the country for the past decade. The audit of Fairfax County was part of this national audit program, and was not a result of any specific complaints in the County. The DOJ presented the County with the audit results in August 2009. The audit covered 78 buildings in the County and listed approximately 2,100 violations as well as approximately ten program areas which needed improvement in order to comply with the ADA. These violations ranged from updating emergency management procedures, web-based services, and general communication procedures, to improving access to buildings, parking garages, restrooms and elevators. Identified violations have been categorized by color: easy, inexpensive (green); more timely and costly (yellow); and difficult, time consuming, and/or expensive (red). FY 2012 funding will provide for the mitigation of violations categorized as "green" or "yellow" within Park Authority facilities and programs. Park Authority violations categorized as "red" are estimated to require an additional \$4 million to mitigate. This funding will be required in future years. It should be noted that funding for violations associated with County owned buildings and facilities has also been included in FY 2012.</p>			
009417	Parks-General Maintenance (Countywide)	Continuing	\$425,000
<p>Funding is included for general park maintenance at non-revenue generating Park Authority facilities. These maintenance requirements include major non-recurring repairs and stabilization of new 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 2012, funding is provided to: stabilize and protect the Silo at Turner Farm (\$150,000); replace aged security systems at various sites throughout the County (\$75,000); repair and replace roofs at prioritized picnic shelters, nature centers and maintenance shops (\$100,000); and stabilize and repair the roof at the Grist mill barn (\$100,000).</p>			

Details: Paydown Program (General Fund)

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
009422	Maintenance-CRP (Countywide)	Continuing	\$390,000
<p>Funding of \$390,000 is included to continue certain non-routine maintenance in five major commercial revitalization areas (Annandale, Route 1, Springfield, McLean and Baileys Crossroads). This funding provides for: fixing benches and furniture, signs that are broken; fixing broken brick pavers; pruning trees and replacing dead trees; and maintaining appropriate site distances (trimming) on a priority basis. This funding partially supports the maintenance effort and does not fully fund the program. Funding for routine maintenance such as: mulching, fertilizing, broadleaf and weed control, edging, crack weed control, pest control, annual or perennial plantings, leaf removal in the fall, litter collection and removal of trash cans will be prioritized..</p>			
009442	Parks-Ground Maintenance (Countywide)	Continuing	\$987,076
<p>Funding is included to support annual requirements for Parks grounds maintenance at non-revenue supported parks. At the present, responsibilities include the care for a total park acreage of over 22,000 acres of land, with 417 park site locations, maintenance and repair of tennis courts, basketball courts, trails, picnic areas and picnic shelters, playgrounds, bridges, parking lots and roadways, and stormwater ponds.</p>			
009443	Parks-Facilities Maintenance (Countywide)	Continuing	\$470,000
<p>Funding is included to provide corrective and preventive maintenance for over 538,000 square feet at non-revenue supported Park Authority structures and buildings. These repairs include the replacement of broken windows and doors, equipment repairs and the scheduled inspection and 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.</p>			
009444	Laurel Hill (Mount Vernon)	Continuing	\$1,559,859
<p>Funding 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 in early 2002. The property includes approximately 2,340 acres of land and 1.48 million square feet of building space. Of the amount funded in FY 2012, \$1,262,739 will fund the Facilities Management Department's security, maintenance services, grounds maintenance and support staff. The remaining \$297,120 will fund Park Authority critical maintenance activities and support staff.</p>			
009494	Salona Property (Dranesville)	Continuing	\$1,013,489
<p>Funding is included for the annual payment associated with the Salona property based on the Board of Supervisors' approval of the purchase of a conservation easement associated with the Salona property on September 26, 2005. The total cost of the property is \$18.2 million with payments scheduled through FY 2026.</p>			

Details: Paydown Program (General Fund)

