

T&E Committee #3
April 22, 2015

Worksession

MEMORANDUM

April 21, 2015

TO: Transportation, Infrastructure, Energy & Environment Committee

FROM: *KL* Keith Levchenko, Senior Legislative Analyst

SUBJECT: **FY16 Operating Budget: Department of Environmental Protection (DEP)**

Budget Summary

- General Fund
 - Recommended to increase by \$205,428 (or 11.1 percent). Almost all of this increase is related to increased tree planting dollars (+\$200,000) related to the County's tree canopy law (supported by dedicated revenue).
 - No changes in positions or FTEs.
- Water Quality Protection Fund
 - Recommended to increase by \$2.75 million (or 13.4 percent). Most of the increase is for inspections and maintenance of additional facilities, chargebacks, personnel cost adjustments, and the move of DOT's streetsweeping costs to the Fund.
 - Three new positions requested.
- CIP Amendment (March 16): Storm Drain Culvert Replacement (+\$1.6 million in FY16, Source of Funds: WQPF) for Connecticut Avenue culvert replacement and repair of Sunflower Drive culvert.
- CIP Amendments (April 20): including funding changes to a number of stormwater management projects and increased funding in the Facility Planning: SM project.

Council Staff Recommendation

- Approve the FY16 DEP General Fund budget as recommended by the County Executive, with the currently unbudgeted fiscal impacts from Bill 6-14 from FY15 added to the FY16 Reconciliation List (\$214,529 and three positions).
- Approve the FY16 DEP Water Quality Protection Fund Budget as recommended by the County Executive.
- Approve the County Executive's Water Quality Protection Charge ERU rate recommendation of \$88.40. *NOTE: Action on the ERU rate resolution is scheduled for May 13.*
- Approve the Executive's recommended CIP Amendment for the Storm Drain Culvert Replacement project.

Attachments to this Memorandum:

- County Executive's Recommended FY16 Operating Budget – DEP Section (©1-8)
- DEP General Fund FY16 Operating Expenses Breakout (©9)
- Update on MyGreenMontgomery.org (©10-11)
- Gypsy Moth Suppression Program Detail (©12)
- Code Enforcement Case Workload (©13)
- Water Quality Protection Fund Summary Charts – Major Changes FY15-16 (©14-16)
- Chart: Monthly Revenue from the Bag Tax (©17)
- March 16 CIP Amendment Transmittal from the County Executive: Storm Drain Culvert Replacement (©18-21)
- April 20 CIP Amendment Transmittal from the County Executive: Various Stormwater Management Projects (©22-23)

Meeting Participants Include:

- Lisa Feldt, Director, Department of Environmental Protection (DEP)
- Steve Shofar, Chief, Watershed Management Division, DEP
- Stan Edwards, Chief, Division of Environmental Policy and Compliance, DEP
- Dave Lake, Water and Wastewater Group Chief, DEP
- Amy Stevens, Stormwater Facility Inspection and Maintenance Manager, DEP
- Bill Broglie, Chief, Management Services, DEP
- Vicky Wan, Water Quality Protection Charge Manager, DEP
- Michelle Hwang, Senior Financial Specialist, DEP
- Elyse Greenwald, Management and Budget Specialist, Office of Management and Budget

Department Structure

DEP is organized into four broad program areas. These programs are summarized below:

- **Solid Waste Services** (*reviewed separately as part of Agenda Item #4*)
- **Watershed Management**
 - Watershed-based monitoring, planning, policy development, and project implementation activities (including NPDES-MS4 permit compliance)
 - Stormwater Facility Maintenance
- **Environmental Policy and Compliance**
 - Development and implementation of scientifically-based programs in areas such as climate protection, energy conservation, air quality, noise abatement, forest and tree resources, and surface and groundwater quality
 - Environmental monitoring of solid waste facilities
 - Enforcement of environmental laws in areas such as noise, pollution, air, and water quality
- **Director's Office**
 - Overall management and administration to the Department, including finance, automation, personnel issues, and other areas
 - Policy development and leadership for all programs
 - Centrally coordinated public education element
 - Water and wastewater management and coordination

For this budget review, an overview of DEP (including the General Fund and Water Quality Protection Fund (WQPF)) is presented first. More detailed discussion is presented by fund (General Fund, followed by the WQPF) later in this memorandum.

Department Overview

Table #1
DEP Expenditures and Positions/FTEs (GF and WQPF)

	Actual FY14	Approved FY15	CE Rec FY16	Change FY16-FY15	
				\$\$\$	%
Personnel Costs	8,501,630	9,436,750	9,898,198	461,448	4.9%
Operating Expenses	11,403,037	12,879,107	15,431,127	2,552,020	19.8%
Capital Outlay	-	56,000	-	(56,000)	-100.0%
Total	19,904,667	22,371,857	25,329,325	2,957,468	13.2%
Full-Time Positions	82	87	91	4	4.6%
Part-Time Positions	2	3	2	-1	n/a
FTEs	92.88	97.48	99.78	2.30	2.4%

For FY16, the Executive recommends total expenditures of \$25.3 million for the Department of Environmental Protection, a 13.2 percent increase from the FY15 Approved Budget. These numbers include expenditures in the General Fund and the WQPF. No grant-funded expenditures are assumed in FY16 at this time. Also, the Solid Waste Services budget will be reviewed as part of a separate agenda item and is not included in the above numbers. The FY16 General Fund portion of the budget is up 11.1 percent. The WQPF is up 13.4 percent for FY16.

Overall, the WQPF is 92 percent of the total DEP budget (not counting Solid Waste Services) for FY16. This ratio is essentially unchanged from FY15. However, for comparison, the WQPF was less than half the DEP budget in FY06 prior to the major expansion in program expenditures to address the requirements of the County's current National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit.

Not included in Table #1 are charges to the CIP. In addition to CIP current revenue, beginning in FY11, the WQPF began debt financing some projects. As the debt financing has ramped up, the debt service requirement has as well. Debt service in FY15 through FY16 is estimated at about \$3 million each year. However, that number ramps up to \$7.4 million in FY17-FY18 and \$12.6 million in FY19. (see ©8, "Transfers to Debt Service Fund"), with marginal increases in later years.

DEP also charges 5 FTEs (about \$805,627) to the Solid Waste Collection and Disposal Funds for environmental monitoring activities of the Gude and Oaks closed landfills, as well as portions of staff time in the Director's office related to administrative functions for the Division of Solid Waste.

Position Changes and Lapse

The Office of Sustainability (added by the Council via Bill 6-14 last year) was discussed by the Committee on April 16 and DEP was asked by the Committee to prioritize additional resources it needs within the office. Council Staff has suggested some additional resources (based on the Executive's fiscal impact statement for Bill 6-14 from last year) which are noted later in this memorandum.

