Environmental Protection

MISSION STATEMENT

The mission of the Department of Environmental Protection (DEP) is to protect and enhance the quality of life in our community through conservation, preservation, and restoration of our environment, guided by the principles of science, resource management, sustainability, and stewardship.

BUDGET OVERVIEW

The total recommended FY07 Operating Budget for the Department of Environmental Protection is $8,398,960, an increase of $266,140 or 3.3 percent from the FY06 Approved Budget of $8,132,820. Personnel Costs comprise 53.3 percent of the budget for 53 full-time positions and seven part-time positions for 46.9 workyears. Operating Expenses account for the remaining 46.7 percent of the FY07 budget.

Not included in the above recommendation is a total of $1,481,060 and 12.2 workyears that are charged to: Capital Improvements Program - CIP ($610,780, 5.9 WYs); Water Quality Protection Fund ($75,330, 0.9 WY); and Solid Waste Disposal ($794,950, 5.4 WYs). The funding and workyears for these items are included in the receiving departments' budgets.

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

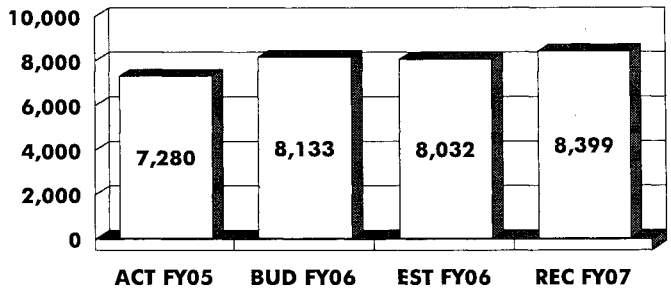
HIGHLIGHTS

- ***Improve air quality through implementation of the Clean Energy Rewards program, which will provide financial incentives to buyers of clean alternative energy, reducing reliance on fossil fuels.***
- ***Reduce tree damage and loss by partnering with the State to implement the gypsy moth suppression program.***
- ***Inventory all County storm drain outfalls to facilitate more timely and effective pollutant clean-up and enforcement.***
- ***Enhance water quality by providing easement preparation assistance to expedite transfer of over 930 stormwater management facilities into the County Water Quality Protection program.***
- ***Develop and apply analytical tools to identify and monitor data on tree canopy and forests to implement the County's Forest Preservation Strategy.***
- ***Conduct targeted streetsweeping to reduce pollution and protect watersheds.***
- ***Productivity Enhancements***
  - Reduced time required for stream flow

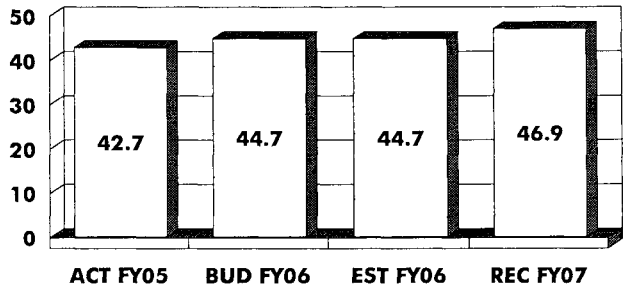
Program Summary

	Expenditures	*WYs*
Watershed Management	4,806,080	20.0
Environmental Policy and Compliance	1,787,370	12.2
Administration	1,805,510	14.7
Totals	**8,398,960**	**46.9**

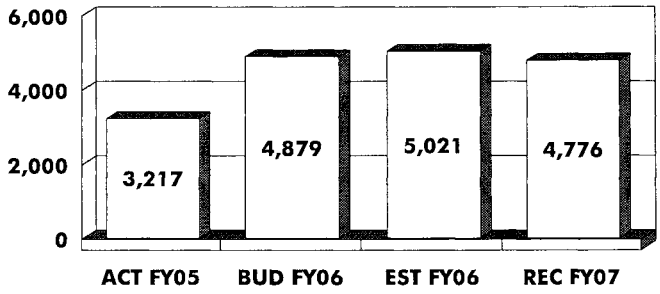
Trends



EXPENDITURES [$000s]



WORKYEARS



RELATED REVENUES [$000s]

measurements from 30 minutes to one minute through the use of handheld meters.
- ***Saved several thousands of dollars by placing more information on the Department's web page.***
- ***Developed a software program to facilitate efficient transfer of field data into the water quality database.***