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
009700	Environmental Agenda Initiatives (Countywide)	Continuing	\$85,000
<p>Funding is included to provide for initiatives that directly support the Board of Supervisors' Environmental Agenda. The Environmental Excellence 20-year Vision Plan (Environmental Agenda) includes six topic areas: Growth and Land Use; Air Quality and Transportation; Water Quality; Solid Waste; Parks, Trails and Open Space; and Environmental Stewardship. FY 2012 funding of \$15,000 provides for continued outreach efforts and air quality awareness in order to fulfill the County's commitment to the State Implementation Plan (SIP) for Clean Air Partners. Funding will support outreach efforts to educate residents, employees and businesses to take voluntary actions that will improve the air quality in the region, as well as to collaborate with Clean Air Partners in their efforts to raise awareness of air pollution and continue the County's participation as a business sponsor in their media campaign. Funding of \$70,000 is also 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 44 trained volunteer leaders have committed to four work-days per year at 36 sites. Over 15,000 volunteer hours have been contributed since the Invasive Plant Removal Program's inception in 2005. Lastly, it should be noted that an amount of \$87,210 has been provided in Fund 119, Contributory Fund to continue partnering with three non-profit agencies to support tree planting efforts throughout the County.</p>			
009800	Revitalization Initiatives (Countywide)	Continuing	\$190,000
<p>Funding is included for revitalization initiatives within the Office for Community Revitalization and Reinvestment including marketing materials for countywide revitalization activities, consultant services and training. In FY 2012, funding is anticipated to support consultant expenses specifically in the Reston and Tyson's areas.</p>			
009998	Payments of Interest on Conservation Bonds (Countywide)	Continuing	\$100,000
<p>Funding 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 the projects, the developer is refunded the deposit with interest. This estimate is based on actual experience in the past several years.</p>			
ED0001	Emergency Directives Program (Countywide)	Continuing	\$100,000
<p>Funding 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 <u>Fairfax County Code</u>, in which cited property owners fail to correct. There are several factors contributing to the recent increase in abatement services such as, development of new abatement requirements, and a significant increase in property foreclosures within the County.</p>			
U00005	Survey Control Network Monumentation (Countywide)	Continuing	\$75,000
<p>Funding is included to support the maintenance and establishment of geodetic survey control points for the geographic information system (GIS). This project also supports the development and maintenance of an interactive, GIS-based web site which will provide convenient and cost effective monumentation information to the County's land development customers.</p>			

Details: Paydown Program (General Fund)

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
U00060	Developer Defaults (Countywide)	Continuing	\$300,000
<p>Funding is included to support the Developer Default program. 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. Land Development Services (LDS) will identify projects for resolution in FY 2012, as well as respond to requests to prepare composite cost estimates to complete specific developer default projects. Total FY 2012 funding in the amount of \$600,000 is included for developer default projects of which \$300,000 is projected in developer default revenue, and \$300,000 is supported by the General Fund.</p>			
V00002	Emergency Road Repairs (Countywide)	Continuing	\$100,000
<p>Funding is included to support the Emergency Road Repairs program and the Road Maintenance program, which were combined in FY 2010. Staff will prioritize funding for projects including emergency safety and road repairs to County-owned service drives and County-owned stub streets which are currently not accepted by the Virginia Department of Transportation (VDOT) into the state highway system for maintenance and other on-going road maintenance work. 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.</p>			
Total, Fund 303		Continuing	\$14,919,369
Fund 307, Pedestrian Walkway Improvements			
002200	Emergency Maintenance of Existing Trails (Countywide)	Continuing	\$100,000
<p>Funding supports emergency and critical maintenance of existing trails, sidewalks and pedestrian bridges. On-going critical maintenance includes, but is not limited to, 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.</p>			
Total, Fund 307		Continuing	\$100,000
Fund 312, Public Safety Construction			
009223	Jennings Courtroom Renovations (Providence)	\$3,530,000	\$550,000
<p>An amount of \$750,000 is included to complete construction associated with the renovation of a fourth courtroom in the original portion of the Jennings Judicial Center. Of the total funding, an amount of \$550,000 is funded by the General Fund and \$200,000 is transferred from Fund 105, Cable Communications to support wiring, cabling and other technology costs associated with courtroom technology. Of the 26 courtrooms in the Jennings Building, renovations are complete on three courtrooms, with a fourth courtroom having completed the design phase only. These courtrooms require improved lighting, ductwork realignment, ADA compliance updates, and technology upgrades to remain operational. Courtroom technology improvements will support integrated and mobile evidence presentation, real time court reporting, wireless access, electronic way finding, video conferencing and video arraignment, improving efficiencies and facilitation of court process and services. Funding to complete the remaining 22 courtrooms will be required in future years.</p>			
Total, Fund 312		\$3,530,000	\$550,000

Details: Paydown Program (General Fund)

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 340, Housing Assistance Program			
014272	Community Improvement Program Costs (Countywide)	\$2,060,000	\$515,000
An amount of \$515,000 is included for current program needs, staffing and other activities associated with countywide residential improvement and repair projects within the Department of Housing and Community Development.			
Total, Fund 340		\$2,060,000	\$515,000

TOTAL PAYDOWN (GENERAL FUND)