The Executive is not recommending any major reorganization in DEP for FY16. However, three new positions are requested as described below by DEP staff:

- ***Program Manager I in the Stormwater Facility Inspection program (Water Quality Protection Fund).*** Regular, ongoing inspection program for stormwater management facilities is required under MS4 permit; to mitigate risk of facility failure and resulting property damage and more costly repairs. We have seen the total inspections more than double over the past 5 years – currently over 9,000 facilities require inspection.
- ***Planning Specialist III (Water Quality Protection Fund).*** We are required to maintain and update the Comprehensive Water Supply and Sewerage Systems Plan (CWSP/Ten Year Plan) that deals with water supply and sewerage system needs; and to review and act on proposed plan amendments (including category changes) timely. This position replaces a planning specialist position lost during a prior period of cut-backs.
- ***Administrative Specialist II – Contracts (Capital Improvement Program (CIP)).*** The Stormwater Management CIP budget has increased twelvefold over the past five years (to an annual level of \$60 million FY16-21). Over this same period, the volume of contract actions has more than doubled as we have ramped up our Capital Improvement Program to meet the MS4 target for restoration of impervious area.

DEP's recommended FY budgeted lapse rate for FY16 (not including Solid Waste) is about 1.9 percent (3.3 percent in the General Fund and 1.6 percent in the WQPF). These rates seem quite low, given that DEP's vacancies have averaged about 10 in recent years. DEP staff have noted that vacancies during FY15 have averaged 9 to 13 per month (11 of which are funded from the CIP and the WQPF). The County Executive's FY15 savings plan and hiring freeze have certainly had an impact. All of the positions, with the exception of a new part-time position in the Office of Sustainability for data analysis and research (which DEP plans to keep vacant and use contract dollars to perform the tasks) are in various stages of the recruitment process and are planned to be filled by early FY16.

Most of the vacancies tend to be partially or fully funded from the WQPF. Adjusting lapse in the WQPF is doable but of minimal value, as any excess dollars in the Fund carry over to the next year in the form of starting fund balance, and future rates are set accordingly.

For the DEP General Fund budget, a 3.3 percent lapse rate is reasonable for a typical County Government budget, although as noted above, DEP has experienced high vacancy rates in recent years.

General Fund Budget

Overview

Table #2
DEP Expenditures and Positions/FTEs

General Fund	Actual FY14	Approved FY15	CE Rec FY16	Change FY16-FY15	
				\$\$\$	%
Personnel Costs	1,294,548	1,559,790	1,572,123	12,333	0.8%
Operating Expenses	224,465	290,280	483,375	193,095	66.5%
Capital Outlay		-	-	-	-
Total	1,519,013	1,850,070	2,055,498	205,428	11.1%
Full-Time Positions	40	41	41	-	0.0%
Part-Time Positions	1	2	2	-	0.0%
FTEs	11.49	13.09	13.09	-	0.0%

As shown in Table #2, for FY16, General Fund expenditures in the DEP budget are recommended to increase by \$205,428 (or 11.1 percent). However, almost all of this increase is related to increased tree planting dollars (+\$200,000) related to the County's tree canopy law (discussed later). Full-time and part-time position totals remain unchanged. Note: the FTEs total is much less than the position totals because many of the positions reflected in the General Fund budget have significant portions of their costs and FTEs charged to the WQPF.

Summary Crosswalk from FY15 to FY16

A crosswalk of all major expenditure changes is included in the Recommended General Fund Budget for DEP (see ©6). Most of the FY16 adjustments involve technical adjustments, such as compensation and benefits, annualizations, and internal service cost changes (e.g., motor pool and printing and mail). The one substantive change is a \$200,000 increase (from \$50,000 to \$250,000) for tree purchases and planting activities (which is assumed to be offset by an equivalent amount of new revenue). This program was begun in FY15 in response to Bill 35-12 (Tree Canopy Law) and is discussed in more detail later. Apart from the increased tree planting dollars, the General Fund budget is only increasing 0.3 percent (even including FY16 compensation adjustments (+\$44,218)).

Operating Expenses

The Recommended budget includes \$483,575 in operating expenses, which is an increase of \$193,105 (or 66.6 percent) from FY15 (see ©9 for a detailed breakout), with all of the increase related to increased tree planting dollars (\$200,000). Many operating expense categories involve administrative expenses (such as motor pool, printing and mail, office supplies, etc.). The non-administrative dollars are for:

- \$250,000 for Tree Planting (up from \$50,000 in FY15)
- \$20,000 for Professional Services - Green Building Certification Program (same as FY15)
- \$15,450 for gypsy moth suppression (same as FY15)
- \$124,310 for Professional Services – Office of Sustainability (research & data analysis; outreach; website development/maintenance) (mostly funded from position lapse).

General Fund Workforce

General Fund workyears (now reflected as FTEs) declined substantially over the past decade as many positions (or portions of staff charges) began charging to the WQPF. As a result, General Fund positions and workyears (FTEs) have declined from their peak of 48 positions and 37.8 workyears in FY02 to 41 full-time and 2 part-time and 13.1 FTEs in the Approved FY15 Recommended Budget.

Other than the administrative, management, and IT needs of the Department, the major policy areas of staffing for DEP outside Water Quality are:

- **Water and Wastewater Management** (3 staff) – This function includes managing the County’s Water and Sewer Plan (and amendments/category changes requested) and coordinating with various outside agencies such as: WSSC, M-NCPPC, DC Water, and the Metropolitan Washington Council of Governments. These positions are funded primarily out of the General Fund, but with some charges to the Solid Waste Fund as well.

NOTE: A new (4th) position is recommended in FY16 in the Water and Wastewater Management section but funded with WQPF dollars. This item is discussed later.

- **Code Enforcement** (7 staff) – This section responds to cases involving water quality, indoor and outdoor air quality, illegal dumping, noise, general environmental assessments, and other miscellaneous environmental issues. They also monitor the closed Oaks and Gude landfills and the Beantown dump. A portion of their staff time is charged to the WQPF.
- **Planning and Policy Implementation** (7 staff) – This section includes DEP’s Forest Conservation Coordinator as well as DEP’s Senior Energy Planner, and a Planning Specialist as well as DEP’s Environmental Sustainability Planner. Three new positions were approved in FY15 (one in the tree program and two in the Office of Sustainability).

As noted in prior budget discussions, Council Staff believes DEP’s General Fund operation is “bare bones”, with broad areas of coverage in topics of major concern today, such as: water and sewer infrastructure, clean energy and energy conservation, and climate change and sustainability. All of these areas combined are about 20 percent of the total FTEs in the Department. The status of some of these programs is provided below.

New Tree Canopy Program

DEP provided the following information regarding the Tree Canopy program (new in FY15 and recommended for additional funding in FY16). The program costs are assumed to be 100 percent offset by revenue which is mandated by County law to be dedicated to this effort.

“The Tree Canopy Law (Chapter 55 of the Montgomery County Code) requires the planting of trees and/or the payment of fees in lieu of tree planting when development requires a sediment control permit under Chapter 19 of the County Code. Fees are deposited in the Tree Canopy Conservation Account as defined in Section 55-10. Funds in the account must be used “only to plant and maintain shade trees, including costs directly related to site identification, preparation, and other activities that increase tree canopy.” DEP is responsible for developing the programs to plant trees with these funds.

