
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 FY11 Operating Budget for the Department of Environmental Protection is \$12,374,440, an increase of \$464,630 or 3.9 percent from the FY10 Approved Budget of \$11,909,810. Personnel Costs comprise 44.8 percent of the budget for 70 full-time positions and two part-time positions for 51.5 workyears. Operating Expenses and Capital Outlay account for the remaining 55.2 percent of the FY11 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 \$413,480 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 FY10 estimates incorporate the effect of the FY10 savings plan. The FY11 and FY12 targets assume the recommended FY11 budget and FY12 funding for comparable service levels.

ACCOMPLISHMENTS AND INITIATIVES

- ❖ ***Began developing a Watershed Restoration Implementation Strategy to meet new National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS-4) permit requirements for watershed restoration, pollutant load allocations, and trash reduction to improve water quality. The new permit was issued in February 2010.***
- ❖ ***Began implementing Montgomery County's 2009 Climate Protection Plan developed by the Sustainability Working Group. Started work on over 40 of the 58 recommendations in the Plan.***
- ❖ ***Developed the Montgomery County Green Business Certification Program in concert with the Montgomery County Chamber of Commerce.***
- ❖ ***Began implementing the \$7.6 million Energy Efficiency and Conservation Block Grant funded through the American Recovery and Reinvestment Act.***
- ❖ ***Initiated a review to improve Water Quality Protection Charge processes.***
- ❖ ***Implemented the Rainscapes pilot program at six schools and began holding Rainscapes training programs for landscape contractors.***
- ❖ ***Protected County streams and residents by constructing or upgrading stormwater facilities to control polluted runoff from 420 acres of land.***

- ❖ **Restored and stabilized over 19,000 feet of degraded stream channels and eroding stream banks, and initiated a comprehensive restoration in the Breewood Tributary of Sligo Creek.**
- ❖ **Prevented 1,168 tons of debris from entering storm drains and streams through an enhanced street-sweeping program within the Anacostia and Lower Rock Creek sub-watersheds.**
- ❖ **Inspected over 1,400 stormwater facilities to ensure that they were properly functioning to prevent flooding and water quality problems.**
- ❖ **Performed maintenance on over 2,000 privately and publicly owned stormwater facilities.**
- ❖ **Initiated an extensive review of water and sewer service accounts with WSSC to locate properties where existing public service is not reflected in the Ten Year Water and Sewer Plan.**
- ❖ **Will increase the Water Quality Protection Charge (WQPC) from \$45.50 per equivalent residential unit (ERU) to \$49.00 per ERU in FY11 to support WQPC funded programs, including additional positions and initiatives to plan and implement responses to the new MS-4 permit, debt service on bonds issued to help fund the MS-4 response, the transfer of water quality protection expenses previously charged to the General Fund, maintenance of additional stormwater facilities, and increases in other costs.**
- ❖ **Productivity Improvements**
 - **Began work on a water/sewer service area category database for all county properties, linked to the County's GIS. The database includes the property's water and sewer service area categories, service conditions or restrictions applying to the property, and category change actions affecting the property within the past 20 years.**
 - **Corrected building layer and multi-family property data to correctly and accurately apply the WQPC to these types of accounts.**
 - **Improved the accuracy of the impervious area calculations, which will help track progress toward meeting MS-4 requirements.**
 - **Used LiDAR (Light Detection and Ranging) remote sensing data to re-delineate the County's watershed layer, last updated in 1996.**
 - **Integrated DEP's approval of record plats into the Department of Permitting Services automated permit tracking system to streamline the plat approval process and allow access by developers to the status of DEP's plat review.**
 - **Created a web-based application verification system for Green Biz consultants.**

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). The program assesses land development impacts on water resources and the effectiveness of best management practices that mitigate these impacts within the County's four designated "Special Protection Areas" (Chapter 19, Article IV). To comply with the Federal Clean Water Act NPDES Municipal Separate Storm Sewer System (MS-4) permit, program staff conduct baseline stream monitoring, storm drain discharge monitoring, and public outreach activities that increase awareness and promote citizen involvement in stream stewardship; develop watershed protection priorities; and manage stream protection and restoration projects that implement NPDES stormwater discharge permit requirements and the Countywide Stream Protection Strategy.

