
Environmental Protection

MISSION STATEMENT

The mission of the Department of Environmental Protection (DEP) is to improve the quality of life in our community through conservation, protection, and restoration of natural resources guided by the principles of science, sustainability, and stewardship; and to provide solid waste management services, including reducing, reusing, and recycling waste in an environmentally progressive and economically sound manner.

BUDGET OVERVIEW

The total recommended FY12 Operating Budget for the Department of Environmental Protection is \$15,023,620, an increase of \$2,589,230 or 20.8 percent from the FY11 Approved Budget of \$12,434,390. Personnel Costs comprise 50.3 percent of the budget for 75 full-time positions and two part-time positions for 83.7 workyears. Operating Expenses and Capital Outlay account for the remaining 49.7 percent of the FY12 budget.

The debt service for the Water Quality Protection Fund is appropriated in the Debt Service Fund and is, therefore, not displayed in this section. To pay for the debt service, a transfer of funds from the Water Quality Protection Fund to the Debt Service Fund of \$450,000 for Water Quality Protection bonds is required.

In addition, this department's Capital Improvements Program (CIP) requires Current Revenue funding.

LINKAGE TO COUNTY RESULT AREAS

While this program area supports all eight of the County Result Areas, the following are emphasized:

- ❖ ***A Responsive, Accountable County Government***
- ❖ ***Healthy and Sustainable Neighborhoods***

DEPARTMENT PERFORMANCE MEASURES

Performance measures for this department are included below, with multi-program measures displayed at the front of this section and program-specific measures shown with the relevant program. The FY11 estimates incorporate the effect of the FY11 savings plan. FY12 and FY13 targets assume the recommended FY12 budget and FY13 funding for comparable service levels.

ACCOMPLISHMENTS AND INITIATIVES

- ❖ ***Developed a report on recommended changes to the County's codes and planning process to allow environmental site design to be implemented to the 'maximum extent practicable' as required under the MS-4 permit.***
- ❖ ***Developed a regulatory approach for protecting the County's trees, and drafted proposed legislation for submission to Council codifying the approach.***
- ❖ ***Improved County streams and protected residents by constructing or upgrading stormwater structures that control polluted runoff from 420 acres of land.***
- ❖ ***Developing a Sewerage Facility Plan for the Clarksburg Historic District in cooperation with the Washington Suburban Sanitary Commission and the Department of General Services.***
- ❖ ***Led the regional renegotiation of the Inter-Municipal Agreement (IMA) to establish the financial and operating responsibilities of users of the Blue Plains Wastewater Treatment Plant, with signing by regional authorities anticipated by 2011.***
- ❖ ***Provided technical and policy support to the Maryland-National Capital Park and Planning Commission in the development of the Water Resources Element, which analyzes the County's water supplies, wastewater treatment capacity, and point and non-point source pollutants, and which identifies potential issues related to future growth.***

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- ❖ **Led the effort to install diesel emissions control equipment on 78 County heavy duty diesel vehicles through grant awards totaling \$564,689 from the Mid-Atlantic Regional Air Management Administration and the Maryland Department of the Environment.**
 - ❖ **Certified 20 businesses since launching the Montgomery County Green Business Certification Program with the Montgomery County Chamber of Commerce.**
 - ❖ **Developed regulations to implement the Home Energy Loan Program. (The program is currently on hold due to issues at the federal level.)**
 - ❖ **Handled over 1,500 environmental code enforcement and Public Information Act requests.**
 - ❖ **Developed three interactive, Google-based water quality map applications which allow County residents to learn about their neighborhood streams and watersheds based on a visual map layout and address input.**
 - ❖ **Restored and stabilized over 3,500 feet of degraded stream channels and eroding stream banks.**
 - ❖ **Cost shared 88 projects on residential and private institutional properties to reduce runoff volume and improve water quality through the FY10 RainScapes Rewards Rebate Program.**
 - ❖ **Conducted RainScapes Program training for over 200 people in workshops for landscape contractors and homeowners. The training focused on making and installing rain barrels and rain gardens for residential settings and using conservation landscaping techniques.**
 - ❖ **Completed the first 5 residential rain gardens in Glen Echo Heights, a RainScapes Targeted Neighborhood where the goal is to have at least 30 percent of properties install some form of stormwater control.**
 - ❖ **Began a full-scale native plant cultivation project based on the success of a school pilot RainScapes 'Growing Program.'**
 - ❖ **Provided outreach and education to over 2,000 residents, business owners, and stakeholders at 29 local and regional events.**
 - ❖ **Began monitoring flows in the Breewood and Wheaton Woods neighborhoods to evaluate the reduction in stormwater runoff resulting from low impact development (LID) retrofits.**
 - ❖ **Completed benthic organisms (organisms that live in, on, or near the stream bed) and physical habitat monitoring at 87 stream stations, 59 of which were also monitored for the fish community.**
 - ❖ **Will accept an additional 134 facilities for inspection in the Stormwater Management Facility Inspection Program, which includes over 4,300 facilities.**
 - ❖ **Will accept an additional 67 new and newly transferred facilities into the Stormwater Management Facility Maintenance Program, which consists of over 1,900 publicly and privately owned stormwater management facilities.**
 - ❖ **Will provide for storm drain maintenance activities that reduce trash and stormwater pollution in the County's rivers and streams using the Water Quality Protection Charge.**
 - ❖ **Will provide for additional positions and initiatives to comply with the new MS-4 permit, maintenance of new stormwater facilities added to the inventory, process enhancements to the Water Quality Protection Charge (WQPC), and storm drain maintenance currently supported by the General Fund by increasing the WQPC from \$49 to \$62 per equivalent residential unit (ERU).**
 - ❖ **Productivity Improvements**
 - **Implemented an on-line application and records tracking database for the RainScapes Rewards program to reduce administrative time spent by customers and Department staff.**
 - **Prevented 1,278 tons of debris from entering storm drains and streams through an enhanced street-sweeping program focusing on the most degraded areas within the Anacostia and Lower Rock Creek sub-watersheds.**
 - **Mapped sites of illegal dumping complaints to allow Environmental Code Enforcement staff members to efficiently locate addresses, watersheds, and hot spots where problems occur most often.**