The amount that will be deposited in the Tree Canopy Conservation Account is unknown. It is based on development activity in the County, and decisions by sediment control permit holders regarding planting trees or paying fees in lieu of planting. The FY15 budget assumed revenues of \$50,000, with matching expenditures of \$50,000 associated with tree planting activities. The FY16 budget assumes revenues of \$250,000, with matching expenditures of \$250,000 associated with tree planting activity.

Increased expenditures in FY16 are anticipated based on the formal launch of the County's tree planting programs in late FY15. Expenditures associated with planting activities will not exceed funds deposited in the Tree Canopy Conservation Account. Other expenses to support tree planting activities under the Tree Canopy Law (e.g., County Arborist, outreach staff, outreach materials, etc.) are paid for by funding sources other than the Tree Canopy Conservation Account."

Council Staff is supportive of the FY16 recommended budget increase for this program, as it is completely self-supported from dedicated revenue and actual expenses will not exceed actual revenue received for this program.

Energy

This area, which falls within DEP's new Office of Sustainability, was discussed in detail at the Committee's April 16 meeting on the Office of Sustainability's Annual Report.

In FY14, the Council passed two bills:

- Bill 2-14, "Environmental Sustainability – Building – Benchmarking", which requires the benchmarking of energy use in County buildings as well as in commercial buildings. The fiscal impact statement for the bill assumed that DEP and DGS would each need approximately 50 percent of a full-time Program Manager position to implement the Bill. The total first-year cost for DEP was estimated at \$54,121 (including lapse from filling the position during the fiscal year). The fiscal impact statement noted that positions in DGS and EP funded in Bill 6-14 could also take on duties identified in this bill.
- Bill 6-14, "Office of Sustainability", created an Office of Sustainability in the Department of Environmental Protection and an Office of Energy and Sustainability in the Department of General Services. The fiscal impact statement prepared by the County Executive assumed that 6 new positions in DEP would be needed (in addition to 5 existing positions that would be part of the new office in DEP), as well as some additional operating expenses. The total first year cost for DEP was estimated at \$560,554.

The DEP Office of Sustainability is focusing on external activities to residents and businesses to promote and improve environmental sustainability, while the DGS office is focusing internally on the County Government's efforts to green its own operations and to implement energy conservation and renewable energy efforts. While DEP and DGS had already been pursuing these efforts to varying degrees in recent years, the fiscal impact statements made clear that, for a long-term sustained effort, a significant increase in staff dedicated to these functions was needed.

Because neither bill had passed before Executive transmittal of the FY15 Recommended Budget last year, the Executive had not recommended any new positions for this effort. For DEP, the Council included on its FY15 Reconciliation List two separate bundles associated with Bill 6-14:

- The first bundle included two full-time positions (data analysis/metrics/research and a Tree and Forest Program Manager) and one part-time position (commercial energy programs), plus operating expenses. This bundle ultimately was funded in the FY15 DEP budget with \$207,816 in the General Fund and \$138,210 in the WQPF (for the Forest Program Manager).
- The second bundle included three positions (residential energy programs, green business programs, and Partnership Development) at a cost of \$214,529 (all General Fund). This bundle was not funded in the FY15 DEP budget.

DEP is in the process of recruiting and filling the Forest Program Manager and the Commercial Energy Programs positions. DEP has opted to fill the Commercial Energy Programs position as full-time (instead of part-time) and to not fill the data analysis and research position and instead use the lapse savings to utilize contractual services. This approach is also recommended for FY16. **Council Staff suggests that the lapsed position should be abolished for FY16.**

At the April 16 Committee meeting regarding the Office of Sustainability Annual Report, Councilmember Berliner asked DEP to provide to the Committee its priorities for any additional resources it needs to meet the requirements of Bill 6-14. Until this information is received, Council Staff recommends putting the three positions identified in the fiscal impact statement for Bill 6-14 from last year, but not ultimately funded (\$214,529 in FY15), on the Council's Reconciliation List for DEP's FY16 General Fund Budget.

Green Business Certification Program

The Green Business Certification Program recognizes and publicizes businesses which are meeting certain environmental standards, as identified through an application and verification process. This program was first funded in the FY09 budget. The program has certified 67 businesses since its inception and there are currently 59 in the program. There were 57 individually certified businesses at this time last year.

Below is an update from DEP on this program:

"The Green Business Certification Program is a partnership between the Montgomery County Department of Environmental Protection, the Montgomery County Chamber of Commerce and Montgomery College. It was launched in December 2009. The program resulted from, and continues to be shaped by, extensive collaboration with environmentally responsible business leaders and other stakeholders. The goal of the program in FY16 and beyond continues to be to certify as many businesses as possible in order to promote sustainable and environmentally responsible practices in the commercial sector.

Certification was initially tailored to businesses in commercial office space to respond to the operational circumstances facing the majority of County businesses. Program eligibility expanded in the spring of 2013 with the creation of a tailored application for the landscaping sector.

In January 2015, the Program streamlined its original application, focusing on those actions that have the greatest impact. The new application also includes the requirement for a continuous improvement plan. The plan, which must include three year goals and sustainability indicators, enables businesses to map out future strategies for increasing their commitment to sustainability.

The Program has certified 67 businesses since its inception, and currently has a network of 59 Certified Green Businesses. While several businesses have left the program, the number of overall participants has grown steadily.

In April 2015, the Green Business Certification Program will be expanded through the recognition of businesses certified by other third party certification programs. Including businesses certified through other third party organizations will broaden eligibility, thus enabling the Program to reach a much wider audience. At the present time, these third party organizations include:

*B Lab
Green America
Green Restaurant Association
Green Seal*

These four certifications were chosen because of their robust application process, credibility and reputation. Although 58 businesses in the County have been recognized by these third-party programs, DEP is in the process of contacting them to ensure they remain certified in good standing and interested in recognition by the County's program. DEP anticipates that Program expansion will increase consumer awareness, create more "green business-to-green business" opportunities and stimulate momentum in corporate sustainability."

MyGreenMontgomery.org

MyGreenMontgomery.org is a web-based program that went live in early 2012. It provides a one-stop-shop for individuals and organizations interested in reducing their carbon footprints and living more sustainably. An update from DEP on the effort is attached on ©10-11.

Gypsy Moth Suppression

The County works in partnership with the Maryland Department of Agriculture (MDA) with regard to gypsy moth surveying and suppression. The County and MDA split the surveying costs 50/50, and the County pays approximately 30 percent of the spraying costs with MDA. The County also may do additional spraying at its own expense. DEP staff prepared a chart (see ©12) showing trends in program expenditures over the past several years (for both the County and MDA).

Costs in the program can fluctuate substantially from year to year, based on the results of the annual mid-year survey. However, overall gypsy moth populations tend to curve up over a period of years and then curve down. The current peak in gypsy moth population was previously projected in FY09 and FY10 but, in fact, may have peaked in FY08.

No spraying has been done for a number of years, nor is spraying assumed for FY16. The annual winter survey is recommended to be funded again (at \$30,900; \$30,000 was budgeted for FY15, although past actual costs have tended to be less). The results of the survey will confirm whether any spraying ultimately is needed in FY16.

Water and Sewer Planning Issues

The Council typically receives one package of Water and Sewer Plan amendments (category change requests) each year. Other category change requests are dealt with administratively throughout the year by DEP (consistent with Water and Sewer Plan policies).