PROGRAM CONTACTS

Contact Millie Souders of the Department of Environmental Protection at 240.777.7732 or Doug Weisburger of the Office of Management and Budget at 240.777.2762 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 which address County stream protection goals (Chapter 19, Article IV). This includes assessment of 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 aspects of the Federal Clean Water Act National Pollutant Discharge Elimination System (NPDES) permit requirements 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 3,000 stormwater management facilities which control impacts from stormwater runoff to protect County streams. DEP is also presently responsible for the structural maintenance of over 600 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.

FY07 Recommended Changes

- ❑ ***Inventory all County storm drain outfalls to facilitate more timely and effective pollutant clean-up and enforcement.***
- ❑ ***Enhance water quality by providing easement preparation assistance to expedite transfer of over 930 stormwater management facilities into the County Water Quality Protection program.***
- ❑ ***Conduct targeted street sweeping to reduce pollution and protect watersheds.***
- ❑ ***Decrease the Water Quality Protection charge from $19.35 to $18.20.***

	Expenditures	WYs
FY06 Approved	4,941,160	19.3
FY07 CE Recommended	4,806,080	20.0

Environmental Policy and Compliance

This program develops and implements scientifically-based, integrated programs which promote the highest environmental quality. Work is performed in three areas: policy, planning, and environmental compliance. The division develops, analyzes, and enforces policies and regulations for air quality (ambient and indoor), energy conservation, noise control, pollution prevention, NPDES permit and the County's Forest Preservation Strategy. The division is also responsible for environmental monitoring of the County's solid waste facilities, (landfills, incinerator, compost facility, and depots); coordination of responses on all legislative referrals at the local, state and federal levels; environmental protection and resource management issues; and participates in and contributes to local and regional task forces, committees, and various advisory groups.

FY07 Recommended Changes

- ❑ ***Improve air quality through implementation of the Clean Energy Rewards program, which will provide financial incentives to buyers of clean alternative energy, reducing reliance on fossil fuels.***
- ❑ ***Reduce tree damage and loss by partnering with the State to implement the gypsy moth suppression program.***
- ❑ ***Develop and apply analytical tools to identify and monitor data on tree canopy and forests to implement the County's Forest Preservation Strategy.***
- ❑ ***Shift $190,000 in tree planting operating expenses to DPWT's Tree Maintenance program.***

	Expenditures	WYs
FY06 Approved	1,486,390	11.1
FY07 CE Recommended	1,787,370	12.2

Administration

Overall administration of DEP is carried out through the Director's Office, which provides policy development and leadership for all departmental programs. The Administrative Services Section is responsible for administrative, financial, budget oversight, human resources management, communications, operational, and technology services. The Director's Office also supports a centrally-coordinated public education element which promotes better community understanding of environmental issues and services provided through the Department.

In addition, this program is responsible for the planning, development and administration of water supply and wastewater policies for the County, including development of the state-required Montgomery County Comprehensive Water Supply and Sewerage System Plan; development and implementation of the County groundwater strategy which focuses on water quality and water supply aspects of groundwater resources. Accordingly, this program provides the department and the County with a comprehensive and technically based team of experts in water and wastewater focused on promoting public health and environmental

protection.

FY07 Recommended Changes

	Expenditures	WYs
FY06 Approved	**1,705,270**	**14.3**
FY07 CE Recommended	**1,805,510**	**14.7**