- Developed a consolidated Water and Sewer Category database which includes mapping capabilities as well as records of past application activities.
- Incorporated requests for information under the Maryland Public Information Act into the Department's case management system to allow better status tracking.

PROGRAM CONTACTS

Contact Gladys Balderrama of the Department of Environmental Protection at 240.777.7732 or John Greiner of the Office of Management and Budget at 240.777.2765 for more information regarding this department's operating budget.

PROGRAM DESCRIPTIONS

Watershed Management

This program supports watershed-based monitoring, planning, policy development, and project implementation activities designed to achieve County stream protection goals (Chapter 19, Article IV) and comply with the federal Clean Water Act NPDES Municipal Separate Storm Sewer System (MS-4) permit. In combination with the stormwater management projects in the Capital Improvements Program, this program will provide stormwater treatment for 4,100 acres of impervious area by 2015. Program staff conduct baseline stream monitoring, storm drain discharge monitoring, and public outreach activities that increase awareness and promote citizen involvement in stream stewardship. The program also assesses land development impacts on water resources and the effectiveness of best management practices that mitigate those impacts within the County's four designated "Special Protection Areas" (Chapter 19, Article IV).

Program staff manage, inspect, and enforce the operational effectiveness of approximately 4,270 stormwater management facilities which receive stormwater runoff discharge and are designed to protect County streams. The Department is also responsible for the structural maintenance of approximately 1,930 of these facilities.

Revenue for this program is generated by the Water Quality Protection Charge, applied to all residential and associated non-residential properties (associated non-residential properties are non-residential properties that drain into the stormwater facilities of residential properties) except for those in the cities of Rockville and Takoma Park.

Program Performance Measures	Actual FY09	Actual FY10	Estimated FY11	Target FY12	Target FY13
County Watershed Stream Quality Index of Biological Integrity (IBI) Score ¹	58%	58%	60%	61%	62%
Reduction of Pollutant Level Needed to Meet Water Quality Standards: Nitrogen (pounds)	147,174	175,101	173,350	171,617	169,901
Reduction of Pollutant Level Needed to Meet Water Quality Standards: Phosphorus (tons)	15,301	17,799	17,621	17,445	17,271
Reduction of Pollutant Level Needed to Meet Water Quality Standards: Sediment (tons)	NA	6,667	6,601	6,535	6,469
Reduction of Pollutant Level Needed to Meet Water Quality Standards: Bacteria (maximum probable number or MPN)	999,370	716,495	709,330	702,237	695,214
Impervious Acres Treated Through RainScapes Program (cumulative) ²	1.9	2.5	4.8	22.5	35
Impervious Acres Treated with Stormwater Facility Retrofits (cumulative) ³	977	978	1,249	1,469	2,326
Stormwater Facility Maintenance Compliance Rate ⁴	71.6%	83.4%	84.3%	85.3%	86.3%

¹ The Index of Biological Integrity (IBI) score classifies watersheds by the diversity of plant and animal life and other factors. Higher scores indicate a healthier watershed.