Program staff also manage, inspect, and enforce the operational effectiveness of over 4,200 stormwater management facilities which control impacts from stormwater runoff to protect County streams. DEP is also responsible for the structural maintenance of approximately 1,800 of these facilities. Revenue for the program is generated through a 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 FY08	Actual FY09	Estimated FY10	Target FY11	Target FY12
County Watershed Stream Quality Index of Biological Integrity (IBI) Score ¹	54%	54%	54%	55%	55%
Special Protection Area (SPA) Biological Condition ²	72.0%	72.5%	72.8%	73.0%	73.0%
Reduction of Pollutant Level Needed to Meet Water Quality Standards: Nitrogen (pounds)	147,174	147,174	145,702	144,245	142,803
Reduction of Pollutant Level Needed to Meet Water Quality Standards: Phosphorus (tons) ³	15,301	21,303	21,090	20,668	20,048
Reduction of Pollutant Level Needed to Meet Water Quality Standards: Sediment (tons) ⁴	935	1,107	1,096	1,074	1,042
Reduction of Pollutant Level Needed to Meet Water Quality Standards: Bacteria (maximum probable number or MPN)	2,738	2,738	2,711	2,684	2,657
Impervious Acres Treated Through the Rainscapes Program ⁵	0.8	1.9	6	13	23
Impervious Acres Treated with Stormwater Facility Retrofits ⁶	902	902	1,117	1,387	2,397
Stormwater Facility Maintenance Compliance Rate ⁷	NA	71.6%	74.1%	77.1%	79.4%

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 The average yearly IBI score for all SPA monitoring stations. SPAs are areas where existing water resources and/or environmental features are of high quality, unusually sensitive, and potentially threatened by proposed land uses.

³ FY09 increase due to additional regulatory requirements that were added in FY09.

⁴ FY09 increase due to additional regulatory requirements that were added in FY09.

⁵ Goal is 50 acres by FY15.

⁶ Goal is 5,000 acres by FY15.

⁷ 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.

FY11 Recommended Changes	Expenditures	WYs
FY10 Approved	8,895,850	32.8
Shift: Move Personnel Costs from the General Fund to the WQPC to Reflect Workload Associated with Programs Funded by the WQPC	412,390	4.2
Shift: Lease for Space at 255 Rockville Pike (from Leases NDA)	381,370	0.0
Enhance: Maintenance of New and Newly Transferred Stormwater Management Facilities	222,200	0.0
Enhance: WQPC Software Development	150,000	0.0
Increase Cost: Stream Gauge Maintenance - Funding for Joint Agreements with USGS and for CPI Increase	148,470	0.0
Enhance: SM Retrofit - Countywide Facilities (OBI)	136,000	0.0
Enhance: Below Ground Facility Monitoring and Maintenance for 90 Additional MCPS Stormwater Facilities	110,000	0.0
Enhance: New Inspector Position for Below Ground Maintenance	105,520	0.8
Increase Cost: Stormwater Facility Maintenance Contract	78,250	0.0
Enhance: New GIS Technician for Data Analysis to Generate and Manage MS-4 Reporting Data	60,930	0.8
Enhance: New Public Administration Intern to Support MS-4 Studies	56,870	0.8
Shift: Move Operating Costs for Programs Funded by the WQPC from the General Fund to the WQPC	53,560	0.0
Enhance: Inspection of New Stormwater Management Facilities	43,970	0.0
Increase Cost: Annualization of FY10 Personnel Costs	38,410	0.0
Increase Cost: Annualization of Positions Approved in FY10	34,490	0.4
Increase Cost: Retirement Adjustment	23,830	0.0
Increase Cost: Group Insurance Adjustment	22,260	0.0
Increase Cost: Inspection Contract	17,890	0.0
Enhance: Miscellaneous Stream Restoration Maintenance (OBI)	16,000	0.0
Increase Cost: Department of Finance Chargeback	14,690	0.0
Increase Cost: City Of Gaithersburg Reimbursement	14,300	0.0
Enhance: SM Retrofit - Governmental Facilities (OBI)	12,000	0.0
Enhance: Operating Costs for New Engineer III Funded by CIP (0.8 WY)	4,880	0.0
Enhance: Operating Costs for New Administrative Specialist III Funded by CIP (0.8 WY)	4,280	0.0
Enhance: Operating Costs for New Planning Specialist III Funded by CIP (0.8 WY)	4,280	0.0
Decrease Cost: Printing and Mail Adjustment	-450	0.0
Decrease Cost: Printing and Mail	-6,380	0.0
Decrease Cost: Stormwater Asset Inventory System, Training, and Other Miscellaneous Operating Costs	-14,690	0.0
Decrease Cost: Motor Pool Rate Adjustment	-24,310	0.0
Decrease Cost: Stream Restoration Maintenance to Reflect Absence of Major Storm Events in 2009	-50,000	0.0
Reduce: Engineering and Architectural Services for Residential Low Impact Development Stormwater Controls within the Rainscapes Program	-50,000	0.0
Decrease Cost: Utilize Targeted Streetsweeping	-68,650	0.0
Decrease Cost: Elimination of One-Time Items Approved in FY10	-99,560	0.0
Decrease Cost: Furlough Days	-118,270	-1.6
Reduce: Limit Replacement of Proprietary Filters on Underground Stormwater Management Facilities	-140,000	0.0
Decrease Cost: Reduce Above Ground Maintenance Costs by Prioritizing Repairs	-205,300	0.0