\$16,084,369

Details: Real Estate Tax Revenue

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 319, The Penny for Affordable Housing Fund			
014196	Affordable/Workforce Housing Projects (Countywide)	Continuing	\$675,000
Funding supports the preservation of affordable housing.			
014239	Crescent Apartments (Hunter Mill)	\$72,024,180	\$3,900,000
Funding is included for the annual debt service payment associated with the Crescent Apartment complex that was acquired in FY 2006.			
014268	Wedgewood (Braddock)	\$37,191,250	\$5,775,000
Funding is included for the annual debt service payment associated with the Wedgewood Apartment Complex.			
014277	Bridging Affordability Program (Countywide)	Continuing	\$4,318,400
Funding is included to provide housing assistance to 48 homeless families and individuals and 364 households on the County's affordable housing waiting lists.			
Total, Fund 319		\$109,215,430	\$14,668,400

TOTAL REAL ESTATE TAX REVENUE

\$14,668,400

Details: General Obligation Bonds

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 306, Northern Virginia Regional Park Authority			
NA	County Contribution (Countywide)	Continuing	\$3,000,000
Funding is included to support Fairfax County's capital contribution to the Northern Virginia Regional Park Authority (NVRPA). Funding provides for costs associated with construction, park development, and capital requirements according to plans adopted by the NVRPA Board and its Capital Improvement Program. FY 2012 represents the fourth of four years of County contributions associated with \$12.0 million approval as part of the fall 2008 referendum. It will allow the NVRPA to continue to address needed capital infrastructure improvements.			
Total, Fund 306		Continuing	\$3,000,000
Fund 309, Metro Operations and Construction			
NA	NA	Continuing	\$24,773,000
General Obligation Bond funding to support the 106-mile Metrorail system as well as to maintain and/or acquire facilities, equipment, railcars and buses.			
Total, Fund 309		Continuing	\$24,773,000
Fund 390, Public School Construction			
NA	NA	Continuing	\$155,000,000
Funding is included for various school construction projects financed by General Obligation Bonds. For details, see the FY 2012 Superintendent's Proposed Budget .			
Total, Fund 390		Continuing	\$155,000,000

TOTAL GENERAL OBLIGATION BONDS

\$182,773,000

Details: Wastewater Management System

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 402, Sewer Construction Improvements			
I00353	Pumping Stations (Countywide)	\$12,440,586	\$5,000,000
Funding supports the renovation of pumping stations within the Wastewater Management Program. FY 2012 funding supports the replacement of back-up power generators and additional funding for repair, renovation, and replacement of pumping station equipment. This funding will also ensure proper operations in the wastewater conveyance during power outages.			
L00117	Dogue Creek Rehab/Replacement (Mount Vernon)	Continuing	\$4,300,000
Funding is included for the replacement of the Dogue Creek Force Main. The Dogue Creek Force Main is approximately 4,350 linear feet of 36-inch trunk line. FY 2012 funding provides for the replacement of back-up power generators and funds repair, renovation and replacement of pumping station equipment.			
X00903	Replacement and Transmission Programmed Rehabilitation (Countywide)	Continuing	\$14,400,000
Funding is provided for the systematic rehabilitation of the County's more than 3,380 miles of sanitary sewer lines. Rehabilitation options include techniques/products such as slip-lining, instituform, and fold and form performed by outside contractors. Funding of \$14,400,000 provides for the recurring repair, replacement and renovation of 20 miles of sewer lines using predominantly "no dig" technologies.			
X00912	Replacement and Renewal-Treatment (Mount Vernon)	Continuing	\$5,300,000
Funding is included for the replacement of equipment and facilities at the Noman M. Cole, Jr. Pollution Control Plant to maintain efficient operations and meet permit requirements. Funding supports upgrades to the following: clarifier mechanisms and tankage, wastewater and sludge pumps, motors and pump drives, motor control centers, chemical feed systems, HVAC systems, building and incinerator upgrades, and the Supervisory Control and Data Acquisition (SCADA) system.			
Total, Fund 402		\$12,440,586	\$29,000,000