However, there are a number of specific water and sewer issues in varying stages of work which the Council is expecting to review in the near future.

- The Glen Hills Sanitary Study has been completed¹ and the County Executive transmitted his recommendations on March 30 for Council consideration. Council Staff is working with the T&E Committee on a review process and schedule for this issue.
- A comprehensive update to the Water and Sewer Plan is long overdue. The Plan was last comprehensively updated in 2003. The schedule for transmittal to the Council has been repeatedly pushed back as DEP has worked on other water and sewer-related priorities, most recently the Glen Hills study and the Ten Mile Creek Limited Area Master Plan. There are a number of important policy issues that are in need of review and possible revision, such as the Private Institutional Facilities (PIF) Policy and the issue of water and sewer extension costs. DEP provided the following update on the status of this work to Council Staff:

“The Comprehensive Water Supply and Sewerage Systems Plan (Water and Sewer Plan) is being drafted and updated. The schedule is for internal completion of the draft plan by October 2015 and submittal of the draft plan to both M-NCPPC and WSSC by November 2015. Following their reviews and comments, DEP will make modifications and submit the final draft to the CE in early 2016. The CE submittal to the County Council is expected by March 2016.”

- The Council’s approval of the Ten Mile Creek Limited Master Plan Amendment includes a number of follow-up water/sewer issues for DEP, including:
 - Working with WSSC on a comprehensive sewer study of the Ten Mile Creek Limited Master Plan area.
 - Working with WSSC to extend sewer to the Clarksburg Historic District: The Council President and County Executive recently announced an effort to work with WSSC to extend sewer to the Historic District of Clarksburg in a manner which is affordable to

¹ The Executive’s transmittal of recommendations can be downloaded at: https://www.montgomerycountymd.gov/DEP/Resources/Files/downloads/ws/CE_Transmittal_Reports_Recommendations-GlenHillsAreaSanitaryStudy.pdf

The Glen Hills Study (both phases 1 and 2) can be downloaded at: <http://www.montgomerycountymd.gov/DEP/water/glen-hills.html>.

- property owners in the Historic District (as recommended in the Ten Mile Creek Limited Area Master Plan).
- Working with WSSC and other regional partners on the development of a study of the long-term health of the Little Seneca Reservoir.
- The T&E Committee recently met with the Prince George's County Council's THE Committee, and they agreed to have staffs work together with WSSC to develop recommendations to change the water and sewer extension cost process, which has become unaffordable for many property owners. (This has resulted in many areas planned for public water and/or sewer service and/or areas where there are failing on-site systems to not be able to connect to WSSC's system.)

The Executive is recommending a new Planning Specialist III position to provide additional support within this program. Council Staff has noted for a number of years that this program has been understaffed ever since a position was cut in this program during the last recession.

With all of the issues noted above requiring immediate attention, Council Staff is supportive of this new position. Council Staff asked DEP why this position is to be funded out of the WQPF (unlike the other positions in this section). Here is DEP's response:

"For the Planning Specialist III position recommended in the FY16 Budget, the County determined that the nature of the functions that would be performed by the requested position supported charging the position to the WQPF. The use of the WQPF to fund this proposed position is in recognition that much of the water and sewer category change work proposed for this new position involves review of impervious limits associated with goals referenced in the master plans and/or the Special Protection Areas. The purpose of these limits is to minimize stormwater runoff and is therefore consistent with charging this position to the WQPF. It also recognizes that the extension of sewers is often initiated by failing or problematic septic systems and the planning of sewer service will protect the ground and surface water. This is the first time DEP has proposed the use of the WQPF for functions in this group, but the focus of this position and the overall focus of the group to ensure that development impacts have a minimal impact on water quality has always been an important part of the group's mission."

Code Enforcement

The Division of Environmental Policy and Compliance (DEPC) administers code enforcement activities related to air and water quality, noise, illegal dumping, and hazardous materials; and also monitors the County's solid waste facilities. The Code Enforcement section includes seven positions: one Supervisor; one Code Enforcement Inspector; and five Environmental Health Specialists. This is the same complement as last year. DEP staff provided a summary chart breaking down trends by type of case (see ©13) and a narrative update below:

"Code enforcement cases handled by DEPC can be broken into four major categories:

Air Quality – The number of cases dropped for the fifth year in a row. This was due to a decrease in the number of odor complaints and requests for burn permits.

Noise – The number of noise complaints continues to increase and resulted in 333 cases, the highest level in five years. Noise cases are typically the most complex and time

consuming cases handled by code enforcement staff. Complaints associated with industrial/commercial and residential activities accounted for the largest part of this increase. The upward trend of noise cases is expected to continue as mixed-use developments increase. Also, if the recommendations of the Nighttime Economy Task Force to establish “urban noise areas” are adopted, this may result in additional noise related activities in the future related to the establishment of the urban noise areas and investigation of complaints.

Solid Waste – The number of cases dropped for the third year in row to 376, which is the lowest number of cases in the last four years. Part of this drop is likely due to better coordination of solid waste through 311 (solid waste cases may be handled by a number of different entities – including DEPC, DEP’s Division of Solid Waste Services, DHCA’s Housing Code Enforcement, DOT’s Division of Highway Services, Montgomery Parks, and the Montgomery County Police – depending on the situation).

Water Quality – Water quality cases are classified as IDDE or non-IDDE cases. IDDE cases are scheduled activities related to illicit discharge detection and elimination (IDDE). Illicit discharges are discharges to a storm drain system not composed entirely of storm water (e.g., leaking sewage lines, sump pump hookups, etc.), except as allowed by permit. Illicit discharge detection and elimination is a major part of the County’s MS4 permit. Unlike investigations based on complaints, illicit discharge detection activities are scheduled based on weather (there must be a sustained period of no precipitation to ensure discharges are not stormwater) and staff availability. As a result, these activities do not follow a regular pattern, and may not be evenly distributed across fiscal years. Non-IDDE cases involve investigation of the discharge of potential water pollutants (e.g. sanitary sewer system overflows, oil poured in a storm drain, or wastewater from washout of a concrete truck at a construction site). These cases have remained fairly steady over the past five years.”

Council Staff Recommendations (General Fund)

Council Staff recommends approval of the DEP General Fund budget as recommended by the County Executive, with several new positions for the Office of Sustainability (which were noted in the fiscal impact statement for Bill 6-14 last year) to be placed on the Council’s Reconciliation List.

Water Quality Protection Fund Budget

**Table #3
DEP Expenditures and Positions/FTEs**

Water Quality Prot. Fund	Actual FY14	Approved FY15	CE Rec FY16	Change FY16-FY15	
				\$\$\$	%
Personnel Costs	7,207,082	7,876,960	8,326,075	449,115	5.7%
Operating Expenses	11,095,329	12,588,827	14,947,752	2,358,925	18.7%
Capital Outlay		56,000		(56,000)	-
Total	18,302,411	20,521,787	23,273,827	2,752,040	13.4%
Full-Time Positions	42	46	50	4	8.7%
Part-Time Positions	1	1	0	(1)	n/a
FTEs	81.39	84.39	86.69	2.30	2.7%

Fiscal Summary

Expenditures in the Water Quality Protection Fund (WQPF) are recommended to increase by \$2.75 million (or 13.4 percent). This increase (along with increases in prior years, including an 8.1 percent increase in FY15) relates to DEP's ramp-up of work (both in the Operating Budget and CIP) to meet its NPDES-MS4 permit requirements.

