



Capital Improvements Program (CIP)

INTRODUCTION

The Montgomery County Charter (Section 302) requires the County Executive to submit a comprehensive six-year program for capital improvements, called the Capital Improvements Program (CIP), not later than January 15 of each even-numbered calendar year. The Charter requires that the annual capital budget be consistent with the six-year program. In odd-numbered calendar years, the approved CIP, together with any amendments, continues to guide capital investment.

The CIP includes all capital projects and programs for all agencies for which the County sets tax rates or approves budgets or programs. The CIP includes:

- a statement of the objectives of capital programs;
- the relationship of capital programs to the County's long-range development plans;
- recommendations for capital projects and their construction schedules; and
- estimates of costs, anticipated revenue sources, and impacts of the capital program on County revenues and the operating budget.

The County Charter (Section 302) also provides that the CIP may be amended at any time. In practice, amendments to the CIP are limited to conform to the requirement for a biennial, or every other year, CIP. Criteria for amendments generally include: use of funds from external sources; projects which address significant health or safety requirements; and economic development opportunities.

This section summarizes the CIP, its six-year projections of expenditures, and the fiscal policies and funding to support them. The complete County Executive's Recommended CIP are published as a separate document, and may be found at: <http://montgomerycountymd.gov/capitalbudget>. The complete Approved CIP can be found on the same website.

PROGRAM OBJECTIVES

Capital program goals and objectives for departments within the Montgomery County Government are provided in the program description and objectives subsections contained in the various sections of the Recommended CIP document. For other government agencies (Montgomery County Public Schools, Montgomery College, Maryland-National Capital Park and Planning Commission, Washington Suburban Sanitary Commission, Revenue Authority, and Housing Opportunities Commission), missions are more generally described, citing statutory authority, with agency capital programs supporting those goals. Further detail on the capital program goals and objectives for these agencies is contained in their CIP request documents, which may be obtained directly from each agency.

CAPITAL PROGRAM PLANNING

Planning Policies

Planning for capital improvements is tied to the County's continuing development and growth in population, numbers of households, and businesses. Land use master plans and sector plans for the County's geographic planning areas anticipate needs for roads, schools, and other facilities required by new or changing population. The County continues its efforts to improve the linkages between County planning activities, the CIP, and the Operating Budget.

General Plan and Master Plans and Sector Plans

The General Plan Refinement of FY94 recognizes the importance of establishing priorities for the provision of public facilities. The CIP gives high priority to areas of greatest employment and residential density when allocating public investment. Some County master plans include phasing elements which provide guidance about the timing and sequence of capital facilities to develop a CIP that serves long-range needs. Copies of the County's General Plan and adopted master plans and sector plans may be obtained directly from the Maryland-National Capital Park and Planning Commission (M-NCPPC).

Subdivision Staging Policy

Overall planning policies involve an interdependence between the CIP as a budgeting document which allocates available public resources according to County priorities and the Subdivision Staging Policy, the main purpose of which is to manage the location and pace of private development. The Subdivision Staging Policy is designed to affect the staging of development approvals, matching the timing of private development with the availability of public facilities. It identifies the need for public facilities to support private development and constrains the number of private subdivision approvals to those that can be accommodated by existing and programmed public facilities.

In order to guide subdivision approvals under the Adequate Public Facilities Ordinance (APFO), the Subdivision Staging Policy tests the adequacy of several types of public facilities: transportation; schools; water and sewerage facilities; and police, fire, and health services. Copies of the County's currently approved Subdivision Staging Policy may be obtained directly from the M-NCPPC website.

Functional Plans

Functional plans anticipate needs for government functions and services ranging from provision of water and sewerage to solid waste disposal, libraries, parks and recreation, and fire and rescue services. Other studies assess future educational, health, and human services needs. These plans are analyzed for likely new facilities or service delivery requirements and their potential operating costs which will eventually add to annual operating budgets.

Public Input

The five local Citizens' Advisory Boards are encouraged to provide the County Executive with their development priorities during the preparation of each CIP. The County Council holds public hearings after receipt of the County Executive's Recommended CIP before deliberations on the program begin. All Council worksessions are public, and residents are encouraged to attend to present their views.

Maryland Economic Growth, Resource Protection and Planning Act

The Maryland Economic Growth, Resource Protection and Planning Act requires local governments to review all construction projects that involve the use of State funds, grants, loans, loan guarantees, or insurance for consistency with existing local plans. The County Executive or the requesting agency affirms that all projects which are expected to receive

State financial participation conform to relevant local plans. This language appears in the "Disclosures" portion of the relevant project description forms.

County Council and Planning Board Review

During the Council review process, the Planning Board provides comments to the Council regarding conformance with local plans, and a final determination as to consistency of projects with adopted County plans is made by the County Council. The Council adopts the CIP and approves a list of applicable State participation projects.

Fiscal Policies

Prior to considering specific projects for inclusion in the Capital Improvements Program, Montgomery County develops projections of total resources available to the County as a whole, and to the CIP as a subset of the whole. A variety of assumptions underpin these projections.

Economic Assumptions

Revenue projections depend largely on assumptions regarding economic activity, including employment, income, inflation, interest rates, construction, home sales, and other economic conditions.

Demographic Assumptions

The CIP is based on demographic assumptions resulting from the Metropolitan Council of Governments (COG) Round 8.3 estimates as projected by M-NCPPC. This forecast predicts that the County will continue to experience steady population growth. Besides general population changes, demographic forecasts anticipate a strong growth phase for elementary school enrollment, while middle school and high school enrollments are following close behind as the swell of elementary students age.

Debt Capacity

To maintain its AAA bond rating, the County considers the following guidelines in deciding how much additional County general obligation debt may be issued in the six-year CIP period.

- Total debt, both existing and proposed, should be kept at about 1.5 percent of full market value (substantially the same as assessed value) of taxable real property in the County.
- Required annual debt service expenditures should be kept at about ten percent of the County's total tax supported operating budget. The tax supported operating budget excludes proprietary funds and grants.
- Total debt outstanding and annual amounts issued, when adjusted for inflation, should not cause real debt per capita (i.e., after eliminating the effects of inflation) to rise significantly.
- The rate of repayment of bond principal should be kept at existing high levels and in the 60-75 percent range during any 10-year period.
- Total debt outstanding and annual amounts proposed should not cause the ratio of per capita debt to per capita income to rise significantly above its current level of about 3.5 percent.