TOTAL WASTEWATER MANAGEMENT SYSTEM

\$29,000,000

Details: Other Financing

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 109, Refuse Collection			
109001	Newington Facility Enhancements (Mount Vernon)	\$1,818,038	\$100,000
Funding for improvements and necessary maintenance of the Newington facility which includes the repair and replacement of the HVAC system, boilers and air handlers.			
Total, Fund 109		\$1,818,038	\$100,000
Fund 111, Reston Community Center			
003717	Reston Community Center Facility Renovations (Hunter Mill)	\$7,107,462	\$98,000
Funding is included to seal the Reston Community Center Hunters' Woods facility roof to create a watertight coating and enhance the environmental "go green" impact allowing roof surface reflectivity.			
Total, Fund 111		\$7,107,462	\$98,000
Fund 113, McLean Community Center			
003601	McLean Community Center Improvements (Dranesville)	\$3,649,159	\$575,000
Funding supports of \$215,000 for the Scene Shop ladder and office, and the heating, ventilation and air conditioning (HVAC) in the theatre balcony; and capital replacements of \$360,000 for MCC carpeting, parking lot paving, theatre seats and HVAC in the sound and lights box office booths.			
Total, Fund 113		\$3,649,159	\$575,000
Fund 125, Stormwater Services			
DC0800	Kingstowne Monitoring Program (Lee)	\$600,000	\$300,000
Funding to support monitoring and maintenance requirements associated with the Kingstowne environmental program. This program was established by the Board of Supervisors in June 1985 and is intended to continue until completion of the Kingstowne Development. In FY 2002, the program was expanded to include the water quality monitoring requirements of the U.S. Army Corps of Engineers for the development of the South Van Dorn Street extension.			
FX0100	Project Implementation Program (Countywide)	\$10,082,405	\$4,893,808
Funding to continue the implementation of the 30 watershed master plans within Fairfax County. Implementation of these master plans include the design and construction of watershed specific projects within various watersheds throughout the County; the emergency watershed project which supports the correction of unexpected emergency drainage problems; and engineering studies and construction to alleviate flooding problems of a recurring or emergency nature that arise during the fiscal year. The project implementation program ensures that the most current design and construction standards are adhered to, and coordinates with property owners, stakeholders, and regulators on project design and construction requirements.			
FX0400	Dam Safety Program (Countywide)	\$5,400,000	\$2,700,000
Funding will enable the County to meet state permit requirements, and to support assessment and monitoring of dams, and associated dam repair activities. In FY 2012, the Dam Safety Program will continue to focus on obtaining and maintaining the six-year maintenance and operating certificates on all state regulated dams in the County. Based on recent revisions in federal and state dam safety standards, this program includes the oversight and funding of required critical upgrades of dams and emergency spillways to four of the six high hazard flood control facilities maintained under the PL566 Dam Maintenance Program.			

Details: Other Financing

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
FX0500	Stormwater Management Facility (Countywide)	\$3,000,000	\$1,000,000
<p>Funding supports a comprehensive engineering and inspection assessment of the public and private stormwater management infrastructure as required under the County's MS4 mandated stormwater facility inspection cycles. The Stormwater Management Facility Program provides annual inspections and assessments of a projected 1,510 publicly maintained stormwater management ponds and 3,750 privately maintained stormwater management ponds in FY 2012. This program provides enhanced outreach efforts for owners of privately maintained stormwater facilities, to provide useful facility operations and maintenance guidance for these facilities.</p>			
FX0600	Infrastructure Reinvestment Program (Countywide)	\$12,189,229	\$4,893,808
<p>Funding supports a comprehensive inspection, design, and contract administration program to rehabilitate, upgrade, and replace dilapidated County storm drainage infrastructure as well as the development of Geographic Information System (GIS) layers for the stormwater management program. The infrastructure reinvestment program provides inventory inspection and assessment services for repair and rehabilitation of the 1,586 miles of piped conveyance systems and 42,800 stormwater drainage structures. The storm drainage program is on a five-year "physical walk" surface inspection cycle, and a 20-year internal system assessment cycle to inspect the conveyance system with closed circuit TV for functionality and integrity. This program also funds the development of GIS layers which are providing critical asset management support to the stormwater program asset and work flow management system.</p>			
FX0700	Stormwater Regulatory Program (Countywide)	\$5,400,000	\$2,700,000
<p>Funding supports requirements associated with the Municipal Separate Storm Sewer System (MS4) regulatory requirements. Increased MS4 requirements are expected to increase inspection cycles and monitoring efforts, and enhance restrictions for total maximum daily loads of harmful nutrients entering the streams and rivers within the County. Funding for this program is specific to permit administration, public outreach programs, stormwater facility inspections and assessment, and stormwater monitoring programs. The County's Stormwater regulatory program also includes the Fairfax County Public Schools (FCPS) MS4 permit requirements. Consolidation efforts continue to focus on updating the inventory of the School's stormwater management facilities, inspection of the facilities, and initiation of joint County/School programs for required permit compliance services.</p>			
SP0001	Northern Virginia Soil and Water Conservation District Contribution (Mount Vernon)	Continuing	\$429,293
<p>Funding supports the County's contribution to the Northern Virginia Soil and Water Conservation District (NVSWCD). 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.</p>			
SP0002	Occoquan Monitoring Contribution (Mount Vernon)	Continuing	\$112,559
<p>Funding supports the County's contribution to the Occoquan Watershed Monitoring Program (OWMP) and the Occoquan Watershed Monitoring Laboratory (OWML) which were established 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 provides a critical role as the unbiased interpreter of basin water quality information.</p>			
Total, Fund 125		\$36,671,634	\$17,029,468