	Expenditures	WYs
Miscellaneous adjustments, including furloughs, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting more than one program	-10,080	0.0
FY11 CE Recommended	10,275,000	38.2

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 FY08	Actual FY09	Estimated FY10	Target FY11	Target FY12
Average Number of Days to Resolve Environmental Enforcement Cases	35	34	35	35	35
Percent of Customers Satisfied with DEP Response to Environmental Complaints ¹	81.0%	84.8%	79.4%	79.4%	79.4%
Residential Energy Use as a Measure of Greenhouse Gas Reductions (Million British Thermal Units) ²	35,979,624	35,012,591	35,012,591	34,312,340	33,612,088
Non-Residential Energy Use as a Measure of Greenhouse Gas Reductions (Million British Thermal Units) ³	33,101,269	33,563,287	33,563,287	32,892,022	32,220,756

¹ FY10-FY12 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.

³ Historic data from Montgomery County fuel-energy tax records. Projected figures based on recent trends in energy consumption.

FY11 Recommended Changes	Expenditures	WYs
FY10 Approved	1,472,290	8.6
Increase Cost: Maryland Clean Energy Center FY11 Annualization Cost	16,200	0.0
Increase Cost: Increase WYs of the Forest Conservation Manager (Sr. Planning Specialist) from 0.8 to 0.9 WYs	10,780	0.1
Decrease Cost: Abolish Part-Time Program Specialist II for the Forest Conservation Program	-36,160	-0.5
Decrease Cost: Reduce Gypsy Moth Survey and Suppression	-47,000	0.0
Reduce: Professional Services, Including Green Business Certification	-65,560	0.0
Decrease Cost: Reduce Miscellaneous Operating Expenses	-90,980	0.0
Shift: Move Relevant Personnel Costs of 3 Positions That Will Work on the ARRA Grant from the General Fund to the Grant	-162,980	-1.7
Miscellaneous adjustments, including furloughs, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting more than one program	-18,210	-0.3
FY11 CE Recommended	1,078,380	6.2

Grants

In FY10, the American Recovery and Reinvestment Act (ARRA), through the Energy Efficiency and Conservation Block Grant (EECBG), awarded the County funds 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. 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 personnel costs associated with these activities are displayed below.

FY11 Recommended Changes	Expenditures	WYs
FY10 Approved	0	0.0
Shift: Move Relevant Personnel Costs of 3 Positions That Will Work on the ARRA Grant from the General Fund to the Grant	162,980	1.7
FY11 CE Recommended	162,980	1.7

Notes: The recommended program amount reflects only FY11 personnel costs, pending the development of a complete multi-year scope of work in connection with this grant.

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). This program provides the Department and the County with a comprehensive, technically versed team of experts in water and wastewater focused on promoting public health and environmental protection. In addition, the Director's office provides centrally coordinated public education, outreach, and effective communication of County environmental initiatives and objectives to promote better community understanding of environmental issues and services provided by the Department. The Administrative Services Section in the Director's office is responsible for budget development and administration, contract management, human resources management, information technology, and day-to-day operational services for the department.