BUDGET SUMMARY

	Actual FY05	Budget FY06	Estimated FY06	Recommended FY07	% Chg Bud/Rec
COUNTY GENERAL FUND					
EXPENDITURES					
Salaries and Wages	2,196,016	2,465,940	2,358,900	2,577,090	4.5%
Employee Benefits	681,854	791,200	754,490	865,390	9.4%
County General Fund Personnel Costs	***2,877,870***	***3,257,140***	***3,113,390***	***3,442,480***	***5.7%***
Operating Expenses	849,631	965,970	1,000,380	1,209,650	25.2%
Capital Outlay	0	0	0	0	—
County General Fund Expenditures	***3,727,501***	***4,223,110***	***4,113,770***	***4,652,130***	***10.2%***
PERSONNEL					
Full-Time	43	46	46	45	-2.2%
Part-Time	6	5	5	6	20.0%
Workyears	33.2	34.2	34.2	35.4	3.5%
REVENUES					
Civil Citations - DEP	0	4,000	4,000	4,000	—
SPA Monitoring Fee	168,150	200,000	200,000	200,000	—
Water and Sewer Plan Review Fee	0	71,000	65,000	65,000	-8.5%
County General Fund Revenues	***168,150***	***275,000***	***269,000***	***269,000***	***-2.2%***
GRANT FUND MCG					
EXPENDITURES					
Salaries and Wages	1,500	19,670	19,670	0	—
Employee Benefits	493	5,050	5,050	0	—
Grant Fund MCG Personnel Costs	***1,993***	***24,720***	***24,720***	***0***	—
Operating Expenses	9,944	4,470	11,550	0	—
Capital Outlay	0	0	0	0	—
Grant Fund MCG Expenditures	***11,937***	***29,190***	***36,270***	***0***	—
PERSONNEL					
Full-Time	1	0	0	0	—
Part-Time	0	0	0	0	—
Workyears	0.5	0.5	0.5	0.0	—
REVENUES					
Great Seneca Creek Monitoring	3,797	29,190	29,190	0	—
CBT Rain Barrels and Rainscapes	6,140	0	0	0	—
Remote High Hazard Dam Monitoring 5% Initiative	0	0	7,080	0	—
Cities For Climate Protection	2,000	0	0	0	—
Grant Fund MCG Revenues	***11,937***	***29,190***	***36,270***	***0***	—
WATER QUALITY PROTECTION FUND					
EXPENDITURES					
Salaries and Wages	567,043	689,290	671,070	819,380	18.9%
Employee Benefits	160,875	198,410	202,160	213,230	7.5%
Water Quality Protection Fund Personnel Costs	***727,918***	***887,700***	***873,230***	***1,032,610***	***16.3%***
Operating Expenses	2,812,524	2,992,820	3,009,050	2,714,220	-9.3%
Capital Outlay	0	0	0	0	—
Water Quality Protection Fund Expenditures	***3,540,442***	***3,880,520***	***3,882,280***	***3,746,830***	***-3.4%***
PERSONNEL					
Full-Time	6	8	8	8	—
Part-Time	0	0	0	1	—
Workyears	9.0	10.0	10.0	11.5	15.0%

	Actual FY05	Budget FY06	Estimated FY06	Recommended FY07	% Chg Bud/Rec
REVENUES					
Miscellaneous	450	0	0	0	—
Investment Income	61,395	70,000	140,000	160,000	128.6%
Water Quality Protection Charge	2,975,284	4,504,370	4,575,980	4,347,070	-3.5%
Water Quality Protection Fund Revenues	***3,037,129***	***4,574,370***	***4,715,980***	***4,507,070***	***-1.5%***
DEPARTMENT TOTALS					
Total Expenditures	**7,279,880**	**8,132,820**	**8,032,320**	**8,398,960**	**3.3%**
Total Full-Time Positions	**50**	**54**	**54**	**53**	**-1.9%**
Total Part-Time Positions	**6**	**5**	**5**	**7**	**40.0%**
Total Workyears	**42.7**	**44.7**	**44.7**	**46.9**	**4.9%**
Total Revenues	**3,217,216**	**4,878,560**	**5,021,250**	**4,776,070**	**-2.1%**