The debt capacity schedule is displayed later in the Debt Service section.

Spending Affordability Assumptions

The County Charter (Section 305) requires that the Council adopt spending affordability guidelines for the capital and operating budgets. Spending affordability guidelines for the CIP have been interpreted in County law to be limits on the amount of general obligation debt and Park and Planning debt that may be approved for expenditure in the CIP. Spending affordability guidelines are adopted in odd-numbered calendar years, and limit the amount of general obligation debt that may be approved for the first year, the second year, and for the entire six years of the CIP. Similar provisions cover the bonds issued by M-NCPPC.

The Montgomery and Prince George's County Councils adopt one-year spending limits for Washington Suburban Sanitary Commission (WSSC). These spending control limits include guidelines for new debt and annual debt service.

General Obligation Debt Limits

General obligation debt usually takes the form of bond issues. General obligation debt pledges general tax revenue for repayment. Montgomery County has maintained a AAA rating, the highest quality rating available, for its general obligation bonds. This top rating by Wall Street rating agencies, enjoyed by very few local governments in the Country, assures Montgomery County of a ready market for its bonds and the lowest available interest rates on that debt.

IMPACT OF CAPITAL PROGRAM ON THE OPERATING BUDGET

Most capital improvement projects generate future operating budget costs in one or more of three ways: debt service; current revenues that fund projects not eligible for debt financing, and PAYGO which offsets the need to issue debt; and changes to the Operating Budget to support new or renovated facilities.

Debt Service

The annual payment of principal and interest on general obligation bonds and other long-term and shorter-term debt used to finance roads, schools, and other major projects is included in the operating budget as a required expenditure. The FY19 tax-supported debt service, as displayed later in the Debt Service section, is approximately \$413.4 million.

Current Revenue and PAYGO

Certain CIP projects are funded directly with County current revenues to avoid costs of borrowing. These amounts are included in the operating budget as specific transfers to individual projects within the capital projects fund. PAYGO, or "pay as you go" funding, is an additional amount included in the operating budget as a direct bond offset to reduce the amount of borrowing required for project financing. The FY19 Current Revenue and PAYGO are displayed in Schedule A-3 and approximate \$97.2 million.

Operating Budget Impacts (OBI)

The construction of government buildings and facilities usually results in new annual costs for maintenance, utilities, and additional staffing required for facility management and operation. Whenever a new or expanded facility involves program expansion, as with new school buildings, libraries, or fire stations, the required staffing and equipment (principals, librarians, fire apparatus) represent additional operating budget expenditures.

The CIP includes analysis of these operating budget impacts to aid in review and decisions on the timing of public facilities and to more clearly show what a new building or road will cost in addition to its construction costs and any required debt

service. The project description forms published in the Recommended FY19-24 CIP, display operating budget impacts of individual projects where applicable. The following chart summarizes the impact of the Recommended FY19-24 CIP on the operating budget expenditures of the related departments.

**COUNTY GOVERNMENT OPERATING BUDGET IMPACTS BY
DEPARTMENT AND FUND (\$000s)**

Fund/Department	FY19	FY20	FY21	FY22	FY23	FY24
County General Fund						
General Service & Transportation	3,115	2,472	2,103	820	1,040	1,141
Health and Human Services	289	1,243	1,273	1,273	1,273	1,273
Police	865	865	865	865	865	1,249
Public Libraries	2,019	2,927	2,871	2,871	2,871	2,871
Mass Transit						
Transit Services	1,864	1,864	1,864	1,864	1,864	1,864
Fire						
Fire and Rescue Service	160	285	285	1,365	1,272	1,272
Recreation						
Recreation	837	837	2,800	2,800	2,800	2,800
Water Quality Protection Fund						
Environmental Protection	97	436	1,930	216	246	261
Total	9,246	10,929	13,991	12,074	12,231	12,731

PROJECT COST PROJECTIONS

Departments and agencies estimate the cost of each proposed capital project in current dollars. For the most part, County agencies use contracted cost estimators to develop project costs, and those estimates are reviewed and verified by County staff. Recent cost changes for construction commodities have been included, and projects are escalated to the mid-point of construction. Inflation is estimated separately, and funds are set aside to allow for inflation-driven cost increases in later years. During each even-numbered calendar year, all existing and proposed projects are reviewed centrally for changes to cost, scope and timing, and adjusted as necessary.

The County Charter (Section 307) provides for supplemental appropriations to address interim project cost increases. Unappropriated resources are set aside during the fiscal planning process to fund potential cost increases or for new projects which address urgent needs.

REVENUE SOURCES

The major revenue sources for the Capital Improvements Program are described in the Fiscal Policy section of the County Executive's Recommended CIP. There are four major types of revenue sources for the capital improvements program: current

revenues (including PAYGO, and recordation taxes); proceeds from bonds and other debt instruments; impact taxes paid to support increased transportation and school capacity needed as a result of development; and grants, contributions, reimbursements, or other funds from intergovernmental and other sources. In some cases, where both a public and a private goal may be achieved, the County enters partnerships with the private sector to finance and construct public facilities.

The specific funding sources for all expenditures are identified on each individual capital project description form.

Current Revenues

Current revenues from the General Fund are used for designated projects which involve broad public use and which fall outside any of the specialized funds. Generally, current revenues are used for the planning of capital projects.

PAYGO is current revenue set aside annually in the operating budget, but not appropriated. PAYGO is used to replace bonds for debt-eligible expenditures ("pay-as-you-go" financing) or when projects are not debt eligible or not eligible for tax-exempt financing. The County generally allocates PAYGO of at least ten percent of general obligation bonds planned for issue each year.

Bond Issues and Other Public Agency Debt

Bonds are used to spread the cost of construction of a public facility over time, such that those who benefit from it over time share in the costs. The County government and four of its Agencies are authorized by State law and/or County Charter to issue debt to finance CIP projects. This debt may be either general obligation or self-supporting debt.