Program Performance Measures	Actual FY08	Actual FY09	Estimated FY10	Target FY11	Target FY12
Percent Concurrence of County Council Water and Sewer Service Actions with DEP Recommendations	94%	100%	96%	97%	94%

FY11 Recommended Changes	Expenditures	WYs
FY10 Approved	1,541,670	10.7
Decrease Cost: Printing and Mail Adjustment	-1,220	0.0
Decrease Cost: IT Training and Computer Maintenance	-8,790	0.0
Shift: Personnel Cost of Manager III Related to Support of DSWS Activities to the Division of Solid Waste Services	-9,620	-0.1
Decrease Cost: Contractual Services for Professional Support for Outreach/Education, Materials, and Job Advertising	-21,000	0.0
Shift: Miscellaneous Operating Expenses Supporting Water Quality Functions to the Water Quality Protection Fund	-53,560	0.0
Decrease Cost: COG Contribution for Trash Treaty and Other Dues	-62,700	0.0
Decrease Cost: Abolish Planning Specialist III Position Due to Decreased Demand for Water and Sewer Plan Reviews and Category Changes	-102,970	-1.0
Shift: Personnel Costs Supporting Water Quality Functions to the Water Quality Protection Fund	-397,810	-4.0
Miscellaneous adjustments, including furloughs, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting more than one program	-25,920	-0.2
FY11 CE Recommended	858,080	5.4

BUDGET SUMMARY

	Actual FY09	Budget FY10	Estimated FY10	Recommended FY11	% Chg Bud/Rec
COUNTY GENERAL FUND					
EXPENDITURES					
Salaries and Wages	2,557,524	1,619,620	1,599,350	1,044,880	-35.5%
Employee Benefits	812,741	572,070	542,030	426,360	-25.5%
County General Fund Personnel Costs	3,370,265	2,191,690	2,141,380	1,471,240	-32.9%
Operating Expenses	641,961	822,270	613,880	465,220	-43.4%
Capital Outlay	0	0	0	0	—
County General Fund Expenditures	4,012,226	3,013,960	2,755,260	1,936,460	-35.8%
PERSONNEL					
Full-Time	45	43	43	42	-2.3%
Part-Time	4	2	2	1	-50.0%
Workyears	33.9	19.3	19.3	11.6	-39.9%
REVENUES					
Civil Citations - DEP	15,758	20,000	20,000	20,000	—
SPA Monitoring Fee	22,395	50,000	50,000	100,000	100.0%
Water and Sewer Plan Review Fee	13,000	20,000	20,000	20,000	—
County General Fund Revenues	51,153	90,000	90,000	140,000	55.6%
GRANT FUND MCG					
EXPENDITURES					
Salaries and Wages	0	0	0	130,230	—
Employee Benefits	0	0	0	32,750	—
Grant Fund MCG Personnel Costs	0	0	0	162,980	—
Operating Expenses	950	0	0	0	—
Capital Outlay	0	0	0	0	—
Grant Fund MCG Expenditures	950	0	0	162,980	—
PERSONNEL					
Full-Time	0	0	0	0	—
Part-Time	0	0	0	0	—
Workyears	0.0	0.0	0.0	1.7	—
REVENUES					
ARRA Energy Efficiency Block Grant	0	0	0	162,980	—
DEP Equip Diesel Emission Reduction	950	0	0	0	—
Grant Fund MCG Revenues	950	0	0	162,980	—
WATER QUALITY PROTECTION FUND					
EXPENDITURES					
Salaries and Wages	1,269,758	2,527,950	2,416,130	2,931,730	16.0%
Employee Benefits	373,932	778,960	711,090	980,700	25.9%
Water Quality Protection Fund Personnel Costs	1,643,690	3,306,910	3,127,220	3,912,430	18.3%
Operating Expenses	4,896,426	5,588,940	5,345,010	6,334,570	13.3%
Capital Outlay	25,306	0	0	28,000	—
Water Quality Protection Fund Expenditures	6,565,422	8,895,850	8,472,230	10,275,000	15.5%
PERSONNEL					
Full-Time	15	20	20	28	40.0%
Part-Time	1	1	1	1	—
Workyears	17.1	32.8	32.8	38.2	16.5%
REVENUES					
Investment Income	120,732	60,000	20,000	60,000	—
Water Quality Protection Charge	8,574,546	10,625,870	10,625,870	11,725,680	10.4%
Water Quality Protection Fund Revenues	8,695,278	10,685,870	10,645,870	11,785,680	10.3%
DEPARTMENT TOTALS					
Total Expenditures	10,578,598	11,909,810	11,227,490	12,374,440	3.9%
Total Full-Time Positions	60	63	63	70	11.1%
Total Part-Time Positions	5	3	3	2	-33.3%
Total Workyears	51.0	52.1	52.1	51.5	-1.2%
Total Revenues	8,747,381	10,775,870	10,735,870	12,088,660	12.2%