FY07 RECOMMENDED CHANGES

	Expenditures	WYs
COUNTY GENERAL FUND		
FY06 ORIGINAL APPROPRIATION	**4,223,110**	**34.2**
Changes (with service impacts)		
Add: Clean Energy Rewards [Environmental Policy and Compliance]	361,000	0.0
Add: Gypsy Moth Suppression [Environmental Policy and Compliance]	51,000	0.0
Add: Sampling of Downtown Silver Spring Groundwater [Administration]	9,000	0.0
Enhance: Gypsy Moth Survey [Environmental Policy and Compliance]	6,000	0.0
Other Adjustments (with no service impacts)		
Increase Cost: FY07 Compensation	145,420	0.0
Increase Cost: Group Insurance Adjustment	49,170	0.0
Increase Cost: Annualization of FY06 Lapsed Positions [Environmental Policy and Compliance]	45,520	0.5
Shift: Grant funded stream monitoring: 0.5 WY Group Public Services Intern position [Watershed Management]	29,190	0.5
Increase Cost: Motor Pool charges	26,860	0.0
Shift: CIP Charges to General Fund [Administration]	14,910	0.3
Increase Cost: Retirement Adjustment	14,370	0.0
Increase Cost: Records Management	1,010	0.0
Decrease Cost: Annualization of FY06 Personnel Costs	-9,710	0.2
Shift: Manager III Cost to Water Quality Protection Fund [Watershed Management]	-13,770	-0.1
Decrease Cost: Elimination of One-Time Items Approved in FY06	-41,190	-0.5
Decrease Cost: Increase charges to the Solid Waste Fund [Environmental Policy and Compliance]	-69,760	0.3
Shift: Tree planting operating expenses to DPWT [Environmental Policy and Compliance]	-190,000	0.0
FY07 RECOMMENDED:	**4,652,130**	**35.4**
GRANT FUND MCG		
FY06 ORIGINAL APPROPRIATION	**29,190**	**0.5**
Other Adjustments (with no service impacts)		
Shift: WSSC Grant: Water quality monitoring at Great Seneca Wastewater treatment plant [Watershed Management]	-29,190	-0.5
FY07 RECOMMENDED:	**0**	**0.0**
WATER QUALITY PROTECTION FUND		
FY06 ORIGINAL APPROPRIATION	**3,880,520**	**10.0**
Changes (with service impacts)		
Enhance: Phase-in inspection and maintenance of residential & associated non-residential facilities [Watershed Management]	113,680	0.0
Add: GIS Mapping of drainage areas for major outfalls [Watershed Management]	110,000	0.0
Add: Easement preparation and property research [Watershed Management]	100,000	0.0
Enhance: Phase-in of Gaithersburg stormwater management facilities [Watershed Management]	81,780	0.0
Enhance: Miscellaneous inspections, engineering, and permitting [Watershed Management]	13,370	0.0
Reduce: Manager III position [Watershed Management]	-131,080	-1.0

	Expenditures	WYs
Other Adjustments (with no service impacts)		
Increase Cost: Annualization of FY06 Lapsed Positions [Watershed Management]	72,820	1.0
Increase Cost: Program Manager II position [Watershed Management]	66,160	0.8
Increase Cost: Senior Financial Specialist position [Watershed Management]	62,970	0.7
Increase Cost: Miscellaneous Operating Expenses [Watershed Management]	39,360	0.0
Increase Cost: FY07 Compensation [Watershed Management]	31,980	0.0
Increase Cost: Annualization of FY06 Personnel Costs [Watershed Management]	28,450	0.0
Increase Cost: Motor Pool charges [Watershed Management]	24,000	0.0
Shift: Manager III Cost to Water Quality Protection Fund [Watershed Management]	13,770	0.1
Increase Cost: Maintenance of CIP sub-projects completed under the Misc. Stream Valley Improvements project [Watershed Management]	8,900	0.0
Increase Cost: Group Insurance Adjustment [Watershed Management]	4,170	0.0
Increase Cost: Retirement Adjustment [Watershed Management]	2,510	0.0
Increase Cost: Charges for Record Management [Watershed Management]	180	0.0
Decrease Cost: Reduce charges from others [Watershed Management]	-2,780	-0.1
Decrease Cost: Maintenance of M-NCPPC stormwater management facilities [Watershed Management]	-21,880	0.0
Decrease Cost: Elimination of One-Time Items Approved in FY06 [Watershed Management]	-76,520	0.0
Decrease Cost: Inspection and maintenance of County government facilities [Watershed Management]	-225,530	0.0
Shift: Charges to CIP: SM Facility Major Structural Repair project [Watershed Management]	-450,000	0.0
FY07 RECOMMENDED:	**3,746,830**	**11.5**