² Goal is 50 acres by FY15.

³ Goal is 5,000 acres by FY15.

⁴ Percentage of private and County-owned stormwater facilities that have complied with the inspection report and/or maintenance notification work order detailing the repairs and/or maintenance needed for the stormwater facility.

FY12 Recommended Changes	Expenditures	WYs
FY11 Approved	10,324,200	38.2
Shift: Move Selected Operating Costs for the Department of Transportation's Storm Drain Maintenance Program from the General Fund to the Water Quality Protection Fund	2,050,070	30.0
Enhance: Software Development to Update and Expand Scope of Water Quality Protection Charge	350,000	0.0
Increase Cost: Adjustment to Gaithersburg Pass-Through for Changes to the Water Quality Protection Charge	204,580	0.0
Enhance: Maintenance of New and Newly Transferred Stormwater Management Facilities	127,800	0.0
Add: Operating Costs for Two New Permitting Services Inspector III Positions in the New Construction Section (Personnel Costs Funded by the CIP: \$139,760, 1.6 WY), and Three Service Trucks	119,800	0.0
Enhance: Provide Operating Budget Funds for MS4 Outreach and Education Programs	100,000	0.0
Enhance: Add Senior Planning Specialist to Manage the RainScapes Program	83,490	0.8
Enhance: Add Watershed Outreach Planner/Coordinator (Planning Specialist III)	77,430	0.8

	Expenditures	WYs
Increase Cost: Down County Stream Gauge Maintenance	76,010	0.0
Enhance: Add Planning Specialist II for Geo-data Management and Analysis for Stormwater Facilities	75,220	0.8
Enhance: Operating Budget Impacts of Stream Restoration and Stormwater Control Projects Completed in the Capital Improvements Program	72,220	0.0
Increase Cost: Annualization of FY11 Personnel Costs	70,790	0.0
Enhance: Inspection of New Stormwater Management Facilities Entering the County Program	70,500	0.0
Increase Cost: Restore Personnel Costs - Furloughs	56,190	1.6
Increase Cost: CPI Increases for Stormwater Facility Maintenance and Asset Management Software Contracts	50,000	0.0
Increase Cost: Annualization of Positions Approved in FY11	43,960	0.6
Increase Cost: CPI Increase to Lease	11,440	0.0
Increase Cost: Department of Finance Chargeback	7,060	0.0
Add: Operating Costs for New Manager III (Personnel Costs Funded by CIP: \$100,210, 0.8 WY) to Oversee the New Construction Section	4,900	0.0
Enhance: Operating Costs for New Senior Engineer Position (Personnel Costs Funded by CIP: \$85,280, 0.8 WY) for Contract Management of Construction of Low Impact Development Projects	4,900	0.0
Increase Cost: Printing and Mail Adjustment	440	0.0
Reduce: Abolish Principal Administrative Aide Position Partially Funded by the Water Quality Protection Fund	-16,990	-0.2
Decrease Cost: Retirement Adjustment	-38,830	0.0
Decrease Cost: Group Insurance Adjustment	-68,640	0.0
Shift: Personnel Costs for Three Engineer Positions Partially Supporting CIP Programs as of FY11	-109,560	-1.0
Decrease Cost: Elimination of One-Time Items Approved in FY11	-206,100	0.0
FY12 CE Recommended	13,540,880	71.6

Environmental Policy and Compliance

This program develops and implements scientifically-based, integrated programs which protect and enhance the County's environmental resources and promotes sustainable practices by the County government, businesses, and residents. The division develops, analyzes, and enforces policies, programs, and regulations related to air quality (ambient and indoor), water quality and stormwater management, energy conservation, forest and tree resources, noise control, pollution prevention, and sustainability efforts. The division is also responsible for environmental monitoring of the County's solid waste facilities; coordination of responses on all legislative referrals at the local, state, and federal levels; and participation on local and regional task forces, committees, and various advisory groups.

Program Performance Measures	Actual FY09	Actual FY10	Estimated FY11	Target FY12	Target FY13
Average Number of Days to Resolve Environmental Enforcement Cases	34	38	35	35	35
Percent of Customers Satisfied with DEP Response to Environmental Complaints ¹	84.8%	78.8%	79%	79%	79%
Residential Building Energy Use as a Measure of Greenhouse Gas Reductions (Million British Thermal Units) ²	38,733,162	39,180,247	39,627,332	40,074,417	40,521,502
Non-Residential Building Energy Use as a Measure of Greenhouse Gas Reductions (Million British Thermal Units) ³	33,553,255	34,014,365	34,475,475	34,936,584	35,397,694

¹ FY11-FY13 based on average of previous four years.