FY11 RECOMMENDED CHANGES

	Expenditures	WYs
COUNTY GENERAL FUND		
FY10 ORIGINAL APPROPRIATION	3,013,960	19.3
<u>Changes (with service impacts)</u>		
Reduce: Professional Services, Including Green Business Certification [Environmental Policy and Compliance]	-65,560	0.0
<u>Other Adjustments (with no service impacts)</u>		
Increase Cost: Retirement Adjustment	20,750	0.0
Increase Cost: Maryland Clean Energy Center FY11 Annualization Cost [Environmental Policy and Compliance]	16,200	0.0
Increase Cost: Increase WYs of the Forest Conservation Manager (Sr. Planning Specialist) from 0.8 to 0.9 WYs [Environmental Policy and Compliance]	10,780	0.1
Increase Cost: Group Insurance Adjustment	10,160	0.0
Decrease Cost: Printing and Mail Adjustment [Administration]	-1,220	0.0
Decrease Cost: Annualization of FY10 Personnel Costs	-5,470	0.0
Decrease Cost: IT Training and Computer Maintenance [Administration]	-8,790	0.0
Shift: Personnel Cost of Manager III Related to Support of DSWS Activities to the Division of Solid Waste Services [Administration]	-9,620	-0.1
Decrease Cost: Contractual Services for Professional Support for Outreach/Education, Materials, and Job Advertising [Administration]	-21,000	0.0
Decrease Cost: Motor Pool Rate Adjustment	-22,440	0.0
Decrease Cost: Abolish Part-Time Program Specialist II for the Forest Conservation Program [Environmental Policy and Compliance]	-36,160	-0.5
Decrease Cost: Reduce Gypsy Moth Survey and Suppression [Environmental Policy and Compliance]	-47,000	0.0
Decrease Cost: Furlough Days	-47,130	-0.5
Shift: Miscellaneous Operating Expenses Supporting Water Quality Functions to the Water Quality Protection Fund [Administration]	-53,560	0.0
Decrease Cost: COG Contribution for Trash Treaty and Other Dues [Administration]	-62,700	0.0
Decrease Cost: Reduce Miscellaneous Operating Expenses [Environmental Policy and Compliance]	-90,980	0.0
Decrease Cost: Abolish Planning Specialist III Position Due to Decreased Demand for Water and Sewer Plan Reviews and Category Changes [Administration]	-102,970	-1.0
Shift: Move Relevant Personnel Costs of 3 Positions That Will Work on the ARRA Grant from the General Fund to the Grant [Environmental Policy and Compliance]	-162,980	-1.7
Shift: Personnel Costs Supporting Water Quality Functions to the Water Quality Protection Fund [Administration]	-397,810	-4.0
FY11 RECOMMENDED:	1,936,460	11.6
GRANT FUND MCG		
<u>Other Adjustments (with no service impacts)</u>		
Shift: Move Relevant Personnel Costs of 3 Positions That Will Work on the ARRA Grant from the General Fund to the Grant [Grants]	162,980	1.7
FY11 RECOMMENDED:	162,980	1.7
WATER QUALITY PROTECTION FUND		
FY10 ORIGINAL APPROPRIATION	8,895,850	32.8
<u>Changes (with service impacts)</u>		
Enhance: Maintenance of New and Newly Transferred Stormwater Management Facilities [Watershed Management]	222,200	0.0
Enhance: WQPC Software Development [Watershed Management]	150,000	0.0
Enhance: SM Retrofit - Countywide Facilities (OBI) [Watershed Management]	136,000	0.0
Enhance: Create Program Manager II to Handle Workload Shifted from DGS to DEP	112,020	1.0
Enhance: Below Ground Facility Monitoring and Maintenance for 90 Additional MCPS Stormwater Facilities [Watershed Management]	110,000	0.0
Enhance: New Inspector Position for Below Ground Maintenance [Watershed Management]	105,520	0.8
Enhance: New GIS Technician for Data Analysis to Generate and Manage MS-4 Reporting Data [Watershed Management]	60,930	0.8
Enhance: New Public Administration Intern to Support MS-4 Studies [Watershed Management]	56,870	0.8
Enhance: Inspection of New Stormwater Management Facilities [Watershed Management]	43,970	0.0
Enhance: Miscellaneous Stream Restoration Maintenance (OBI) [Watershed Management]	16,000	0.0
Enhance: SM Retrofit - Governmental Facilities (OBI) [Watershed Management]	12,000	0.0