FUTURE FISCAL IMPACTS

Title	CE REC. FY07	FY08	FY09	($000's) FY10	FY11	FY12
This table is intended to present significant future fiscal impacts of the department's programs.						
COUNTY GENERAL FUND						
Expenditures						
FY07 Recommended	**4,652**	**4,652**	**4,652**	**4,652**	**4,652**	**4,652**
No inflation or compensation change is included in outyear projections.						
Labor Contracts	**0**	**43**	**43**	**43**	**43**	**43**
These figures represent the annualization of FY07 increments, general wage adjustments, and associated benefits.						
Gypsy Moth Suppression	**0**	**69**	**69**	**39**	**9**	**9**
Figures are based on estimated gypsy moth population trends and represent Montgomery County's cost-share, in partnership with the State of Maryland and the Federal Government, for spraying requirements to suppress damage on priority forest and shade trees.						
Gypsy Moth Survey	**0**	**9**	**9**	**4**	**0**	**0**
Figures are based on projected moth population trends and represent Montgomery County's estimated 50 percent cost-share of surveying costs in partnership with the State of Maryland.						
Subtotal Expenditures	***4,652***	***4,774***	***4,774***	***4,739***	***4,705***	***4,705***
WATER QUALITY PROTECTION FUND						
Expenditures						
FY07 Recommended	**3,747**	**3,747**	**3,747**	**3,747**	**3,747**	**3,747**
No inflation or compensation change is included in outyear projections.						
Annualization of Positions Recommended in FY07	**0**	**17**	**17**	**17**	**17**	**17**
One new position in the FY07 budget is assumed to be filled at least two months after the fiscal year begins. Therefore, the above amounts reflect annualization of this position in the outyears.						
Elimination of One-Time Items Recommended in FY07	**0**	**-110**	**-110**	**-110**	**-110**	**-110**
Mapping of drainage areas for major outfalls is recommended for one-time funding in FY07 and will be eliminated from the base in the outyears.						
Labor Contracts	**0**	**11**	**11**	**11**	**11**	**11**
These figures represent the annualization of FY07 increments, general wage adjustments, and associated benefits.						
County Government Stormwater Management Facilities	**0**	**11**	**23**	**35**	**48**	**61**
These figures represent costs associated with the maintenance and inspection of new Montgomery County Government above and underground stormwater management facilities projected to come into the water quality protection program.						
Easement Preparation Assistance	**0**	**0**	**0**	**-100**	**-100**	**-100**
In order to expedite transfer of over 930 stormwater management facilities into the County Water Quality Protection program, the County will provide easement preparation assistance during FY07-09 after which funding can be removed from the base.						
Maintenance of M-NCPPC Stormwater Management Facilities	**0**	**-50**	**-259**	**-250**	**-241**	**-232**
Outyear expenditure reductions for the maintenance of M-NCPPC above and underground stormwater management facilities reflect decreasing deferred maintenance and establishment of a regular cycle of maintenance beginning in FY09.						

Title	CE REC. FY07	FY08	FY09	($000's) FY10	FY11	FY12
Miscellaneous CIP Projects	**0**	**83**	**98**	**113**	**128**	**143**
Increased expenditures in outyears reflect on-going maintenance costs associated with the completion of new CIP projects including Stream Valley Improvements, Montclair Manor Flood Mitigation, and Watershed Restoration - Interagency.						
New Positions	**0**	**0**	**75**	**75**	**75**	**150**
Given the significant growth in the transfer of stormwater management facilities into the Water Quality Protection program, it is estimated that additional engineer and inspector positions will be needed in FY09 and FY12 respectively.						
Phase-in maintenance of residential and associated non-residential stormwater facilities	**0**	**41**	**85**	**109**	**134**	**160**
The number of facilities to be maintained increases over time due to growth and program enrollment.						
Subtotal Expenditures	***3,747***	***3,750***	***3,687***	***3,647***	***3,708***	***3,847***