² Historic data from Montgomery County fuel-energy tax records. Projected figures based on recent trends in energy consumption. The FY10 figure was affected by a mid-year rate change.

³ Historic data from Montgomery County fuel-energy tax records. Projected figures based on recent trends in energy consumption. The FY10 figure was affected by a mid-year rate change.

FY12 Recommended Changes	Expenditures	WYs
FY11 Approved	1,078,380	6.2
Reduce: Abolish One Senior Planning Specialist in the Division of Environmental Policy and Compliance	-144,300	-1.0
Eliminate: Scheduled Elimination of Support for the Maryland Clean Energy Center	-286,200	0.0
Miscellaneous adjustments, including restoration of employee furloughs, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting more than one program	-52,000	0.5
FY12 CE Recommended	595,880	5.7

Grants

In FY10, the County received an Energy Efficiency and Conservation Block Grant, funded by the American Recovery and Reinvestment Act (ARRA), to explore opportunities and implement improvements related to energy efficiency and conservation through seven separate activities. The grant provides for the following five activities to be implemented by DEP: oversight of energy conservation and renewable energy in buildings owned by the County government or outside agencies, the Home Energy Loan Program, the Commercial & Multi-Family Building Energy Efficiency Grant Program, the Commercial & Multi-Family Building Study, and energy education. (The Home Energy Loan Program is currently on hold due to issues at the federal level; the funds for this activity may be re-allocated.) In addition, the Department is responsible for providing leadership, coordination, and progress

oversight to other County departments and outside agencies participating in the grant, and for fulfilling the grant reporting requirements for all seven activities. FY11 and FY12 personnel costs associated with these activities are displayed below.

FY12 Recommended Changes	Expenditures	WYs
FY11 Approved	162,980	1.7
FY12 CE Recommended	162,980	1.7

Administration

The Office of the Director provides leadership on policy development, implementation, and administration for all departmental programs. The Director's Office is also responsible for planning, development, and administration of water supply and wastewater policies for the County, development of the State-required Montgomery County Comprehensive Water Supply and Sewerage System Plan, and development and implementation of the County groundwater strategy (which focuses on water quality and water supply aspects of groundwater resources). The technical experts in this program work to ensure that the County's management of water and wastewater protects public health and the environment. In addition, the Director's Office provides centrally coordinated public education, outreach, and communication of County environmental initiatives and objectives, as well as budget development and administration, contract management, human resources management, geographical information systems and information technology services, and operational management.

Program Performance Measures	Actual FY09	Actual FY10	Estimated FY11	Target FY12	Target FY13
Percent Concurrence of County Council Water and Sewer Service Actions with DEP Recommendations	100%	92%	95%	95%	96%

FY12 Recommended Changes	Expenditures	WYs
FY11 Approved	868,830	5.4
Shift: Charges from the General Fund for Various Solid Waste Activities	-26,650	-0.2
Reduce: Abolish One Principal Administrative Aide Partially Funded by the General Fund	-46,730	-0.5
Decrease Cost: Eliminate Funding for Operating Budget Items in the Director's Office and the Division of Environmental Policy and Compliance.	-55,110	0.0
Miscellaneous adjustments, including restoration of employee furloughs, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting more than one program	-16,460	0.0
FY12 CE Recommended	723,880	4.7