Details: Other Financing

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 144, Housing Trust Fund			
013906	Undesignated Project (Countywide)	Continuing	\$48,814
Funding is included for the undesignated 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 2012.			
014116	Affordable Housing Partnership Program (AHPP) Tier III (Countywide)	Continuing	\$200,000
Funding is included as a planning factor for project feasibility studies by non-profits and for-profits as approved by the Board of Supervisors.			
014191	Rehabilitation of Fairfax County Redevelopment and Housing Authority (FCRHA) Properties (Countywide)	Continuing	\$100,000
Funding is included as a planning factor to rehabilitate FCRHA non-public housing, residential properties in order to maintain to property safety and neighborhood and quality of life standards.			
Total, Fund 144		Continuing	\$348,814
Fund 303, County Construction			
005012	Athletic Services Fee-Field Maintenance (Countywide)	Continuing	\$250,000
Funding is included to supplement general maintenance of school athletic fields and directly apply revenue generated by the Athletic Services Fee to the athletic field maintenance program. In addition to General Fund support of \$750,000, an amount of \$250,000 is included for this program based on the FY 2012 revenue projection of the Athletic Services Fee. This program provides twice weekly infield preparation on elementary, middle and high school game fields (110 fields); pre- or post-season infield renovations (200 fields); mowing on high school fields after June 1 st (55 fields); and annual maintenance of irrigation systems (65 fields). All field maintenance is coordinated between the Park Authority and the Department of Neighborhood and Community Services. The total funding for this program in FY 2012 is \$1,000,000.			
005013	Athletic Services Fee-Turf Field Development (Countywide)	Continuing	\$350,000
Funding 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. Synthetic turf fields improve the capacity, safety, playability, and availability of existing athletic fields. Artificial fields offer a cost effective way of increasing capacity on fields at existing parks and schools. 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. In addition, on November 7, 2006, the voters approved a \$25 million Park Bond Referendum of which \$10 million was earmarked to fund the conversion of up to 12 fields from natural turf to synthetic turf. Funding of \$500,000 had been dedicated to this program annually; however, in FY 2012 athletic services fee revenue funding of \$150,000 has been redirected in order to establish a turf field replacement program.			

Details: Other Financing

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
005017	Athletic Services Fee-Turf Field Replacement (Countywide)	Continuing	\$150,000
<p>Funding is included to establish a new turf field replacement program. Funding of \$150,000 is supported by the athletic services fee revenue and \$350,000 is supported by the General Fund. There are currently 29 operational turf fields throughout the County. The oldest field was built in September 2003 and is over 8 years old. Generally the useful life of a turf fields is 8 to 10 years, with replacement costs estimated at approximately \$400,000 per field. Turf fields have proven to be much easier to maintain and are superior to grass surfaces in terms of playability and safety. There are over 100,000 youth and adults that participate annually on rectangular fields that benefit from turf fields. If turf fields are not replaced when needed, they would need to be closed due to safety reasons. In FY 2012 the replacement program has been initiated at the \$500,000 level; however, based on the age and number of turf fields, a contribution of approximately \$1.0 million annually would be required to fully fund the replacement program. The FY 2012 level will allow the County to begin to plan for the gradual replacement of turf fields as they reach the end of their useful life, without a significant disruption in service.</p>			
005014	Athletic Services Fee-Custodial Support (Countywide)	Continuing	\$275,000
<p>Funding is included for custodial support of 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 has been 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 managed by the Department of Neighborhood and Community Services.</p>			
U00060	Developer Defaults (Countywide)	Continuing	\$300,000
<p>Funding is included to support the Developer Default program. 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. Land Development Services (LDS) will identify projects for resolution in FY 2012, as well as respond to requests to prepare composite cost estimates to complete specific developer default projects. Total FY 2012 funding in the amount of \$600,000 is included for developer default projects of which \$300,000 is projected in developer default revenue, and \$300,000 is supported by the General Fund.</p>			
005021	Athletic Field-Sports Scholarships (Countywide)	Continuing	\$75,000
<p>Funding 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. In FY 2010, youth sports scholarship recipients totaled 2,894. Of the total funding, an amount of \$75,000 is included for this program based on the FY 2012 projection of revenue generated from the Athletic Services Fee, and \$75,000 is supported by the General Fund.</p>			
009432	Telecommunication and Network Connections (Countywide)	Continuing	\$404,500
<p>Funding is transferred from Fund 105, Cable Communications to support wiring, cabling, fiber and communication interconnection equipment associated with phone and data systems at new or expanded facilities scheduled to open in FY 2013. Funding for the wiring and cables must be in place prior to the opening of the facilities based on the building and renovation schedules. The facilities include: Providence Community Center, West Ox Animal Shelter, I-66 Workers Facility, Fair Oaks Police Station and Newington Garage Expansion.</p>			
Total, Fund 303		Continuing	\$1,804,500