County government general obligation bonds are issued for a wide variety of functions such as transportation, public schools, community college, public safety, and other programs. These bonds are legally-binding general obligations of the County and constitute an irrevocable pledge of its full faith and credit and unlimited taxing power. The money to repay general obligation debt comes primarily from general revenues, except that debt service on general obligation bonds, if any, issued for projects of Parking Districts, Liquor, or Solid Waste funds is supported from the revenues of those enterprises.

M-NCPPC is authorized to issue general obligation bonds, also known as Park and Planning bonds, for the acquisition and development of local and certain special parks and advance land acquisition, with debt limited to that supportable within tax rates established for the Commission.

County Revenue Bonds are bonds authorized by the County to finance specific projects such as parking garages and solid waste facilities, with debt service to be paid from pledged revenues received in connection with the projects. Proceeds from revenue bonds may be applied only to costs of projects for which they are authorized. They are considered separate from general obligation debt and do not constitute a pledge of the full faith and credit or unlimited taxing power of the County.

County revenue bonds have been used in the Bethesda and Silver Spring Parking Districts, supported by parking fees and fines together with parking district property taxes. County revenue bonds have also been issued for County Solid Waste Management facilities, supported with the revenues of the Solid Waste Disposal system.

The Montgomery County Revenue Authority has authority to issue revenue bonds and to otherwise finance projects through notes and mortgages with land and improvements serving as collateral. These are paid through revenues of the Authority's several enterprises, which include golf courses and the Montgomery County Airpark.

The County also uses the Revenue Authority as a conduit for alternative CIP funding arrangements for swim centers and the construction of the Montgomery County Conference Center. The County has entered into long-term leases with the Revenue Authority, and the County lease payments fund the debt service on these Revenue Authority bonds.

Other specialized bonds are used to finance a variety of public infrastructure, including water distribution and sewage

collection lines and required support facilities, stormwater management, and affordable housing. These bonds are paid from non-tax sources including user charges and mortgages, which also cover all operating costs.

Intergovernmental Revenues

CIP projects may be funded in whole or in part through grants, matching funds, or cost sharing agreements with the Federal government, the State of Maryland, the County's incorporated municipalities, or regional consortia such as the Washington Metropolitan Area Transportation Authority (WMATA), Washington Suburban Sanitary Commission (WSSC), and the Washington Area Sewer Authority (WASA).

Federal Aid. Major projects that involve Federal aid include Metro, commuter rail, interstate highway interchanges, bridges, and various environmental construction or planning grants. Most Federal aid is provided directly to the State, and then redistributed to local jurisdictions.

Community Development Block Grant (CDBG) funds are received through annual formula allocations from the U.S. Department of Housing and Urban Development in response to a County application and are used for neighborhood improvements and facilities in areas where there is significant building deterioration, economic disadvantage, or other need for public intervention in the cycles of urban growth and change.

State Aid includes grants, matching funds, and reimbursements for eligible County expenditures for local projects in public safety, environmental protection, health and human services, courts and criminal justice, transportation, libraries, parkland acquisition and development, community college, and public school construction.

Municipal Financing. Some projects with specific benefits to an incorporated municipality within the County may include funding or other financing from that jurisdiction. Incorporated towns and municipalities, specifically Rockville, Gaithersburg, and Poolesville, have their own capital improvements programs and may participate in County projects where there is shared benefit.

Other Revenue Sources

The use of other revenue sources to fund CIP projects is normally conditioned upon specific legislative authority or project approval, including approval of appropriations for the projects. Approval of a project may be contingent upon actual receipt of the revenues planned to fund it, as in the case of private contributions that are not subject to law or agreement.

EXAMPLES OF CAPITAL PROJECTS

The CIP addresses the County's needs for basic infrastructure, education, transportation, and other critical facilities in the following ways:

A Responsive and Accountable County Government.

- The County Executive's recommended FY19-24 CIP includes capital investments to bring WiFi to all County government buildings by the end of FY19.
- Continue funding for the ultraMontgomery project to ensure the County remains technologically ready to serve as a center for research, innovation, education, and economic development, including investments to improve the availability of fiber networks in the White Oak Science Gateway, connections to the Ashburn Data Center, and greater inter connectivity of networks along US Route 29.

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- Sustain growth in the FiberNet network by reaching 538 locations in FY17. Based on the current funding program, FiberNet is scheduled to reach 563 locations by the end of FY18; 581 locations by the end of FY19; and 591 locations by the end of FY20.
 - Continue to expand the user base of the FiberNet project which currently serves a variety of facilities including traffic signals and cameras, wine and liquor stores, schools, major campus networks and large multi-story office buildings with the goal of constructing inter-jurisdictional network connections.
 - Continue to replace aging County building roof systems, parking lots, HVAC and electrical systems, and elevators.
 - Increase funding for HVAC replacement to comply with new Clean Air Act refrigerant requirements.
 - Increase funding for Life Safety Systems to replace an obsolete Fire Alarm system in the Judicial Center, Judicial Center Annex, and Executive Office Building.

Affordable Housing in an Inclusive Community

- Provide an additional \$33 million for the Affordable Housing Acquisition and Preservation program, exceeding by \$110 million the County's goal of providing \$100 million in funding for public/private partnerships to maintain and grow the stock of affordable housing for low income residents, including the senior population.
- Continue commercial revitalization in the Colesville/New Hampshire Avenue corridor and the Burtonsville community to support existing small businesses and create new opportunities for private investment.
- Continue funding to support public housing improvements through the Supplemental Funds for Deeply Subsidized HOC Owned Units Improvements project.
- Complete the sprinkler systems for HOC Elderly Properties and the Capital Needs for 236 Funded Elderly Properties projects in FY18. Work completed includes installation of fire alarm and sprinkler systems as well as upgrading the emergency generator and the heating, ventilation, and air conditioning (HVAC) system.
- Begin demolition of the Ambassador Apartment and Emory Grove Village in FY18 to alleviate blight on the surrounding communities.