A crosswalk of all major expenditure changes is included in the Recommended Budget (see ©6). DEP staff also provided additional detail (see ©14-16) that summarizes the major work items and changes from FY15 to FY16.

Water Quality Protection Charge

DEP's MS4 work (both operating and capital) is budgeted within the County's WQPF. This self-supporting fund draws its revenue primarily from the Water Quality Protection Charge (WQPC) (about \$28 million in FY15) as well as from the County's bag tax (about \$2.1 million in FY15).

The Fund and Charge were created in 2001, when the Council approved Bill 28-00.

Two years ago, the Council enacted Bill 34-12 and approved Executive Regulations 17-12AM and 10-13. The bill and regulations included a number of changes to the charge, such as: broadening the charge to include all non-residential properties, establishing a 7-tier rate structure for residential properties, establishing credits for on-site stormwater management practices, and establishing a hardship exemption for residential properties and non-profit organizations. A three-year phase-in period for those properties that experienced an increase in assessments as a result of the legislation was also included.

The Council recently approved some minor changes to the law and regulations (through Bill 2-15 and Executive Regulation 16-14).

During the most recent State legislative session, the Governor supported the repeal of provisions of law enacted in 2012 which required the nine largest counties and Baltimore City to establish stormwater fees. The bill as passed still allows jurisdictions to establish stormwater fees (or keep fees they already have) at their own discretion.

The Council is required to set the ERU rate each year by resolution. A resolution was introduced on March 31 and a public hearing was held on April 21. The Executive recommends maintaining the ERU rate at the FY15 level of \$88.40.

NPDES-MS4 Permit Background

DEP is the lead department coordinating a multi-department/agency effort to meet the requirements of the five-year MS4 permit issued to the County by MDE on February 16, 2010. The current permit expired in February, although it remains in effect pending implementation of a new permit by MDE.²

² On April 2, the Maryland Court of Special Appeals issued an opinion in a longstanding case between the Maryland Department of the Environment (MDE) and the Anacostia Riverkeeper regarding Montgomery County's recently expired (but still in force) MS4 permit. The Court affirmed the Circuit Court's decision to remand the permit back to MDE to be

The T&E Committee held a briefing and discussion on the MS4 permit (and the subject of green infrastructure stormwater management strategies) on March 9.

NPDES-MS4 Permit Requirements

The County's Coordinated Implementation Strategy (CCIS) (dated January 2012) provides the planning basis for the County to meet the following goals, as required in the County's NPDES-MS4 Permit:

1. Meet Total Maximum Daily Load (TMDL) Wasteload Allocations (WLAs) approved by EPA.
2. Provide additional stormwater runoff management on impervious acres equal to 20 percent of the impervious area for which runoff is not currently managed, to the maximum extent practicable (MEP). *This requirement continues to be the primary driver of CIP expenditure increases.*
3. Meet commitments in the Trash Free Potomac Watershed Initiative 2006 Action Agreement, which include support for regional strategies and collaborations aimed at reducing trash, increasing recycling, and increasing education and awareness of trash issues throughout the Potomac Watershed.
4. Educate and involve residents, businesses, and stakeholder groups in achieving measurable water quality improvements.
5. Establish a reporting framework that will be used for annual reporting, as required in the County's NPDES-MS4 Permit.
6. Identify necessary organizational infrastructure changes needed to implement the Strategy.

While DEP has made substantial progress over the past five years,³ DEP has not achieved the 20 percent impervious area control goal (#2 above).

Cost Implications

As discussed most recently on March 9, the cost implications for implementation of the MS4 permit are substantial. Last year, DEP estimated the permit costs to be about \$305 million through 2015 and nearly \$1.9 billion through 2030.

reworked. While the impact on the now-expired permit is unclear, the Court's action will certainly affect MDE's approval process as well as the substance of the County's next MS4 permit.

³ The 2014 Annual Report was released in March and is available for download at the DEP website at: <https://www.montgomerycountymd.gov/...reports/npdes/AnnualReport-FY14-3-13-15-Final.pdf>

Major Changes

The biggest budgetary increase from FY15 to FY16 is the maintenance of new and newly transferred stormwater management facilities⁴ to the program (\$706,100). DEP has also had to increase its inspection costs (\$735,680) to address new stormwater facilities added to the inventory.

M-NCPPC Parks, which has \$2.7 million in water quality related work supported by the WQPF in FY15, is requesting an increase of \$271,627 to cover staffing and other costs for the Parks Department to meet NPDES requirements.

DEP is also planning to continue a water restoration grant program for non-profits from funding previously included in the Low-Impact Development – Residential line item (\$350,000).

Streetsweeping costs currently in DOT are recommended to be transferred to the WQPF (\$350,000). This streetsweeping is in addition to the targeted streetsweeping already done out of Fund (\$231,160 in FY15 with no change recommended for FY16).

Streetsweeping provides direct water quality benefits by removing trash and sediment from roadways before these materials end up in storm drains and in stormwater management facilities, potentially damaging the facilities and negatively affecting water quality. **However, as the funder for this work going forward, will DEP now have “a seat at the table” with DOT to discuss how this broader streetsweeping effort can be aligned with DEP’s water quality priorities?**

Best Management Practices (BMP) monitoring in special protection areas has also been added to the program as a result of changes to Executive Regulation 9-13 (\$177,000).

Grants for SHA roads are expected to go up in FY16 as the credit is phased in (\$147,000).

Cost decreases are also shown, reflecting the removal of one-time items funded in FY15 (-\$56,000) and position cost annualizations (-\$58,077).

Bag Tax

The Council approved the Carryout Bag Excise Tax on May 3, 2011. As approved, revenues and expenditures associated with the tax are included within the WQPF. The tax went into effect at the beginning of 2012 and the T&E Committee has received periodic updates on the bag tax and also considered potential changes to the charge from time to time.

DEP provided Bag Tax revenue information (see ©17) through February 2015, which was compiled by the Department of Finance.

FY15 estimated revenues (after 2nd quarter) shown in the Executive’s Recommended budget are \$2.15 million (the same as originally projected for FY15). However, more recent information points to higher likely revenue in FY15 (through the first 8 months of FY15, revenues of \$1.5 million have been collected). The increased revenue is the result of a slowing but steady increase in the number of

⁴ Overall there are an estimated 9,164 stormwater management facilities in the County. DEP inspects all of them on a triennial basis (or more frequently) and is responsible for maintaining 3,773 of these facilities.

participating retailers (from 1,188 in July 2014 to 1,231 through February 2015). Monthly revenue tends to fluctuate up and down, but is generally showing an increasing trend over time. Given this information, the Executive's recommendation to increase projected Bag Tax revenues up to \$2.4 million in FY16 appears justified.