Details: Other Financing

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 312, Public Safety Construction			
009223	Jennings Courtroom Renovations (Providence)	\$3,530,000	\$200,000
<p>An amount of \$750,000 is included to complete construction associated with the renovation of a fourth courtroom in the original portion of the Jennings Judicial Center. Of the total funding, an amount of \$550,000 is funded by the General Fund and \$200,000 is transferred from Fund 105, Cable Communications to support wiring, cabling and other technology costs associated with courtroom technology. Of the 26 courtrooms in the Jennings Building, renovations are complete on three courtrooms, with a fourth courtroom having completed the design phase only. These courtrooms require improved lighting, ductwork realignment, ADA compliance updates, and technology upgrades to remain operational. Courtroom technology improvements will support integrated and mobile evidence presentation, real time court reporting, wireless access, electronic way finding, video conferencing and video arraignment, improving efficiencies and facilitation of court process and services. Funding to complete the remaining 22 courtrooms will be required in future years.</p>			
Total, Fund 312		\$3,530,000	\$200,000
Fund 390, Public School Construction			
NA	NA	Continuing	\$8,084,711
<p>Funding is included for various school construction projects financed from a state construction grant, Parent Teachers Association/Parent Teacher Organization receipts, and transfers from Fund 090, Public School Operating Fund. For details, see the FY 2012 Superintendent's Proposed Budget.</p>			
Total, Fund 390		Continuing	\$8,084,711

TOTAL OTHER FINANCING

\$28,240,493

Details: Short-Term Borrowing Associated with Capital Renewal

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
Fund 317, Capital Renewal			
003099	Emergency Building Repairs (Countywide)	Continuing	\$2,765,000
<p>Funding provides for planned emergency repairs, minor renovations, and critical upgrading of various buildings and facilities throughout the County. Projects include emergency repairs to buildings and building equipment, plumbing repairs, minor renovations to electrical and mechanical systems, structural repairs, vandalism abatement, and other non-recurring construction and repair projects. A total of \$2,765,000 is included in FY 2012.</p> <p>Funding in the amount of \$1,500,000 is included for critical work at the 60 year old Willston Center including repairs and renovation of restrooms, plumbing fixtures and flooring. The Willston Center building was constructed in the 1950s as an elementary school with much of the original fixtures and systems still in place. The Willston Center is a multi-cultural center offering drop-in recreational programs designed for elementary school children during the spring, summer and winter breaks; an adult education center; a computer learning center; and other community center programs. The restrooms used by both employees and the public currently do not have hot water available and are in extreme need of repairs. This amount also includes the removal of the original floor tiles in the restrooms which have been determined to contain asbestos. Staff and patrons will need to be temporarily relocated while the asbestos mitigation process takes place. FY 2012 funding will provide for a complete restoration of all restrooms in the building to prevent further deterioration, leakage and potential health and safety concerns.</p> <p>In addition, funding in the amount of \$700,000 is included to provide sealant and caulking throughout the entire Government Center parking garage (P1 and P2) as well as install new hood grates which provide for exhaust discharge and protect against water infiltration into the garage. During heavy rain events, flooding occurs in the garage which deteriorates the concrete surfaces and imminent repairs are needed. Funding in the amount of \$350,000 is also included to recaulk all windows and expansion joints at the Adult Detention Center facility. Much of the original caulking has failed and water continues to leak into the building presenting an imminent safety hazard.</p> <p>Lastly, \$215,000 is included to conduct a facility assessment at approximately 40 County facilities to specifically identify future capital renewal needs. The last facility assessment was conducted in 2004 on 92 selected facilities (approximately 4.2 million square feet of space), representative of the oldest facilities at the time. The assessment included a complete visual inspection of roofs and all mechanical and electrical components for each facility. Maintenance and repair deficiencies were identified and funding requirements estimated. These 92 facilities represent approximately 50 percent of the current inventory. Additional facility assessment funding will allow inspectors to evaluate major building systems, identify cost estimates associated with repair and replacement and plan for future renewal requirements. The study will include approximately 40 of the remaining facilities not evaluated in 2004 which are now aging and require a comprehensive review.</p>			
003100	Fire Alarm Systems (Countywide)	Continuing	\$1,185,000
<p>Funding is included for the planned replacement of fire alarm systems throughout the County. Fire alarm systems are replaced based on age and difficulty in obtaining replacement parts and service. FY 2012 funding in the amount of \$1,185,000 is included for the replacement of the obsolete and aged fire alarm systems at the following County facilities: Pine Ridge, Clifton Fire Station, Sherwood Library, Mason Government Center, Whitman Annex, Lorton Library, Franconia Government Center and the Old Jail portion of the Historic Courthouse.</p>			