	Expenditures	WYs
Enhance: Operating Costs for New Engineer III Funded by CIP (0.8 WY) [Watershed Management]	4,880	0.0
Enhance: Operating Costs for New Administrative Specialist III Funded by CIP (0.8 WY) [Watershed Management]	4,280	0.0
Enhance: Operating Costs for New Planning Specialist III Funded by CIP (0.8 WY) [Watershed Management]	4,280	0.0
Reduce: Engineering and Architectural Services for Residential Low Impact Development Stormwater Controls within the Rainscapes Program [Watershed Management]	-50,000	0.0
Reduce: Limit Replacement of Proprietary Filters on Underground Stormwater Management Facilities [Watershed Management]	-140,000	0.0
Other Adjustments (with no service impacts)		
Shift: Move Personnel Costs from the General Fund to the WQPC to Reflect Workload Associated with Programs Funded by the WQPC [Watershed Management]	412,390	4.2
Shift: Lease for Space at 255 Rockville Pike (from Leases NDA) [Watershed Management]	381,370	0.0
Increase Cost: Stream Gauge Maintenance - Funding for Joint Agreements with USGS and for CPI Increase [Watershed Management]	148,470	0.0
Increase Cost: Stormwater Facility Maintenance Contract [Watershed Management]	78,250	0.0
Shift: Move Operating Costs for Programs Funded by the WQPC from the General Fund to the WQPC [Watershed Management]	53,560	0.0
Increase Cost: Annualization of FY10 Personnel Costs [Watershed Management]	38,410	0.0
Increase Cost: Annualization of Positions Approved in FY10 [Watershed Management]	34,490	0.4
Increase Cost: Retirement Adjustment [Watershed Management]	23,830	0.0
Increase Cost: Group Insurance Adjustment [Watershed Management]	22,260	0.0
Increase Cost: Inspection Contract [Watershed Management]	17,890	0.0
Increase Cost: Department of Finance Chargeback [Watershed Management]	14,690	0.0
Increase Cost: City Of Gaithersburg Reimbursement [Watershed Management]	14,300	0.0
Decrease Cost: Printing and Mail Adjustment [Watershed Management]	-450	0.0
Decrease Cost: Printing and Mail [Watershed Management]	-6,380	0.0
Decrease Cost: Stormwater Asset Inventory System, Training, and Other Miscellaneous Operating Costs [Watershed Management]	-14,690	0.0
Decrease Cost: Motor Pool Rate Adjustment [Watershed Management]	-24,310	0.0
Decrease Cost: Stream Restoration Maintenance to Reflect Absence of Major Storm Events in 2009 [Watershed Management]	-50,000	0.0
Decrease Cost: Utilize Targeted Streetsweeping [Watershed Management]	-68,650	0.0
Decrease Cost: Elimination of One-Time Items Approved in FY10 [Watershed Management]	-99,560	0.0
Decrease Cost: Furlough Days [Watershed Management]	-118,270	-1.6
Shift: Reduce charges from DGS to DEP for stormwater facility maintenance contract oversight due to workload transfer to DEP	-122,100	-1.0
Decrease Cost: Reduce Above Ground Maintenance Costs by Prioritizing Repairs [Watershed Management]	-205,300	0.0
FY11 RECOMMENDED:	10,275,000	38.2

PROGRAM SUMMARY

Program Name	FY10 Approved		FY11 Recommended	
	Expenditures	WYs	Expenditures	WYs
Watershed Management	8,895,850	32.8	10,275,000	38.2
Environmental Policy and Compliance	1,472,290	8.6	1,078,380	6.2
Grants	0	0.0	162,980	1.7
Administration	1,541,670	10.7	858,080	5.4
Total	11,909,810	52.1	12,374,440	51.5