An Effective and Efficient Transportation Network

- Construct the south entrance for the Bethesda Metrorail Station in coordination with the Purple Line project.
- Support the Purple Line project which will provide significant economic and east-west mobility benefits.
- Design and construct Bus Rapid Transit (FLASH) on US 29 and continue planning for the MD 355 corridor.
- Replace 39 Ride On buses in Fiscal Year 2019.
- Continue funding for the design for Observation Drive Extended, a north-south road extension of existing Observation Drive, connecting north Germantown to Clarksburg.
- Support the redevelopment of White Flint and continue funding of \$163.5 million for the planning and design, land acquisition, and construction of roadway improvements in the White Flint Eastern and Western Workarounds through the White Flint District East: Transportation; White Flint District West: Transportation; and the White Flint West Workaround projects.
- Continue funding of Goshen Road South and Montrose Parkway East to support the Gaithersburg/Montgomery Village area and improve traffic in the White Flint area.
- Complete the construction of Snouffer School Road and Snouffer School Road North (Webb Tract) to improve traffic congestion and safety in support of the proposed Multi-Agency Service Park (MASP) as part of the County's Smart Growth Initiative.
- Complete the construction of East Gude Drive Roadway Improvements and Seminary Road Intersection Improvements.

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- Continue partnerships with developers to support development in the Clarksburg area through the Clarksburg Transportation Connections, Subdivision Roads Participation, and State Transportation Participation projects.
 - Continue inclusion of pedestrian and bike facilities in major road projects.
 - Increase annual funding for the Permanent Patching: Residential/Rural Roads; Residential and Rural Road Rehabilitation; Resurfacing: Primary/Arterial; and the Resurfacing: Residential/Rural Roads projects to prevent deterioration and prevent more costly rehabilitation work. In FY19 alone, \$18.1 million in increased funding has been recommended for these critical investments.
 - Continue efforts to resurface park bridges, replace sidewalk and curbs, and preserve street trees.
 - Increase annual funding for Intersection and Spot Improvements, Pedestrian Safety Program, and Traffic Signals to support the Vision Zero initiative.
 - Increase funding in Streetlighting to upgrade approximately 26,000 streetlight fixtures to light-emitting diodes (LED) through an energy savings performance contract.
 - Continue efforts to modernize the central traffic signal control system to provide additional capabilities and tools to optimize traffic flow.
 - Continue efforts to provide guardrails and to enhance pedestrian and traffic safety.
 - Construct new protected bicycle lanes in Downtown Bethesda to be known as the "Bethesda Circle."
 - Construct new sidewalks along Good Hope Road including a pedestrian bridge at the intersection of Hopefield Road and along Oak Drive from the southern intersection with MD 27 to John T. Baker Middle School.
 - Increase funding for the Bikeway Minor Projects Program to provide more substantial construction improvements.
 - Continue funding of two Purple Line-related projects: Capital Crescent Trail and the Silver Spring Green Trail.
 - Continue funding of the Metropolitan Branch Trail including a grade-separated bridge over Georgia Avenue; MD 355 Crossing (BRAC); and MD 355-Clarksburg Shared Use Path.
 - Complete the construction of Frederick Road Bike Path, Franklin Avenue Sidewalk, and MacArthur Boulevard Bikeway Improvements.
 - Replace the failing Beach Drive Bridge over Silver Creek and rehabilitate the Brighton Dam Road Bridge to enhance safe travel and the integrity of the dam. The Brighton Dam project will be funded in part by contributions from Howard County and the Washington Suburban Sanitary Commission.
 - Acquire land and begin construction of a new Dorsey Mill Road Bridge to provide an east-west connection between Century Boulevard on the west side of I-270 with Observation Drive on the east side of I-270.
 - Begin design of the Montevideo Road and Zion Road bridges and provide funding for emergency renovations to culverts on River Road, Belfast Road, Falling Creek Drive and to repair 25 other failing culverts.
 - Maintain funding for previously approved Dennis Avenue Bridge and the Bridge Preservation Program.

Children Prepared to Live and Learn

Montgomery County Public Schools:

- Allocate \$1,751.2 million to increase funding by \$7.5 million above the amended FY17-22 level - the recommended CIP's largest expenditure category and the County Executive's highest priority. This level of funding will support new schools, school additions, and renovations as well as provide significant investment in countywide infrastructure.
- Maintain funding for MCPS' countywide infrastructure projects including HVAC, roof replacements, school security systems, indoor air quality, and life-cycle asset replacement.
- Support the Board of Education's new approach to the Renovation/Expansion program to provide more timely, cost-effective school renovations.

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- Fund County projects which support MCPS initiatives to bolster at risk children and their families, including Linkages to Learning Centers at Maryvale Elementary School and a High School Wellness Center at John F. Kennedy High School.
 - Other CIP projects which benefit MCPS' programs include: Pedestrian Safety Program, Transportation Improvements for Schools, FiberNet, Ballfields Initiatives (M-NCPPC), the Kennedy Shriver Aquatic Center Building Envelope Improvement, as well as the recently completed MCPS & M-NCPPC Maintenance Facilities Relocation project.

Montgomery College:

- Equip the Rockville Student Services Center in FY19 to complete the building, giving students a one-stop shop for services on the Rockville campus.
- Complete design and begin constructing the Takoma Park/Silver Spring Math & Science Center to address space deficits and improve math and science instruction for students.
- Design and renovate the Rockville, Takoma Park/Silver Spring, and Germantown libraries starting in FY23 to address building system issues and add private and collaborative study space.
- Continue the Collegewide Physical Education Renovations project to improve facilities and address Title IX issues.
- Complete the Germantown Science and Applied Studies Phase I Renovation project to expand science classroom space on the Germantown Campus.
- Construction of the Germantown Student Services building enters the six-year period, with design programmed in FY22 and construction to start in FY24. This facility will create a one-stop shop for student services on the Germantown Campus.
- Maintain support for campus infrastructure projects such as Elevator Modernization, Roof Replacement, and ADA Compliance.