BUDGET SUMMARY

	Actual FY10	Budget FY11	Estimated FY11	Recommended FY12	% Chg Bud/Rec
COUNTY GENERAL FUND					
EXPENDITURES					
Salaries and Wages	1,616,594	1,064,720	1,071,420	958,090	-10.0%
Employee Benefits	555,385	417,270	410,280	315,890	-24.3%
County General Fund Personnel Costs	2,171,979	1,481,990	1,481,700	1,273,980	-14.0%
Operating Expenses	482,630	465,220	426,190	45,780	-90.2%
Capital Outlay	9,999	0	0	0	—
County General Fund Expenditures	2,664,608	1,947,210	1,907,890	1,319,760	-32.2%
PERSONNEL					
Full-Time	43	42	42	40	-4.8%
Part-Time	2	1	1	1	—
Workyears	19.3	11.6	11.6	10.4	-10.3%
REVENUES					
SPA Monitoring Fee	169,280	100,000	100,000	150,000	50.0%
Civil Citations - DEP	8,065	20,000	20,000	20,000	—
Water and Sewer Plan Review Fee	11,250	20,000	12,000	10,000	-50.0%
County General Fund Revenues	188,595	140,000	132,000	180,000	28.6%
GRANT FUND MCG					
EXPENDITURES					
Salaries and Wages	0	130,230	260,330	130,760	0.4%
Employee Benefits	0	32,750	65,360	32,220	-1.6%
Grant Fund MCG Personnel Costs	0	162,980	325,690	162,980	—
Operating Expenses	87,912	0	5,246,070	0	—
Capital Outlay	376,353	0	0	0	—
Grant Fund MCG Expenditures	464,265	162,980	5,571,760	162,980	—
PERSONNEL					
Full-Time	0	0	0	0	—
Part-Time	0	0	0	0	—
Workyears	0.0	1.7	1.7	1.7	—
REVENUES					
ARRA Energy Efficiency Block Grant	0	162,980	5,009,920	162,980	—
DEP Equip Diesel Emission Reduction	28,973	0	0	0	—
MEA Empower Grant	58,939	0	0	0	—
Marama Grant	376,353	0	547,540	0	—
Chesapeake Bay Trust Outreach Program	0	0	14,300	0	—
Grant Fund MCG Revenues	464,265	162,980	5,571,760	162,980	—
WATER QUALITY PROTECTION FUND					
EXPENDITURES					
Salaries and Wages	2,511,702	2,993,810	2,990,030	4,798,700	60.3%
Employee Benefits	672,309	967,820	949,410	1,325,440	37.0%
Water Quality Protection Fund Personnel Costs	3,184,011	3,961,630	3,939,440	6,124,140	54.6%
Operating Expenses	4,948,942	6,334,570	6,340,680	7,305,740	15.3%
Capital Outlay	9,999	28,000	0	111,000	296.4%
Water Quality Protection Fund Expenditures	8,142,952	10,324,200	10,280,120	13,540,880	31.2%
PERSONNEL					
Full-Time	20	28	28	35	25.0%
Part-Time	1	1	1	1	—
Workyears	32.8	38.2	38.2	71.6	87.4%
REVENUES					
Investment Income	17,569	60,000	10,000	20,000	-66.7%
Water Quality Protection Charge	10,814,466	11,725,680	11,725,680	15,325,460	30.7%
Water Quality Protection Fund Revenues	10,832,035	11,785,680	11,735,680	15,345,460	30.2%
DEPARTMENT TOTALS					
Total Expenditures	11,271,825	12,434,390	17,759,770	15,023,620	20.8%
Total Full-Time Positions	63	70	70	75	7.1%
Total Part-Time Positions	3	2	2	2	—
Total Workyears	52.1	51.5	51.5	83.7	62.5%
Total Revenues	11,484,895	12,088,660	17,439,440	15,688,440	29.8%