Fiscal Plan

The Water Quality Protection Fund Fiscal Plan is attached on ©8. This chart shows estimated costs, revenues, and fund balance from FY15 through FY21. Some key facts regarding the fund are noted below:

- The debt service coverage ratio (net revenues/debt service) has been adjusted this year from 1.5 times debt service costs to 1.25 times debt service costs (i.e., a debt service coverage ratio of 1.25). In FY15 and FY16, this coverage target is greatly exceeded. However, beginning in FY18, debt service coverage drops back to the target level.
- The Fund Balance policy remains at 10 to 15 percent of resources. The fiscal plan achieves this in all but two years (FY17 and FY18).
- During the six-year period, additional resources are needed to be transferred to the Debt Service Fund (as the debt-financed ramp up in the Capital Improvements Program takes hold). Leaving rates unchanged in FY16 provides for a smoother progression in ERU rates over time.
- The charge per ERU is assumed to go up to \$93.25 in FY17 and \$93.50 in FY18. A large jump is currently shown in FY19 (up to \$115.75) as debt service jumps substantially. The Council can review this projected rate increase schedule next year. If FY19 still shows a substantial increase, consideration could be given to slightly larger increases in FY17 and FY18 to smooth rates.
- The Fiscal Plan continues to assume \$200,000 per year in revenue from BMP monitoring fees assumed to be paid by permittees developing property in a special protection area.

Council Staff is supportive of the Fiscal Plan assumptions.

Council Staff Recommendations (Water Quality Protection Fund)

Council Staff recommends approval of the FY16 DEP Water Quality Protection Fund Budget.

Council Staff also supports the County Executive's Water Quality Protection Charge ERU rate recommendation of \$88.40.

FY16 Revenues

In addition to the new Tree Canopy Fee, the Water Quality Protection Charge, SPA fees, and the Bag Tax discussed earlier, the DEP budget includes several other revenue items, including the Special Protection Area (SPA) Monitoring Fee, Civil Citations, and the Water and Sewer Plan Review Fee.

Water and Sewer Plan Review Fee

This fee was created in FY06 and is charged to applicants seeking category changes. The intent of the fee is to deter frivolous requests and to provide some minor cost recovery for the program. DEP and DPS staff must do a substantial amount of work related to category change applications, including: answering applicant questions; assembling the application materials; coordinating reviews and comments from Permitting Services, M-NCPPC staff, and WSSC staff; and drafting an Executive staff report and recommendations for each request.

The fee structure is broken down by type of development (residential, commercial, institutional, public, mixed-use, and public health cases). Non-profit institutions (PIFs), public health cases, and public use/government applications do not pay a fee.

The revenue generated can fluctuate substantially from year to year. \$12,000 is assumed in FY16.

Council Staff recommends that the fee structure and levels be reviewed in the context of the Council's upcoming comprehensive review of the 10 Year Water and Sewer Plan.

Special Protection Area (SPA) Fee

This fee, paid by developers, is intended to cover the cost of pre- and post-construction monitoring by DEP of development within designated Special Protection Areas in the County.

In FY13, revenue for SPA monitoring fees was far higher than previously budgeted as a result of a rush by property owners to meet plan approval deadlines by May 3, 2013 and thus be grandfathered into the old standards for stormwater management and sediment control. FY14 revenue was \$46,208. The FY15 budget assumed \$75,000. Actual collections to date are at about \$80,000. The FY16 recommended budget assumes \$160,000 in fees and reflect the Department of Permitting Services estimates for acres that could qualify for the SPA monitoring fee in FY16.

Civil Citations and Noise Control Fees

DEP is responsible for enforcing several areas of the County Code, including: Chapter 3 (Air Quality Control), Chapter 18A (Energy Policy), Chapter 19 (Water Quality), Chapter 31B (Noise Control), Chapter 33 (Pesticide Use), Chapter 38 (Quarries), and Chapter 48 (Solid Waste). DEP's enforcement staff was discussed earlier. FY16 Revenue is assumed to be \$16,000 (a slight decrease from the original FY15 budget assumption of \$19,000) based on current FY15 collections to date (about \$14,000).

CIP Amendments

Storm Drain Culvert Replacement

On March 16 the County Executive forwarded a number of CIP amendments for Council consideration. One project, Storm Drain Culvert Replacement, is recommended to have an additional \$1.6 million in expenditures in FY16 (from \$1.2 million to \$2.8 million) funded with WQPF dollars (see ©18-21).

The additional expenditures would provide for the replacement of a Connecticut Avenue culvert and Sunflower Drive culvert repair. According to Executive Branch staff these facilities are severely deteriorated and require immediate repair/replacement. Therefore off-cycle funding for this ongoing project is justified. OMB staff have noted that the costs associated with this work have already been factored into the Executive's Recommended Budget for the Water Quality Protection Fund and its fiscal plan.

Council Staff recommends approval of this amendment, given that the County Executive is seeking additional funding off-cycle for this ongoing project. *NOTE: Since this amendment would be funded with WQPF dollars, this amendment is not subject to the G.O. bond spending affordability limits or general current revenue limits in FY16.*

Stormwater Management CIP Projects

On April 20, the County Executive transmitted another package of CIP amendments (see ©22-30), including funding changes to a number of stormwater management projects and increased funding in the Facility Planning: SM project.

These amendments were transmitted too late for Council Staff review in this memorandum. However, OMB and DEP staff will be available at the Committee meeting to discuss these amendments and how the recommended changes affect the Water Quality Protection Fund's Fiscal Plan.

Summary of Council Staff Recommendations

Council Staff recommends

- Approval of the FY16 DEP General Fund budget as recommended by the County Executive, with the currently unbudgeted fiscal impacts from Bill 6-14 from FY15 added to the FY16 Reconciliation List (\$214,529 and three positions were not included in the FY15 DEP budget).
- Approval of the FY16 DEP Water Quality Protection Fund Budget as recommended by the County Executive.
- Approval of the County Executive's Water Quality Protection Charge ERU rate recommendation of \$88.40. *NOTE: Action on the ERU rate resolution is scheduled for May 13.*
- Approve the Executive's recommended CIP Amendment for the Storm Drain Culvert Replacement project.

Attachments

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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 FY16 Operating Budget for the Department of Environmental Protection is \$25,329,525, an increase of \$2,957,668 or 13.2 percent from the FY15 Approved Budget of \$22,371,857. Personnel Costs comprise 39.1 percent of the budget for 91 full-time positions and two part-time positions, and a total of 99.78 FTEs. Total FTEs may include seasonal or temporary positions and may also reflect workforce charged to or from other departments or funds. Operating Expenses account for the remaining 60.9 percent of the FY16 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 \$3,020,250 for Water Quality Protection bonds is required.

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 FY15 estimates reflect funding based on the FY15 approved budget. The FY16 and FY17 figures are performance targets based on the FY16 recommended budget and funding for comparable service levels in FY17.