Healthy and Sustainable Communities

- Continue the planning and implementation of stormwater controls, public outreach, stream monitoring, and other actions needed to comply with the County's National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS-4) permit, which will significantly enhance the County's efforts to improve water quality in local streams and ultimately the Chesapeake Bay. To date, the County has restored close to 2,900 acres of impervious area.
- Expand the use of Public-Private Contracts and Partnerships through a new CIP project to meet the MS-4 permit goals in a more cost-effective manner.
- Construct new stormwater management facilities and retrofit old stormwater controls to prevent property damage, improve water quality, and protect habitat.
- Perform major structural repairs on public and private stormwater facilities accepted into the County's maintenance program.
- As part of the County's leading efforts to improve water quality, continue to repair or replace failed storm drain outfalls, pipes, and culverts.
- Begin remediation of environmental contamination at the Gude Landfill in FY20. Construction will be completed in FY22.
- Create a new Child Care Renovations project to fund Americans with Disabilities Act (ADA) remediation of playgrounds and child care facilities. The project will also fund the replacement of modular child care facilities at various County locations.
- Maintain funds to construct a replacement facility for the existing Avery Road Treatment Center through a public-private partnership with assistance from the State.

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- Add funds to design a High School Wellness Center (HSWC) at John F. Kennedy High School.
 - Vision Zero - improves trail crossings throughout the County as part of the County's Vision Zero action plan to reduce traffic fatalities and injuries.
 - Park Refreshers - implements small scale renovations in a more timely and cost-efficient manner than large standalone projects.
 - Wheaton Regional Park Improvements - renovates aging infrastructure.
 - Increased State Program Open Space funds to reflect improved revenue forecasts and a statutory change which restricts the State's ability to divert these funds.
 - Funding for acquisition of park land to address the high costs of urban land and the implementation of the draft Energizing Public Spaces Functional Master plan.
 - Continue funding for Hard Surface Trail Renovations, Enterprise Facility Improvements, Energy Conservation, ADA Compliance, Planned Lifecycle Asset Replacement, and Minor New Construction projects.
 - Continue development of capital projects aimed to resolve issues in water and sewer management including the Piscataway Bio Energy Project to address biosolids management, and the Advanced Metering Infrastructure (AMI) to improve billing efficiency, leak detection, system-wide monitoring, and allow monthly billing.
 - Continue a high level of water and sewer line infrastructure reconstruction replacing and rehabilitating 45 miles of water mains and 20 miles of sewer mains in FY19.
 - Continue to address the consent order with the Maryland Department of the Environment (MDE) related to the rehabilitation of sewer mains and manholes located in Environmentally Sensitive Areas (ESAs). As of FY19, all construction contracts related to the consent order have been awarded.
 - Continue to support operations at DC Water's facility in Blue Plains.

Safe Streets and Secure Neighborhoods

- Design and construct a new White Flint Fire Station to replace Rockville Station # 23 to support the White Flint community.
- Complete design and construct a permanent Clarksburg Fire Station, including the design and construction of the sewer for Historic Clarksburg.
- Complete reconstruction of the expanded Kensington (Aspen Hill) Fire Station # 25.
- Continue apparatus replacement. The apparatus replacement program provides a steady stream of CIP funding to meet critical apparatus replacement needs. During the six-year period, it is anticipated that the following units will be replaced: 5 aerials, 37 EMS units, 22 engines, 2 all-wheel drive brush/wildland pumpers, 5 rescue squads, and 1 tanker.
- Support planning funding for the renovation of the Glen Echo Fire Station and Rockville Fire Station # 3 projects.
- Continue to fund level-of-effort/ongoing maintenance projects including Life Safety Systems; Emergency Power System Upgrades; Heating, Ventilation, and Air Conditioning/Electrical Replacement; Resurfacing paved areas; and Roof Replacement.
- Within the General Government section of the CIP, funds are included to upgrade and modernize the Public Safety Communications System and Fire Station Alerting System.
- Renovate and purchase the Public Safety Communications Center to ensure a high-quality emergency response system for County residents and reduce leasing costs.
- Construct a new 6th District Police Station in the Gaithersburg area to enhance the level of policing available to Gaithersburg and Montgomery Village and reduce leasing costs.
- Add the Outdoor Firearms Training Center to Facility Planning so that improvements to the police officers' firearms training facility can be planned.

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- Complete construction of the Pre-Release Center's kitchen and dining area renovation and addition project at the County's Pre-Release Center.
 - Provide placeholder funding while staff develops State and local agency partnerships to financially and programmatically support a Central Processing/Detention Unit as well as a Restoration Center for offenders with mental illness and/ or substance abuse who are appropriate to be diverted from incarceration at the Criminal Justice Center.

A Strong and Vibrant Economy

- Construction of the Wheaton Redevelopment office building and town square started in June 2017. The project remains on-schedule with a scheduled completion date of Spring 2020. Excavation for the office building and garage foundations is scheduled to be completed in Winter 2018.
- Provide funding to leverage State resources for the retention and expansion of the global headquarters of Marriott International Inc. and a new hotel in Montgomery County.
- Provide marketing and technical assistance to local businesses impacted by construction of the Purple Line in the Long Branch Sector Plan Area.
- Continue funding for planning, design, and public infrastructure associated with the redevelopment of the White Oak Science Gateway Master Plan.
- Continue funding to support the redevelopment in the White Flint Sector Plan Area.
- Complete construction of the Conference Center Garage at the North Bethesda Conference Center by Summer 2018.
- Completed construction of the following projects at the Webb Tract site on Snouffer School Road:
 - A state of the art Public Safety Academy better suited to today's training needs.
 - The MCPS and M-NCPPC Maintenance facility which is a larger, more efficient co-located maintenance facility for MCPS and M-NCPPC's operations.
- Funding for the redevelopment of the old Public Safety Training Academy (PSTA) site at Great Seneca.
- Utilize a variety of revenue sources, including developer contributions to purchase agricultural and conservation easements to further protect land where development rights have been retained in the Rural Density Transfer Zone.