FY12 RECOMMENDED CHANGES

	Expenditures	WYs
COUNTY GENERAL FUND		
FY11 ORIGINAL APPROPRIATION	1,947,210	11.6
Changes (with service impacts)		
Reduce: Abolish One Principal Administrative Aide Partially Funded by the General Fund [Administration]	-46,730	-0.5
Reduce: Abolish One Senior Planning Specialist in the Division of Environmental Policy and Compliance [Environmental Policy and Compliance]	-144,300	-1.0
Eliminate: Scheduled Elimination of Support for the Maryland Clean Energy Center [Environmental Policy and Compliance]	-286,200	0.0
Other Adjustments (with no service impacts)		
Increase Cost: Restore Personnel Costs - Furloughs	27,290	0.5
Increase Cost: Annualization of FY11 Personnel Costs	19,540	0.0
Increase Cost: Help Desk - Desk Side Support	3,880	0.0
Increase Cost: Printing and Mail Adjustment	1,720	0.0
Decrease Cost: Verizon Point to Point T1 Replacement	-3,270	0.0
Decrease Cost: Verizon Frame Relay Replacement	-4,020	0.0
Decrease Cost: Retirement Adjustment	-10,370	0.0
Shift: Charges from the General Fund for Various Solid Waste Activities [Administration]	-26,650	-0.2
Decrease Cost: Group Insurance Adjustment	-26,790	0.0
Decrease Cost: Eliminate Funding for Operating Budget Items in the Director's Office and the Division of Environmental Policy and Compliance. [Administration]	-55,110	0.0
Decrease Cost: Motor Pool Rate Adjustment	-76,440	0.0
FY12 RECOMMENDED:	1,319,760	10.4
GRANT FUND MCG		
FY11 ORIGINAL APPROPRIATION	162,980	1.7
FY12 RECOMMENDED:	162,980	1.7
WATER QUALITY PROTECTION FUND		
FY11 ORIGINAL APPROPRIATION	10,324,200	38.2
Changes (with service impacts)		
Enhance: Software Development to Update and Expand Scope of Water Quality Protection Charge [Watershed Management]	350,000	0.0
Enhance: Maintenance of New and Newly Transferred Stormwater Management Facilities [Watershed Management]	127,800	0.0
Add: Operating Costs for Two New Permitting Services Inspector III Positions in the New Construction Section (Personnel Costs Funded by the CIP: \$139,760, 1.6 WY), and Three Service Trucks [Watershed Management]	119,800	0.0
Enhance: Provide Operating Budget Funds for MS4 Outreach and Education Programs [Watershed Management]	100,000	0.0
Enhance: Add Senior Planning Specialist to Manage the RainScapes Program [Watershed Management]	83,490	0.8
Enhance: Add Watershed Outreach Planner/Coordinator (Planning Specialist III) [Watershed Management]	77,430	0.8
Enhance: Add Planning Specialist II for Geo-data Management and Analysis for Stormwater Facilities [Watershed Management]	75,220	0.8
Enhance: Operating Budget Impacts of Stream Restoration and Stormwater Control Projects Completed in the Capital Improvements Program [Watershed Management]	72,220	0.0
Enhance: Inspection of New Stormwater Management Facilities Entering the County Program [Watershed Management]	70,500	0.0
Add: Operating Costs for New Manager III (Personnel Costs Funded by CIP: \$100,210, 0.8 WY) to Oversee the New Construction Section [Watershed Management]	4,900	0.0
Enhance: Operating Costs for New Senior Engineer Position (Personnel Costs Funded by CIP: \$85,280, 0.8 WY) for Contract Management of Construction of Low Impact Development Projects [Watershed Management]	4,900	0.0
Reduce: Abolish Principal Administrative Aide Position Partially Funded by the Water Quality Protection Fund [Watershed Management]	-16,990	-0.2
Other Adjustments (with no service impacts)		
Shift: Move Selected Operating Costs for the Department of Transportation's Storm Drain Maintenance Program from the General Fund to the Water Quality Protection Fund [Watershed Management]	2,050,070	30.0

	Expenditures	WYs
Increase Cost: Adjustment to Gaithersburg Pass-Through for Changes to the Water Quality Protection Charge [Watershed Management]	204,580	0.0
Increase Cost: Down County Stream Gauge Maintenance [Watershed Management]	76,010	0.0
Increase Cost: Annualization of FY11 Personnel Costs [Watershed Management]	70,790	0.0
Increase Cost: Restore Personnel Costs - Furloughs [Watershed Management]	56,190	1.6
Increase Cost: CPI Increases for Stormwater Facility Maintenance and Asset Management Software Contracts [Watershed Management]	50,000	0.0
Increase Cost: Annualization of Positions Approved in FY11 [Watershed Management]	43,960	0.6
Increase Cost: CPI Increase to Lease [Watershed Management]	11,440	0.0
Increase Cost: Department of Finance Chargeback [Watershed Management]	7,060	0.0
Increase Cost: Printing and Mail Adjustment [Watershed Management]	440	0.0
Decrease Cost: Retirement Adjustment [Watershed Management]	-38,830	0.0
Decrease Cost: Group Insurance Adjustment [Watershed Management]	-68,640	0.0
Shift: Personnel Costs for Three Engineer Positions Partially Supporting CIP Programs as of FY11 [Watershed Management]	-109,560	-1.0
Decrease Cost: Elimination of One-Time Items Approved in FY11 [Watershed Management]	-206,100	0.0
FY12 RECOMMENDED:	13,540,880	71.6

PROGRAM SUMMARY

Program Name	FY11 Approved		FY12 Recommended	
	Expenditures	WYs	Expenditures	WYs
Watershed Management	10,324,200	38.2	13,540,880	71.6
Environmental Policy and Compliance	1,078,380	6.2	595,880	5.7
Grants	162,980	1.7	162,980	1.7
Administration	868,830	5.4	723,880	4.7
Total	12,434,390	51.5	15,023,620	83.7

CHARGES TO OTHER DEPARTMENTS

Charged Department	Charged Fund	FY11		FY12	
		Total\$	WYs	Total\$	WYs
COUNTY GENERAL FUND					
CIP	CIP	1,338,630	12.4	1,509,730	14.0