Details: Short-Term Borrowing Associated with Capital Renewal

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
009132	Roof Repairs and Waterproofing (Countywide)	Continuing	\$1,095,000
<p>Funding is included for the planned replacement or repair of facility roofs and waterproofing systems in County buildings. Maintenance and repairs are required to stop rapid deterioration and damage due to water penetration. As roofs age, repairs are no longer cost effective and replacement is required. Roofs at County facilities range in warranty periods from 10 to 20 years. The warranties on all of the roofs slated for replacement in FY 2012 have expired. In FY 2012, funding in the amount of \$1,095,000 is included for roof repairs and replacement including: \$250,000 for the 22 year old Gum Springs Community Center, \$150,000 for the 13 year old Woodlawn Fire Station, \$150,000 for the 23 year old George Mason Library, \$150,000 for the 23 year old Baileys Community Center, \$120,000 for the 17 year old Sherwood Library, \$100,000 for the 24 year old McLean Fire Station, \$100,000 for the 51 year old Penn Dawn Fire Station; and \$75,000 for the 11 year old roof at the Alban Garage. In general, roof replacement is required every 20 years; however, leaking and damage caused by water infiltration to facilities can require more immediate attention.</p>			
009136	Parking Lot and Garage Repairs (Countywide)	Continuing	\$660,000
<p>Funding is included for the planned repair and maintenance of facility parking lots and garages throughout the County. In FY 2012, funding of \$660,000 is included for re-paving and repairs to three parking lots. Funding of \$350,000 is required to repave the Jermantown Department of Vehicle Services (DVS) Garage based on rapid deterioration of the asphalt. This DVS garage is a heavy traffic facility supporting large volumes of public safety vehicles, trucks and maintenance vehicles entering and exiting the facility daily. With such a large volume of vehicle traffic, the asphalt is deteriorating more rapidly. In addition, repaving and replacement of parking lots and concrete ramps is required at the Pohick Fire Station in the amount of \$160,000; and the McLean Fire Station in the amount of \$150,000. Parking lots at fire stations tend to deteriorate more rapidly based on the frequent use of heavy apparatus vehicles. In general paving will last 15 years; however, heavy vehicle use, temperature changes, water penetration, chemicals used for snow removal, and fuel leaks from vehicles under repair can cause the asphalt to deteriorate more rapidly.</p>			