Vital Living for All of Our Residents

- Complete "refresh" renovations of the Bethesda and White Oak libraries. The Twinbrook, Quince Orchard, Aspen Hills, Kensington Park, Davis, and Little Falls libraries are already completed. The County Executive Recommended FY19-24 CIP includes the completion of twelve additional library refreshes.
- Plan and construct refresh projects at the Long Branch, Marilyn Praisner, and Maggie Nightingale Libraries by FY19.
- Continue implementation of the 21st Century Library Enhancements project to allow the Department of Public Libraries to respond to customer demands and library trends that require changes in the equipment and related furnishings of library buildings.
- Complete construction of a combined Library and Community Recreation Center in Wheaton expected by Spring FY19.
- Fund costs through schematic design for a new library in the Clarksburg area.
- Completion of the Good Hope Neighborhood Recreation Center with a performing arts element is expected by 2018.
- Fund construction of the South County Regional Recreation and Aquatic Center with completion anticipated in FY21.
- Add a new project to renovate the Martin Luther King Indoor Swim Center to significantly upgrade and replace major building systems, including roof, HVAC, and pool filtration and pump systems, along with accessibility improvements with estimated completion in FY20.

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- Repair and replace masonry, windows, and other building envelope components of the Eunice Kennedy Shriver and Sargent Shriver Aquatic Center.
 - Planned construction of the Wall Park Garage and Park Improvements with completion anticipated in late FY19.
 - Include funding to help purchase a building for the Kids International Discovery (KID) Museum.
 - Continue facility planning work on the Recreation Modernization Project to renovate the Martin Luther King, Jr. Indoor Swim Center, Gwendolyn Coffield Community Recreation Center, Margaret Schweinhaut Senior Center, and Clara Barton Neighborhood Recreation Center.
 - Continue to pursue State funding for the Poolesville Economic Development Project to support economic growth, agriculture, education, and workforce training in the region.
 - Add two new projects to purchase the Leet-Melbrook and Merchant Tire properties to implement the next phase of the Montgomery County Airpark Airport Layout Plan and the Airport Capital Improvement Plan.

EXPLANATION OF THE CHART WHICH FOLLOWS

Expenditure Summary by Category and Sub-Category

This is a program expenditure summary report for the County Executive's Recommended FY19-24 CIP, as recommended on January 16. That document contains project description forms for each capital project which include a description, programmed expenditures, and funding sources.

All Agency Funding Summary

This is a summary report listing recommended funding support from all sources for the County Executive's Recommended FY19-24 CIP, as recommended on January 16. That document contains project description forms for each capital project which include a description, programmed expenditures, and funding sources.



Expenditure Summary Category and Subcategory

Expenditure Summary Category and Subcategory (\$000s)

	Total	Thru FY17	Est FY18	6 Yr Total	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Yrs	FY 19 Approp.
GENERAL GOVERNMENT												
County Offices and Other Improvements	785,625	389,766	135,554	260,305	70,186	41,894	46,075	37,162	36,568	28,420	-	(5,843)
Economic Development	300,325	53,945	58,980	187,400	84,490	68,647	17,075	16,196	496	496	-	56
Other General Government	53,987	6,241	11,962	24,100	4,000	4,000	4,000	4,000	4,000	4,100	11,684	-
Technology Investment Fund	2	-	2	-	-	-	-	-	-	-	-	-
Technology Services	106,242	66,881	13,634	25,727	4,520	4,430	4,249	4,176	4,176	4,176	-	4,520
GENERAL GOVERNMENT TOTAL	1,246,181	516,833	220,132	497,532	118,971	71,399	61,534	45,240	37,192	11,684	(1,267)	
PUBLIC SAFETY												
Correction and Rehabilitation	19,217	9,199	4,470	5,548	2,642	1,538	1,368	-	-	-	-	55
Fire/Rescue Service	230,468	55,055	61,689	113,724	14,143	18,815	35,415	24,187	10,724	10,440	-	29,457
Other Public Safety	417,976	412,304	5,672	-	-	-	-	-	-	-	-	(159)
Police	106,245	62,869	9,602	33,547	8,175	175	-	508	15,355	9,334	227	7,963
PUBLIC SAFETY TOTAL	773,906	539,427	81,433	152,819	24,960	36,783	24,695	26,079	19,774	227	37,316	
TRANSPORTATION												
Bridges	118,798	35,084	23,565	37,049	6,879	7,110	5,581	3,695	6,644	7,140	23,100	8,363
Highway Maintenance	580,581	308,779	46,602	225,200	33,950	34,550	36,300	38,800	40,800	40,800	-	33,750
Mass Transit (MCG)	877,602	478,527	121,362	277,713	81,045	53,390	49,551	39,333	28,164	26,230	-	80,018
Parking	118,282	64,815	16,371	37,096	8,516	5,847	5,292	5,547	5,947	5,947	-	8,613
Pedestrian Facilities/Bikeways	408,726	96,660	54,862	191,158	56,404	57,584	25,370	15,111	20,715	15,974	66,046	27,352
Roads	1,031,107	339,396	89,893	265,223	41,476	36,280	46,112	36,755	50,312	54,288	336,595	14,229
Traffic Improvements	262,294	132,465	23,661	106,168	23,563	23,251	14,407	14,407	15,270	15,270	-	20,932
TRANSPORTATION TOTAL	3,397,390	1,455,726	376,316	1,139,607	251,833	218,012	182,613	153,648	167,852	165,649	425,741	193,257
HEALTH AND HUMAN SERVICES												
Health and Human Services	78,941	49,725	8,714	20,502	6,995	3,507	1,250	1,250	3,750	3,750	-	61
HEALTH AND HUMAN SERVICES TOTAL	78,941	49,725	8,714	20,502	6,995	3,507	1,250	1,250	3,750	3,750	-	61
CULTURE AND RECREATION												
Libraries	182,950	88,800	63,939	30,211	8,327	3,950	3,950	3,950	5,014	5,020	-	1,153
Recreation	185,709	80,648	29,067	74,408	29,747	29,754	11,299	1,278	1,190	1,140	1,586	20,297

Expenditure Summary Category and Subcategory (\$000s)