FUTURE FISCAL IMPACTS

Title	CE REC.		(\$000's)			
	FY12	FY13	FY14	FY15	FY16	FY17
This table is intended to present significant future fiscal impacts of the department's programs.						
COUNTY GENERAL FUND						
Expenditures						
FY12 Recommended	1,320	1,320	1,320	1,320	1,320	1,320
No inflation or compensation change is included in outyear projections.						
Assumption of Positions Charged to the ARRA Energy Efficiency and Conservation Block Grant for the Duration of the Grant	0	163	163	163	163	163
The portions of three positions charged to the ARRA Energy Efficiency and Conservation Block Grant will once again be charged to the General Fund after the expiration of the grant in FY12.						
Motor Pool Rate Adjustment	0	43	43	43	43	43
Subtotal Expenditures	1,320	1,526	1,526	1,526	1,526	1,526
WATER QUALITY PROTECTION FUND						
Expenditures						
FY12 Recommended	13,541	13,541	13,541	13,541	13,541	13,541
No inflation or compensation change is included in outyear projections.						
Annualization of Positions Recommended in FY12	0	55	55	55	55	55
New positions in the FY12 budget are generally lapsed due to the time it takes a position to be created and filled. Therefore, the amounts above reflect annualization of these positions in the outyears.						

Title	CE REC.					
	FY12	FY13	FY14	FY15	FY16	FY17
Elimination of One-Time Items Recommended in FY12	0	-493	-493	-493	-493	-493
Items recommended for one-time funding in FY12 (including software development to upgrade the Water Quality Protection Charge, computers and furniture for 7 new positions, and 3 service trucks) will be eliminated from the base in the outyears.						
Inspections of New Facilities	0	71	141	212	282	282
These figures represent costs associated with the inspection of new above ground and underground stormwater management facilities projected to enter the Water Quality Protection Program.						
Maintenance of New and Newly Transferred Stormwater Management Facilities	0	128	256	383	511	511
Expenditures reflect the maintenance requirements of new stormwater management facilities and existing stormwater management facilities that transfer into the County's maintenance program.						
Operating Budget Impacts of CIP Projects for Improving Streams and Controlling Stormwater	0	62	153	263	372	482
These figures represent the impacts on the Operating Budget (maintenance, utilities, and staff) of projects included in the County Executive's FY11-16 Approved Capital Improvements Program.						
Subtotal Expenditures	13,541	13,363	13,652	13,960	14,268	14,378

ANNUALIZATION OF PERSONNEL COSTS AND WORKYEARS

	FY12 Recommended		FY13 Annualized	
	Expenditures	WYs	Expenditures	WYs
Enhance: Add Planning Specialist II for Geo-data Management and Analysis for Stormwater Facilities [Watershed Management]	67,020	0.8	83,780	1.0
Enhance: Add Senior Planning Specialist to Manage the RainScapes Program [Watershed Management]	78,590	0.8	98,240	1.0
Enhance: Add Watershed Outreach Planner/Coordinator (Planning Specialist III) [Watershed Management]	72,530	0.8	90,660	1.0
Total	218,140	2.4	272,680	3.0