Details: Short-Term Borrowing Associated with Capital Renewal

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
009151	HVAC/Electrical Systems (Countywide)	Continuing	\$5,570,000
<p>Funding is included for the planned replacement of HVAC systems at prioritized County facilities, based on the severity of problems including overloaded systems, fire hazards, and costly repairs. FY 2012 funding of \$5,570,000 will provide for HVAC replacement and electrical repairs at a variety of County facilities. In general, the useful life of HVAC/Electrical systems is 20 years; however, some systems fail earlier due to wear and tear, and often emergency repairs are costly based on difficulty obtaining parts and additional code requirements.</p> <p>Funding of \$4,000,000 is included to replace antiquated HVAC system components at the Old Courthouse which was built in the 1800's. The last HVAC replacement was in 1990 and the system is now beyond its useful life. It is consistently at risk of failure and is requiring increased maintenance efforts due to age and stress on the system. Replacement components include chillers, air handlers, cooling towers and steam boilers which will all need to be replaced and upgraded to meet current code requirements. The Old Courthouse is currently undergoing other renewal efforts which are supported by \$6.5 million in General Obligation bonds approved as part of the 2006 Public Safety Bond Referendum. This renewal work is focused on the structural envelop of the building, including securing the foundation to alleviate water damage, repairing and upgrading the masonry around the perimeter of the building and renovating existing space in order to house the County's historic archives. The building has been experiencing leaking, moisture accumulation, and mold issues which can compromise the foundation and structural frame. This work is expected to be completed in the next two years and additional repairs such as additional electrical work, replacement of the generator and security systems will be required in future years.</p> <p>Funding of \$900,000 is provided to replace the electrical distribution system and the uninterruptible power source (UPS) that protects Emergency-911 equipment, including the Computer Aided Dispatch system, and other computers and data centers at the 51 year old Pine Ridge facility. The Pine Ridge facility houses the critical Emergency-911 back-up center, and several Police Department operations such as the Police Motorized Division, SWAT team and other tactical teams. The UPS system protects mission critical computer systems in the event of a power surge or failure and enables the systems to keep running, avoiding disruptions in service. The UPS system is able to assume immediate power during power outages by maintaining operations until backup generators are activated.</p> <p>Funding of \$450,000 is included to replace HVAC system components at the 17 year old New Beginnings facility, and funding of \$35,000 is included to replace the air handling unit which regulates air conditioning at the 18 year old Herndon Library. All of these repairs have been classified as safety risks in need of imminent repairs or critical systems beyond their useful life and in risk of failure. In addition, repairs at these two sites are no longer cost effective.</p> <p>Lastly, funding is provided for replacement batteries to support the UPS systems at two critical facilities. The UPS system protects mission critical computer systems in the event of a power surge or failure and enables the systems to keep running, avoiding disruptions in service. UPS systems are battery operated and in general, the life expectancy of the batteries is 3 to 5 years. Often, frequent system disruptions, power surge events and prolonged battery usage, can result in more frequent battery replacement. FY 2012 includes the planned replacement of batteries at the Jennings Courthouse in the amount of \$60,000 and the McConnell Public Safety and Transportation Operations Center in the amount of \$125,000.</p>			

Details: Short-Term Borrowing Associated with Capital Renewal

Project Number	Project Name (District)	Total Project Estimate	FY 2012 Funded
009431	Emergency Generator Replacement (Countywide)	Continuing	\$1,350,000
<p>Funding is included for the planned replacement of emergency generators at mission critical County facilities that have outlived their useful life of 25 years. Generators are critical to the mission and operation of County facilities by providing backup power when power outages occur. Generators are maintained at police stations, fire stations and other operationally critical County facilities. FY 2012 funding of \$1,350,000 includes: \$700,000 for replacement of two generators at the 51 year old Pine Ridge facility \$500,000 for replacement of the 21 year old system at the Jermantown Garage; and \$150,000 for replacement of the 22 year old Chantilly Fire Station generator. Generators are critical at these facilities due to potential power outages and a disruption in critical operations for staff and the public. In general, these systems last 25 years, but replacement requirements can vary based on wear and tear, frequency of repair requirements, and other signs of imminent failure.</p>			
009600	Elevator/Escalator Replacement (Countywide)	Continuing	\$2,375,000
<p>Funding is included for planned elevator or escalator replacement and upgrades for systems that have outlived their useful life and are experiencing frequent breakdowns. FY 2012 funding in the amount of \$2,375,000 includes funding of \$2,000,000 to address escalator replacement at the 19 year old Jennings Courthouse which is experiencing significant increases in maintenance resulting from a fracture in the escalator track and a large gap between the step and side panel. The escalator is requiring frequent repairs and causing a disruption in service and severe safety concerns for patrons of the Courthouse.</p> <p>In addition \$300,000 is required to support design work for elevator replacement at the 19 year old Pennino and Herrity Buildings; and \$75,000 is required for the Herrity and Pennino Garage elevators which are both used by employees and the public and could create safety concerns for patrons. Both elevator and escalator replacements will satisfy all current code requirements and provide for the safety of users. Construction funding for upgrades and replacement at the Pennino and Herrity campus will be required once design work is complete.</p>			
Total, Fund 317		Continuing	\$15,000,000

TOTAL SHORT-TERM BORROWING ASSOCIATED WITH CAPITAL RENEWAL

\$15,000,000