	Total	Thru FY17	Est FY18	6 Yr Total	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Yrs	FY 19 Approp.
CULTURE AND RECREATION TOTAL	368,659	169,448	93,006	104,619	38,074	33,704	15,249	5,228	6,204	6,160	1,586	21,450
CONSERVATION OF NATURAL RESOURCES												
Ag Land Preservation	10,793	6,661	870	3,262	538	540	542	545	547	550	-	538
Storm Drains	50,520	29,428	4,256	16,836	2,806	2,806	2,806	2,806	2,806	2,806	-	2,806
Stormwater Management	386,022	92,654	47,521	245,847	55,022	51,763	32,145	37,046	35,424	34,447	-	13,010
CONSERVATION OF NATURAL RESOURCES TOTAL	447,335	128,743	52,647	265,945	58,366	55,109	35,493	40,397	38,777	37,803	-	16,354
COMMUNITY DEVELOPMENT AND HOUSING												
Community Development	11,835	5,628	2,927	3,280	1,105	925	875	125	125	125	-	-
Housing (MCG)	210,025	118,991	58,034	33,000	16,000	17,000	-	-	-	-	-	16,000
COMMUNITY DEVELOPMENT AND HOUSING TOTAL	221,860	124,619	60,961	36,280	17,105	17,925	875	125	125	125	-	16,000
M-NCPPC												
Acquisition	170,262	94,105	13,571	60,900	8,650	8,650	10,150	10,150	11,650	11,650	1,686	7,650
Development	335,893	100,219	49,208	156,135	29,735	30,857	27,869	23,596	23,096	20,982	30,331	28,624
M-NCPPC TOTAL	506,155	194,324	62,779	217,035	38,385	39,507	38,019	33,746	34,746	32,632	32,017	36,274
REVENUE AUTHORITY												
Golf Courses	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous Projects (Revenue Authority)	17,450	-	-	17,450	5,200	7,250	2,500	2,500	-	-	-	-
REVENUE AUTHORITY TOTAL	17,450	-	-	17,450	5,200	7,250	2,500	2,500	-	-	-	-
MONTGOMERY COUNTY PUBLIC SCHOOLS												
Countywide	2,629,402	1,334,431	225,472	1,011,000	287,368	209,010	162,846	122,700	92,837	136,239	58,499	224,591
Individual Schools	1,195,775	307,962	68,441	819,372	76,132	140,597	185,082	176,752	163,118	77,691	-	163,960
Miscellaneous Projects	(82,162)	-	(3,019)	(79,143)	(52,865)	(49,999)	(63,010)	(26,562)	40,664	72,629	-	(57,875)
MONTGOMERY COUNTY PUBLIC SCHOOLS TOTAL	3,743,015	1,642,393	290,894	1,751,229	310,635	299,608	284,918	272,890	296,619	286,559	58,499	330,676
SOLID WASTE-SANITATION												
Solid Waste Management	28,700	-	1,000	27,700	500	8,400	12,300	6,500	-	-	-	500
SOLID WASTE-SANITATION TOTAL	28,700	-	1,000	27,700	500	8,400	12,300	6,500	-	-	-	500
MONTGOMERY COLLEGE												
Higher Education	955,125	517,804	113,571	281,192	41,561	36,829	50,725	68,605	27,213	56,259	42,558	32,266
MONTGOMERY COLLEGE TOTAL	955,125	517,804	113,571	281,192	41,561	36,829	50,725	68,605	27,213	56,259	42,558	32,266
HOUSING OPPORTUNITIES COMMISSION												
Housing (HOC)	90,957	19,956	62,301	8,700	1,850	1,850	1,250	1,250	1,250	1,250	-	1,250

Expenditure Summary Category and Subcategory (\$000s)

	Total	Thru FY17	Est FY18	6 Yr Total	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Yrs	FY 19 Approp.
HOUSING OPPORTUNITIES COMMISSION	90,957	19,956	62,301	8,700	1,850	1,850	1,250	1,250	1,250	1,250	-	1,250
TOTAL												

Total	Thru FY17	Est FY18	6 Yr Total	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Yrs	FY 19 Approp.
11,875,674	5,358,998	1,423,754	4,520,610	958,660	861,200	733,374	672,368	647,855	647,153	572,312	684,137



All Agency Funding Summary

All Agency Funding Summary (\$000s)

	Total	Thru FY17	Est FY18	6 Yr Total	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Yrs
Aging Schools Program	6,068	5,464	604	-	-	-	-	-	-	-	-
Agricultural Transfer Tax	2,315	967	148	1,200	200	200	200	200	200	200	-
Bond Premium	-	-	-	-	-	-	-	-	-	-	-
Certificates of Participation	2,700	2,673	27	-	-	-	-	-	-	-	-
Community Development Block Grant	893	889	4	-	-	-	-	-	-	-	-
Contributions	78,961	50,170	15,278	13,513	7,022	3,000	750	950	891	900	-
Current Revenue: Cable TV	79,292	40,419	13,146	25,727	4,520	4,430	4,249	4,176	4,176	4,176	-
Current Revenue: Economic Development Fund	11,000	-	-	11,000	-	-	5,500	5,500	-	-	-
Current Revenue: Enterprise (M-NCPPC)	22,712	1,621	2,566	18,525	4,125	8,000	6,000	400	-	-	-
Current Revenue: Fire	40,965	9,465	3,027	28,473	2,394	5,616	5,116	5,116	5,116	5,115	-
Current Revenue: General	879,073	456,769	81,408	338,896	57,461	55,962	56,997	50,671	58,991	58,814	2,000
Current Revenue: Liquor	157	92	65	-	-	-	-	-	-	-	-
Current Revenue: M-NCPPC	3,935	646	1,189	2,100	350	350	350	350	350	350	-
Current Revenue: Mass Transit	184,312	19,510	31,104	132,918	38,859	16,695	17,020	9,695	26,224	24,425	780
Current Revenue: Montgomery Housing Initiative	4,775	2,500	2,275	-	-	-	-	-	-	-	-
Current Revenue: Motor Pool	550	-	550	-	-	-	-	-	-	-	-
Current Revenue: Parking - Bethesda	27,012	4,870	4,692	17,450	3,155	2,990	2,435	2,690	3,090	3,090	-
Current Revenue: Parking - Montgomery Hill	100	100	-	-	-	-	-	-	-	-	-
Current Revenue: Parking - Silver Spring	34,090	6,707	8,679	18,704	5,204	2,700	2,700	2,700	2,700	2,700	-
Current Revenue: Parking - Wheaton	1,746	284	520	942	157	157	157	157	157	157	-
Current Revenue: Permitting Services	25,000	-	20,991	4,009	4,009	-	-	-	-	-	-
Current Revenue: Recreation	620	620	-	-	-	-	-	-	-	-	-
Current Revenue: Solid Waste Collection	421	-	421	-	-	-	-	-	-	-	-
Current Revenue: Solid Waste Disposal	38,314	20	1,718	36,576	8,787	8,989	12,300	6,500	-	-	-
Current Revenue: Urban District Bethesda	435	243	192	-	-	-	-	-	-	-	-
Current Revenue: Water Quality Protection	48,953	26,086	5,271	17,596	6,137	6,013	1,316	1,345	1,376	1,409	-
Development Approval Payment	4,800	4,202	598	-	-	-	-	-	-	-	-