FY12-17 PUBLIC SERVICES PROGRAM: FISCAL PLAN

Water Quality Protection Fund

FISCAL PROJECTIONS	FY11 ESTIMATE	FY12 RECOMMENDED	FY13 PROJECTION	FY14 PROJECTION	FY15 PROJECTION	FY16 PROJECTION	FY17 PROJECTION
ASSUMPTIONS							
Indirect Cost Rate	12.59%	12.59%	12.59%	12.59%	12.59%	12.59%	12.59%
CPI (Fiscal Year)	2.0%	2.4%	2.7%	3.0%	3.2%	3.4%	3.6%
Investment Income Yield	0.1%	0.4%	0.9%	2.0%	2.8%	3.5%	4.0%
Number of Equivalent Residential Units (ERUs) Billed	242,175	248,930	248,930	248,930	248,930	248,930	248,930
Prior Year Credits (\$)	(\$81,560)	(\$31,030)	\$0	\$0	\$0	\$0	\$0
Number of Gaithersburg ERUs	14,500	14,500	14,500	14,500	14,500	14,500	14,500
Water Quality Protection Charge per ERU	\$49.00	\$62.00	\$74.00	\$89.00	\$96.00	\$112.00	\$113.50
Collection Factor for Charge	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%
BEGINNING FUND BALANCE	4,246,020	1,465,860	803,750	910,150	992,480	956,620	1,139,130
REVENUES							
Charges For Services	11,725,680	15,325,460	18,328,720	22,044,000	23,777,790	27,740,760	28,112,290
Miscellaneous	10,000	20,000	50,000	120,000	170,000	230,000	270,000
Subtotal Revenues	11,735,680	15,345,460	18,378,720	22,164,000	23,947,790	27,970,760	28,382,290
INTERFUND TRANSFERS (Net Non-CIP)							
Transfers To General Fund	(655,880)	(1,266,690)	(2,896,910)	(5,642,490)	(6,522,050)	(9,358,730)	(9,134,280)
Indirect Costs	(555,880)	(816,690)	(771,030)	(771,030)	(771,030)	(771,030)	(771,030)
Technology Modernization	(498,370)	(771,030)	(771,030)	(771,030)	(771,030)	(771,030)	(771,030)
Transfers to Debt Service Fund (Non-Tax)	(57,510)	(45,660)	0	0	0	0	0
	(100,000)	(450,000)	(2,125,880)	(4,871,460)	(5,751,020)	(8,587,700)	(8,363,250)
TOTAL RESOURCES	15,325,820	15,544,630	16,285,560	17,431,660	18,418,220	19,568,650	20,387,140
CIP CURRENT REVENUE APPROPRIATION							
PSP OPER. BUDGET APPROP/ EXP'S.	(925,000)	(1,200,000)	(1,350,000)	(1,350,000)	(1,350,000)	(1,100,000)	(1,100,000)
Operating Budget	(10,280,120)	(13,540,880)	(14,203,770)	(14,977,700)	(15,692,300)	(16,602,400)	(17,345,400)
Annualizations and One-Time (PC)	n/a	n/a	(54,520)	(54,540)	(54,540)	(54,540)	(54,540)
Annualizations and One-Time (OE + CO))	n/a	n/a	492,700	492,700	492,700	492,700	492,700
FFI - Inspection of New Facilities	n/a	n/a	(70,500)	(141,000)	(211,500)	(282,000)	(282,000)
FFI - Maintenance of New and Newly Transferred Facilities	n/a	n/a	(127,800)	(255,600)	(383,400)	(511,200)	(511,200)
FFI - Operating Impacts of CIP Projects	n/a	n/a	(61,520)	(153,040)	(262,560)	(372,080)	(481,600)
Subtotal PSP Oper Budget Approp / Exp's	(10,280,120)	(13,540,880)	(14,025,410)	(15,089,180)	(16,111,600)	(17,329,520)	(18,182,040)
OTHER CLAIMS ON FUND BALANCE	(2,654,840)	0	0	0	0	0	0
TOTAL USE OF RESOURCES	(13,859,960)	(14,740,880)	(15,375,410)	(16,439,180)	(17,461,600)	(18,429,520)	(19,282,040)
YEAR END FUND BALANCE	1,465,860	803,750	910,150	992,480	956,620	1,139,130	1,105,100
END-OF-YEAR RESERVES AS A							
PERCENT OF RESOURCES	9.6%	5.2%	5.6%	5.7%	5.2%	5.8%	5.4%

Assumptions:

- These projections are based on the County Executive's Recommended budget and include the revenue and resource assumptions of that budget. The projected future expenditures, revenues, and fund balances may vary based on changes to fee or tax rates, usage, inflation, future labor agreements, and other factors not assumed here.
- The Water Quality Protection Charge is applied to all residential and associated non-residential properties (associated non-residential properties are non-residential properties that drain into the stormwater facilities of residential properties), except for those in the cities of Rockville and Takoma Park. The base unit for calculating the charge is the Equivalent Residential Unit (ERU), which is equal to 2,406 square feet of impervious surface (the average amount of impervious surface per single-family residential unit in Montgomery County).
- Residential and associated non-residential property stormwater facilities will be maintained to permit standards as they are phased into the program.
- Operating costs for new facilities to be completed or transferred between FY13 and FY17 have been incorporated in the future fiscal impact (FFI) rows.
- Charges are adjusted to maintain a balance of approximately 5 percent consistent with the County's policy for this fund. For purposes of analysis, increases to the Water Quality Protection Charge are shown in FY13, FY14, FY15, FY16, and FY17.
- The operating budget includes planning and implementation costs for compliance with the new Municipal Separate Storm Sewer System (MS-4) permit issued by the Maryland Department of the Environment in February 2010. Debt service on bonds that will be used to finance the CIP project costs of MS-4 compliance has been shown as a transfer to the Debt Service Fund. Potential future costs for complying with the MS-4 permit will be included as they become better defined in terms of their magnitude, scope, and timing.