CHARGES TO OTHER DEPARTMENTS

Charged Department	Charged Fund	FY10		FY11	
		Total\$	WYs	Total\$	WYs
COUNTY GENERAL FUND					
CIP	CIP	1,043,160	9.4	1,338,630	12.4

FUTURE FISCAL IMPACTS

Title	CE REC.		(\$000's)			
	FY11	FY12	FY13	FY14	FY15	FY16
This table is intended to present significant future fiscal impacts of the department's programs.						
COUNTY GENERAL FUND						
Expenditures						
FY11 Recommended	1,936	1,936	1,936	1,936	1,936	1,936
No inflation or compensation change is included in outyear projections.						
Maryland Clean Energy Center	0	-286	-286	-286	-286	-286
Under the Memorandum of Understanding for the Maryland Clean Energy Center, Montgomery County has pledged to provide full funding for three Center staff in FY10 and FY11. County support for Center staff ends after FY11.						
Motor Pool Rate Adjustment	0	22	22	22	22	22
Restore Personnel Costs	0	47	47	47	47	47
This represents restoration of funding to remove FY11 furloughs.						
Subtotal Expenditures	1,936	1,720	1,720	1,720	1,720	1,720
WATER QUALITY PROTECTION FUND						
Expenditures						
FY11 Recommended	10,275	10,275	10,275	10,275	10,275	10,275
No inflation or compensation change is included in outyear projections.						
Annualization of Positions Recommended in FY11	0	44	44	44	44	44
New positions in the FY11 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.						
Elimination of One-Time Items Recommended in FY11	0	-206	-206	-206	-206	-206
Items recommended for one-time funding in FY11, including computers, a vehicle, and other one-time expenses for 6 new positions, plus new software to administer the Water Quality Protection Charge, will be eliminated from the base in the outyears.						
Down County Stream Gauge Maintenance	0	76	76	76	76	76
DEP has a Joint Funding Agreement with the United States Geological Survey to operate and maintain stream gauges.						
Inspections of New Facilities	0	30	61	91	121	121
These figures represent costs associated with the inspection of new above ground and underground stormwater management facilities projected to come into the Water Quality Protection Program.						
Maintenance of New and Newly Transferred Stormwater Management Facilities	0	192	277	362	447	447
Expenditures reflect the maintenance requirements of new stormwater management facilities and existing stormwater management facilities that transfer into the County's maintenance program.						
Motor Pool Rate Adjustment	0	24	24	24	24	24
Operating Budget Impacts of CIP Projects for Improving Streams and Controlling Stormwater	0	244	916	1,637	2,527	3,236
These figures represent the impacts on the Operating Budget (maintenance, utilities, and staff) of projects included in the County Executive's FY11-16 Recommended Capital Improvements Program.						
Restore Personnel Costs	0	118	118	118	118	118
This represents restoration of funding to remove FY11 furloughs.						
Subtotal Expenditures	10,275	10,797	11,585	12,421	13,427	14,136

ANNUALIZATION OF PERSONNEL COSTS AND WORKYEARS

	FY11 Recommended		FY12 Annualized	
	Expenditures	WYs	Expenditures	WYs
Enhance: New GIS Technician for Data Analysis to Generate and Manage MS-4 Reporting Data [Watershed Management]	55,450	0.8	69,310	1.0
Enhance: New Inspector Position for Below Ground Maintenance [Watershed Management]	72,240	0.8	90,300	1.0
Enhance: New Public Administration Intern to Support MS-4 Studies [Watershed Management]	48,170	0.8	60,210	1.0
Total	175,860	2.4	219,820	3.0