All Agency Funding Summary (\$000s)

	Total	Thru FY17	Est FY18	6 Yr Total	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Yrs
Development District	-	-	-	-	-	-	-	-	-	-	-
EDAET	7,619	7,619	-	-	-	-	-	-	-	-	-
Enhancement	-	-	-	-	-	-	-	-	-	-	-
Fed Stimulus (State Allocation)	6,550	6,550	-	-	-	-	-	-	-	-	-
Federal Aid	273,474	143,548	44,049	85,877	33,979	28,321	10,257	7,236	4,484	1,600	-
Federal Stimulus	1,624	1,624	-	-	-	-	-	-	-	-	-
G.O. Bonds	5,619,439	2,765,280	556,832	1,856,287	391,973	350,151	312,859	287,851	265,635	247,818	441,040
HIF Revolving Program	140,765	105,165	16,087	19,513	4,154	15,359	-	-	-	-	-
HOC Bonds	50,000	-	50,000	-	-	-	-	-	-	-	-
Impact Tax	184,188	65,208	37,150	81,830	13,003	13,175	12,536	14,124	14,558	14,434	-
Intergovernmental	25,627	5,988	7,076	4,891	2,137	589	1,280	150	150	585	7,672
Interim Finance	11,306	-	11,306	-	-	-	-	-	-	-	-
Investment Income	1,380	539	70	771	188	190	192	195	6	-	-
Land Sale	31,887	16,887	-	15,000	-	15,000	-	-	-	-	-
Land Sale (M-NCPPC Only)	513	379	134	-	-	-	-	-	-	-	-
Land Sale: Bethesda PLD	29,160	29,160	-	-	-	-	-	-	-	-	-
Loan Repayment Proceeds	50,220	11,326	25,407	13,487	11,846	1,641	-	-	-	-	-
Long-Term Financing	427,744	18,613	31,197	377,934	111,410	85,609	51,802	43,149	43,320	42,644	-
M-NCPPC Bonds	93,808	34,421	13,338	37,430	6,497	6,497	6,347	6,191	6,031	5,867	8,619
Major Facilities Capital	8,000	4,170	2,330	1,500	1,500	-	-	-	-	-	-
Projects Fund (College)	180,070	179,772	298	-	-	-	-	-	-	-	-
PAYGO	200	200	-	-	-	-	-	-	-	-	-
POS-Stateside (M-NCPPC Only)	83,265	24,524	8,608	49,773	9,200	8,050	8,050	8,173	9,000	7,300	360
Program Open Space	9,026	8,423	603	-	-	-	-	-	-	-	-
Qualified Zone Academy Funds	778,002	319,743	68,551	389,708	62,451	61,376	60,970	64,132	67,481	73,298	-
Recordation Tax	160,740	41,013	26,441	93,286	14,911	14,673	14,634	15,382	16,172	17,514	-
Recordation Tax Premium (MCG)	59	59	-	-	-	-	-	-	-	-	-
Rental Income: General	5	5	-	-	-	-	-	-	-	-	-
Rental Income: Roads	21,250	12,216	834	8,200	2,600	5,350	125	125	-	-	-
Revenue Authority	23,424	23,424	-	-	-	-	-	-	-	-	-
Revenue Bonds	122,640	106,469	16,171	-	-	-	-	-	-	-	-
Revenue Bonds: Liquor Fund	25,798	18,798	1,000	6,000	1,000	1,000	1,000	1,000	1,000	1,000	-
Revolving Fund (M-NCPPC Only)	4,607	2,827	1,780	-	-	-	-	-	-	-	-
Revolving Fund: Current Revenue	49,580	8,253	17,327	24,000	4,000	4,000	4,000	4,000	4,000	4,000	-
Revolving Fund: G.O. Bonds	6,328	4,652	1,671	5	5	-	-	-	-	-	-
School Facilities Payment	-	-	-	-	-	-	-	-	-	-	-

All Agency Funding Summary (\$000s)

	Total	Thru FY17	Est FY18	6 Yr Total	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Yrs
Schools Impact Tax	440,445	146,381	53,521	240,543	39,592	37,370	36,534	40,579	42,676	43,792	-
Short-Term Financing	235,443	156,113	56,318	23,012	6,200	3,500	3,146	3,291	3,352	3,523	-
Short-Term Lease Financing	10,374	9,118	1,256	-	-	-	-	-	-	-	-
State Aid	977,649	370,056	124,148	462,166	81,950	73,015	77,388	85,644	64,823	79,346	21,279
State Bonds (M-NCPPC Only)	1,025	775	250	-	-	-	-	-	-	-	-
State ICC Funding (M-NCPPC Only)	3,913	2,740	1,173	-	-	-	-	-	-	-	-
Stormwater Management Waiver Fees	6,122	4,522	400	1,200	200	200	200	200	200	200	-
TEA-21	2,368	2,368	-	-	-	-	-	-	-	-	-
Transportation Enhancement Program	1,589	1,589	-	-	-	-	-	-	-	-	-
Transportation Facilities Capital Projects Fund (College)	1,500	-	500	1,000	500	500	-	-	-	-	-
Transportation Improvement Credit	1,125	1,125	-	-	-	-	-	-	-	-	-
Water Quality Protection Bonds	96,851	49,570	42,281	5,000	5,000	-	-	-	-	-	-
White Flint Special Tax District	169,773	13,469	11,174	54,568	11,984	20,532	16,964	496	1,696	2,896	90,562
Total	11,875,674	5,358,998	1,423,754	4,520,610	958,660	861,200	733,374	672,368	647,855	647,153	572,312

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