ACCOMPLISHMENTS AND INITIATIVES

- ❖ ***DEP continues progress towards meeting the 2010 MS4 permit goals, and will work with the Maryland Department of Environment (MDE) to develop goals for the County's next MS4 permit.***
- ❖ ***Additional staffing and contractual support is funded in the DEP and M-NCPPC budget to address the increased demand for Stormwater Management facility inspection, maintenance, and related program oversight.***
- ❖ ***Initiated design on 23 stormwater management pond retrofits, five stream restoration projects, two green street neighborhoods and nine low impact development projects located on County and school properties.***
- ❖ ***Restored over 7,803 linear feet of degraded stream channels and eroding streambanks in the Anacostia Watershed.***
- ❖ ***Constructed 37 Low-Impact Development (LID) practices along Dennis Avenue, treating a combined impervious surface of 19.4 acres.***
- ❖ ***Inspected over 1,100 stormwater management facilities to ensure the facilities are functioning properly.***
- ❖ ***Handled over 1,400 environmental complaints and requests related to air, water quality, illegal dumping, and noise.***

- ❖ **Established forest cover on approximately 45 acres at the closed Oaks Landfill to provide 17 acres of credit towards meeting the MS4 permit requirements.**
- ❖ **Developed a Continuous Improvement Program template that will allow Certified Green Businesses to set sustainability goals and measure their progress.**
- ❖ **Reviewed and commented on 128 requests for variances from the Forest Conservation Law for disturbance and removals of regulated trees.**
- ❖ **Continued to expand watershed outreach to the County's diverse community, in particular native Spanish speakers. Hosted or participated in 103 outreach events, an increase of approximately 25% from the previous year. Watershed staff or volunteers interacted with approximately 12,500 people at these outreach events.**
- ❖ **Joined both Prince George's County and WSSC in developing a report on the needs for sewers and sewer finance issues in unserved and underserved communities.**
- ❖ **Developed sewer service policy recommendations for the Glen Hills area.**
- ❖ **Completed report on five years of litter monitoring in the Anacostia with results showing a decrease in all categories of litter except food packaging at 14 stream stations being monitored.**
- ❖ **Successfully transferred maintenance responsibility to three private property managers who participated in the pilot pet waste management station project in the Rock Creek watershed. From these seven stations, over 1,800 pounds of pet waste was collected.**
- ❖ **Productivity Improvements**
 - **Developed mobile application to support illicit discharge detection investigations allowing field staff to quickly and accurately input investigation data via smart phone, eliminating use of paper forms.**
 - **Developed an inspection database and iPad app for use by underground stormwater inspectors to more efficiently complete the annual underground pre-maintenance inspections.**
 - **Converted paper inspection and site assessment forms to tablet based forms which allowed for more rapid documentation completion and better customer service.**
 - **Increased use of ArcGIS tablet application to provide for quicker and more accurate mapping during environmental complaint investigations.**
 - **Incorporated Noise Complaint forms and Temporary Noise Waivers into case management system, which eliminated manual data input and enabled automatic creation of waiver certificates.**
 - **Developed a web-based app for RainScapes neighborhood level screening for retrofit opportunities on private property front yards.**
 - **Modified the DEP routes for streetsweeping to focus efforts within the Anacostia, making significant progress on pollutant reductions to meet Total Maximum Daily Loads (TMDL) for that watershed while keeping the same amount of impervious acre restoration credits.**

PROGRAM CONTACTS

Contact Michelle Hwang of the Department of Environmental Protection at 240.777.7724 or Matt Schaeffer of the Office of Management and Budget at 240.777.2751 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's goal is to provide stormwater treatment for 3,976 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 ensures the operational effectiveness of over 9,000 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 over 3,700 of these facilities.

Revenue for this program is generated by the Water Quality Protection Charge, applied to all residential and non-residential properties except for those owned by the State and County government, and in the cities of Gaithersburg, Rockville, and Takoma Park.

<i>Program Performance Measures</i>	<i>Actual FY13</i>	<i>Actual FY14</i>	<i>Estimated FY15</i>	<i>Target FY16</i>	<i>Target FY17</i>
County Watershed Stream Quality Index of Biological Integrity (IBI) Score	58.2%	58.9%	59.6%	60.4%	61.1%
Percent of the impervious acreage control goal met	6.3%	9.7%	12.9%	43.0%	73.1%
Percent of the nitrogen pollution reduction goal met	1.58%	4.39%	5.40%	19.27%	33.13%
Percent of the phosphorous pollution reduction goal met	4.17%	20.14%	28.57%	64.72%	100.86%
Stormwater Facility Maintenance Compliance Rate	85.6%	82.0%	82.0%	83.0%	85.0%

<i>FY16 Recommended Changes</i>	<i>Expenditures</i>	<i>FTEs</i>
FY15 Approved	20,521,787	84.39
Enhance: Stormwater Management maintenance including new and newly transferred facilities	706,100	0.00
Enhance: Stormwater Management Facility Inspection Contractual Assistance	385,680	0.00
Enhance: Inspections of New Stormwater Management Facilities	350,000	0.00
Enhance: M-NCPPC Stormwater Management program costs	271,627	0.00
Enhance: Operating Budget Impacts of Stormwater Management CIP Projects	257,000	0.00
Add: Post-construction monitoring of Best Management Practices (BMP) facilities within Special Protection Areas (SPAs)	177,000	0.00
Increase Cost: FY16 Compensation Adjustment	172,951	0.00
Increase Cost: Homeowner Association Roads Credit Phased Implementation	147,000	0.00
Increase Cost: Charges from Other Departments	96,434	0.00
Add: Planning Specialist III - Water and Sewer Planning	73,976	1.00
Add: Program Manager I - Stormwater Management Facility Inspection	73,976	1.00
Increase Cost: Increase Senior Financial Specialist from 0.70 FTE to 1.00 FTE due to increased workload	47,142	0.30
Increase Cost: Retirement Adjustment	35,044	0.00
Increase Cost: Building Rent - 255 Rockville Pike	32,005	0.00
Increase Cost: Group Insurance Adjustment	14,625	0.00
Decrease Cost: Printing and Mail	-4,565	0.00
Decrease Cost: Elimination of One-Time Items Approved in FY15	-56,000	0.00
Decrease Cost: Annualization of FY15 Personnel Costs	-58,077	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	-128,657	-1.00
FY16 CE Recommended	23,115,048	85.69

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.

<i>Program Performance Measures</i>	<i>Actual FY13</i>	<i>Actual FY14</i>	<i>Estimated FY15</i>	<i>Target FY16</i>	<i>Target FY17</i>
Average Number of Days to Resolve Incoming Complaints ¹	26	30	36	36	36
Non-Residential Building Energy Use as a Measure of Greenhouse Gas Reductions (Million British Thermal Units) [UNDER CONSTRUCTION]					
Percent of Customers Who Rated Themselves as Satisfied with DEP Response to Environmental Complaints ²	70.8%	66.1%	65.0%	65.0%	65.0%
Residential Building Energy Use as a Measure of Greenhouse Gas Reductions (Million British Thermal Units) [UNDER CONSTRUCTION]					

¹ The FY14 average is for 1,524 total cases in the following areas: Air, Indoor Air, Noise, Stormwater, Water Quality, Solid Waste, Hazmat, and PIA.