FY11-16 PUBLIC SERVICES PROGRAM: FISCAL PLAN		WATER QUALITY PROTECTION FUND					
FISCAL PROJECTIONS	FY10 ESTIMATE	FY11 RECOMMENDED	FY12 PROJECTION	FY13 PROJECTION	FY14 PROJECTION	FY15 PROJECTION	FY16 PROJECTION
ASSUMPTIONS							
Indirect Cost Rate	13.73%	12.78%	12.78%	12.78%	12.78%	12.78%	12.78%
CPI (Fiscal Year)	1.10%	2.5%	2.7%	3.0%	3.2%	3.4%	3.6%
Investment Income Yield	0.35%	1.5%	2.5%	3.5%	4.4%	4.8%	4.8%
Number of Equivalent Residential Units (ERUs) Total Billed	237,847	242,175	242,175	242,175	242,175	242,175	242,175
Prior Year Credits (\$)	(142,063)	(81,560)	-	-	-	-	-
Number of Gaithersburg ERUs	14,500	14,500	14,500	14,500	14,500	14,500	14,500
Water Quality Protection Charge per ERU	\$45.50	\$49.00	\$60.00	\$68.50	\$85.00	\$93.50	\$110.50
Collection Factor for Charge	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%
BEGINNING FUND BALANCE	3,422,140	1,028,590	643,270	709,540	733,080	793,760	849,520
REVENUES							
Charges For Services	10,625,870	11,725,680	14,457,850	16,506,040	20,481,950	22,530,150	26,626,540
Miscellaneous	20,000	60,000	130,000	240,000	310,000	360,000	400,000
Subtotal Revenues	10,645,870	11,785,680	14,587,850	16,746,040	20,791,950	22,890,150	27,026,540
INTERFUND TRANSFERS (Net Non-CIP)							
Transfers To The General Fund	(490,880)	(557,520)	(536,040)	(500,010)	(500,010)	(500,010)	(500,010)
Indirect Costs	(454,040)	(500,010)	(500,010)	(500,010)	(500,010)	(500,010)	(500,010)
Technology Modernization	(36,840)	(57,510)	(36,030)	0	0	0	0
Transfers to Debt Service Fund (Non-Tax)	0	(413,480)	(1,633,230)	(2,532,750)	(5,266,988)	(6,135,200)	(8,960,540)
TOTAL RESOURCES	13,577,130	11,843,270	13,061,850	14,422,820	15,758,032	17,048,700	18,415,510
CIP CURRENT REVENUE APPROP. PSP OPER. BUDGET APPROP/ EXP'S.							
Operating Budget	(8,472,230)	(10,275,000)	(10,629,910)	(11,029,900)	(11,467,980)	(11,947,440)	(12,471,920)
Annualizations and One-Time (PC)	n/a	n/a	(162,230)	(162,230)	(162,230)	(162,230)	(162,230)
Annualizations and One-Time (OE)	n/a	n/a	178,100	178,100	178,100	178,100	178,100
Annualization and One-Time (CO)	n/a	n/a	28,000	28,000	28,000	28,000	28,000
Motor Pool Rate Adjustment	n/a	n/a	(24,310)	(24,310)	(24,310)	(24,310)	(24,310)
FFIs - Down County Stream Gauge Maintenance	n/a	n/a	(76,010)	(76,010)	(76,010)	(76,010)	(76,010)
FFIs - Inspections of New Facilities	n/a	n/a	(30,260)	(60,520)	(90,780)	(121,040)	(121,040)
FFIs - Maintenance of New and Transferred Facilities	n/a	n/a	(191,690)	(276,870)	(362,060)	(447,250)	(447,250)
FFIs - Operating Budget Impacts of CIP Projects	n/a	n/a	(244,000)	(916,000)	(1,637,000)	(2,527,000)	(3,236,000)
Subtotal PSP Oper Budget Approp / Exp's	(8,472,230)	(10,275,000)	(11,152,310)	(12,339,740)	(13,614,270)	(15,099,180)	(16,332,660)
OTHER CLAIMS ON FUND BALANCE	(1,335,310)	0	0	0	0	0	0
TOTAL USE OF RESOURCES	(12,548,540)	(11,200,000)	(12,352,310)	(13,689,740)	(14,964,270)	(16,199,180)	(17,432,660)
YEAR END FUND BALANCE	1,028,590	643,270	709,540	733,080	793,760	849,520	982,850
END-OF-YEAR RESERVES AS A PERCENT OF RESOURCES							
	7.6%	5.4%	5.4%	5.1%	5.0%	5.0%	5.3%
Assumptions:							
1. 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 not assumed here to fee or tax rates, usage, inflation, future labor agreements, and other factors not assumed here.							
2. 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).							
3. Residential and associated non-residential property stormwater facilities will be maintained to permit standards as they are phased into the program.							
4. Operating costs for new facilities to be completed or transferred between FY11 and FY16 have been incorporated in the future fiscal impact (FFI) rows.							
5. Charges are adjusted to maintain a balance of approximately 5 percent. For purposes of analysis, general rate increases are shown in FY12, FY13, FY14, FY15, and FY16.							
6. 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.							