FY07-12 PUBLIC SERVICES PROGRAM: FISCAL PLAN			WATER QUALITY PROTECTION FUND				
FISCAL PROJECTIONS	FY06 ESTIMATE	FY07 REC	FY08 PROJECTION	FY09 PROJECTION	FY10 PROJECTION	FY11 PROJECTION	FY12 PROJECTION
ASSUMPTIONS							
Indirect Cost Rate	12.60%	**12.76%**	12.76%	12.76%	12.76%	12.76%	12.76%
CPI (Fiscal Year)	3.7%	**2.6%**	2.6%	2.7%	2.7%	2.7%	2.7%
Investment Income Yield	4.2%	**4.6%**	4.7%	4.7%	4.8%	4.9%	4.9%
Number of Equivalent Residential Units (ERU)	237,673	**240,050**	242,451	244,875	247,324	249,797	252,295
Rate per ERU	19.35	**18.20**	18.20	16.70	16.70	16.70	16.70
Collection Factor for Charge	99.5%	**99.5%**	99.5%	99.5%	99.5%	99.5%	99.5%
BEGINNING FUND BALANCE	**70,610**	**340,830**	**519,310**	**723,250**	**674,570**	**688,880**	**689,530**
REVENUES							
Charges For Services	4,575,980	**4,347,070**	**4,390,540**	**4,068,970**	**4,109,660**	**4,150,750**	**4,192,260**
Investment Income	140,000	**160,000**	170,000	180,000	190,000	200,000	210,000
Subtotal Revenues	**4,715,980**	**4,507,070**	**4,560,540**	**4,248,970**	**4,299,660**	**4,350,750**	**4,402,260**
INTERFUND TRANSFERS (Net Non-CIP)	**(111,850)**	**(131,760)**	**(131,760)**	**(131,760)**	**(131,760)**	**(131,760)**	**(131,760)**
Transfers To The General Fund	(111,850)	(131,760)	(131,760)	(131,760)	(131,760)	(131,760)	(131,760)
Indirect Costs	(111,850)	(131,760)	(131,760)	(131,760)	(131,760)	(131,760)	(131,760)
TOTAL RESOURCES	**4,674,740**	**4,716,140**	**4,948,090**	**4,840,460**	**4,842,470**	**4,907,870**	**4,960,030**
CIP CURRENT REVENUE APPROP.	**(451,630)**	**(450,000)**	**(500,000)**	**(500,000)**	**(525,000)**	**(525,000)**	**(550,000)**
PSP OPER. BUDGET APPROP/ EXP'S.							
Operating Budget	(3,882,280)	**(3,746,830)**	(3,641,840)	(3,492,890)	(3,440,590)	(3,490,340)	(3,542,230)
Labor Agreement	n/a	**0**	0	0	0	0	0
Annualizations and One-Time	n/a	**n/a**	0	0	0	0	0
FFIs from CIP projects and Est. Staffing Requirements	n/a	**n/a**	(83,000)	(173,000)	(188,000)	(203,000)	(293,000)
Subtotal PSP Oper Budget Approp / Exp's	**(3,882,280)**	**(3,746,830)**	**(3,724,840)**	**(3,665,890)**	**(3,628,590)**	**(3,693,340)**	**(3,835,230)**
OTHER CLAIMS ON FUND BALANCE	**0**	**0**	**0**	**0**	**0**	**0**	**0**
TOTAL USE OF RESOURCES	**(4,333,910)**	**(4,196,830)**	**(4,224,840)**	**(4,165,890)**	**(4,153,590)**	**(4,218,340)**	**(4,385,230)**
YEAR END FUND BALANCE	**340,830**	**519,310**	**723,250**	**674,570**	**688,880**	**689,530**	**574,800**
END-OF-YEAR RESERVES AS A PERCENT OF RESOURCES	**7.3%**	**11.0%**	**14.6%**	**13.9%**	**14.2%**	**14.0%**	**11.6%**

Assumptions:

1. These projections are based on the Executive's Recommended budget and include negotiated labor agreements, the operating costs of capital facilities, the fiscal impact of approved legislation or regulations, and other programmatic commitments. The projected future expenditures, revenues, and fund balances may vary based on changes to charges, usage, inflation, future labor agreements, and other factors not assumed here.
2. The labor contract with the Municipal and County Government Employees Organization, Local 1994 expires at the end of FY07.
3. 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.
4. Residential and associated non-residential property stormwater facilities will be maintained to permit standards as they are phased into the program.
5. Charges are adjusted to maintain a balance of 10-15 percent of resources.
6. Operating costs for new facilities completed between FY07-FY12, and estimated Personnel Costs for two new staff members (FY09 and FY12), have been incorporated in the Future Fiscal Impact (FFI) row.
7. If the WQPC is used to fund other water resource protection programs beyond its current scope, the fund balance policy will be reevaluated.