² For FY14, DEP sent 635 emails to customers requesting they complete an electronic survey. 118 responses were received, which translates to a 18.6% response rate. 78 (66.1%) of the 118 respondents indicated they were satisfied with the service received.

FY16 Recommended Changes	Expenditures	FTEs
FY15 Approved	1,017,282	7.94
Enhance: Tree Canopy Conservation - Tree Planting	200,000	0.00
Increase Cost: FY16 Compensation Adjustment	44,218	0.00
Increase Cost: Annualization of FY15 Lapsed Positions	38,105	0.00
Increase Cost: Annualization of FY15 Lapsed Positions	23,836	0.00
Increase Cost: Retirement Adjustment	13,785	0.00
Decrease Cost: Lapse Part-Time Program Manager II (.5 FTE) and substitute with contractual services for data analysis and research services in Office of Sustainability	-22,344	0.00
Decrease Cost: Motor Pool Rate Adjustment	-33,446	0.00
Decrease Cost: Annualization of FY15 Personnel Costs	-34,593	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	140,411	1.00
FY16 CE Recommended	1,387,254	8.94

Administration

The Office of the Director provides leadership on policy development, implementation, and administration for all departmental programs and management services. 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. The technical experts in this program work to ensure that the County's management of water and wastewater protects public health and the environment. Additional activities in the Director's Office include budget development and administration; contract management; human resources management; management of the Water Quality Protection Charge including geographical information systems and information technology services.

FY16 Recommended Changes	Expenditures	FTEs
FY15 Approved	832,788	5.15
Increase Cost: Group Insurance Adjustment	3,972	0.00
Decrease Cost: Printing and Mail	-4,069	0.00
Multi-program adjustments, including negotiated compensation changes, employee benefit changes, changes due to staff turnover, reorganizations, and other budget changes affecting multiple programs.	-5,468	0.00
FY16 CE Recommended	827,223	5.15

BUDGET SUMMARY

	Actual FY14	Budget FY15	Estimated FY15	Recommended FY16	% Chg Bud/Rec
COUNTY GENERAL FUND					
EXPENDITURES					
Salaries and Wages	941,677	1,152,130	1,097,532	1,163,571	1.0%
Employee Benefits	352,871	407,660	379,609	408,552	0.2%
County General Fund Personnel Costs	1,294,548	1,559,790	1,477,141	1,572,123	0.8%
Operating Expenses	224,465	290,280	370,493	483,575	66.6%
Capital Outlay	0	0	0	0	—
County General Fund Expenditures	1,519,013	1,850,070	1,847,634	2,055,698	11.1%
PERSONNEL					
Full-Time	40	41	41	41	—
Part-Time	1	2	2	2	—
FTEs	11.49	13.09	13.09	13.09	—
REVENUES					
Other Charges/Fees	79,358	91,000	141,000	227,000	149.5%
Other Fines/Forfeitures	20,610	10,000	10,000	10,000	—
Other Licenses/Permits	4,600	9,000	9,000	6,000	-33.3%
Tree Canopy	0	50,000	50,000	250,000	400.0%
County General Fund Revenues	104,568	160,000	210,000	493,000	208.1%
GRANT FUND MCG					
EXPENDITURES					
Salaries and Wages	0	0	0	0	—
Employee Benefits	0	0	0	0	—
Grant Fund MCG Personnel Costs	0	0	0	0	—
Operating Expenses	83,243	0	0	0	—
Capital Outlay	0	0	0	0	—
Grant Fund MCG Expenditures	83,243	0	0	0	—
PERSONNEL					
Full-Time	0	0	0	0	—
Part-Time	0	0	0	0	—
FTEs	0.00	0.00	0.00	0.00	—
REVENUES					
Miscellaneous Revenues	1,250	0	0	0	—
State Grants	33,387	0	0	0	—
Grant Fund MCG Revenues	34,637	0	0	0	—
WATER QUALITY PROTECTION FUND					
EXPENDITURES					
Salaries and Wages	5,413,078	5,863,038	5,689,315	6,230,239	6.3%
Employee Benefits	1,794,004	2,013,922	1,788,239	2,095,836	4.1%
Water Quality Protection Fund Personnel Costs	7,207,082	7,876,960	7,477,554	8,326,075	5.7%
Operating Expenses	11,095,329	12,588,827	12,926,210	14,947,752	18.7%
Capital Outlay	0	56,000	0	0	—
Water Quality Protection Fund Expenditures	18,302,411	20,521,787	20,403,764	23,273,827	13.4%
PERSONNEL					
Full-Time	42	46	46	50	8.7%
Part-Time	1	1	1	0	—
FTEs	81.39	84.39	84.39	86.69	2.7%
REVENUES					
Bag Tax	2,406,995	2,150,000	2,150,000	2,400,000	11.6%
Investment Income	11,430	8,540	21,020	81,730	857.0%
Water Quality Protection Fee	23,571,861	28,273,690	28,630,224	32,633,364	15.4%
Other Charges/Fees	57,357	200,000	200,000	200,000	—
Water Quality Protection Fund Revenues	26,047,643	30,632,230	31,001,244	35,315,094	15.3%
DEPARTMENT TOTALS					
Total Expenditures	19,904,667	22,371,857	22,251,398	25,329,525	13.2%
Total Full-Time Positions	82	87	87	91	4.6%
Total Part-Time Positions	2	3	3	2	-33.3%
Total FTEs	92.88	97.48	97.48	99.78	2.4%
Total Revenues	26,186,848	30,792,230	31,211,244	35,808,094	16.3%

FY16 RECOMMENDED CHANGES

	Expenditures	FTEs
COUNTY GENERAL FUND		
FY15 ORIGINAL APPROPRIATION	1,850,070	13.09
<u>Changes (with service impacts)</u>		
Enhance: Tree Canopy Conservation - Tree Planting [Environmental Policy and Compliance]	200,000	0.00
<u>Other Adjustments (with no service impacts)</u>		
Increase Cost: FY16 Compensation Adjustment [Environmental Policy and Compliance]	44,218	0.00
Increase Cost: Annualization of FY15 Lapsed Positions [Environmental Policy and Compliance]	38,105	0.00
Increase Cost: Retirement Adjustment [Environmental Policy and Compliance]	13,785	0.00
Increase Cost: Group Insurance Adjustment [Administration]	3,972	0.00
Decrease Cost: Printing and Mail [Administration]	-4,069	0.00
Decrease Cost: Lapse Part-Time Program Manager II (.5 FTE) and substitute with contractual services for data analysis and research services in Office of Sustainability [Environmental Policy and Compliance]	-22,344	0.00
Decrease Cost: Motor Pool Rate Adjustment [Environmental Policy and Compliance]	-33,446	0.00
Decrease Cost: Annualization of FY15 Personnel Costs [Environmental Policy and Compliance]	-34,593	0.00
FY16 RECOMMENDED:	2,055,698	13.09
WATER QUALITY PROTECTION FUND		
FY15 ORIGINAL APPROPRIATION	20,521,787	84.39
<u>Changes (with service impacts)</u>		
Enhance: Stormwater Management maintenance including new and newly transferred facilities [Watershed Management]	706,100	0.00
Enhance: Stormwater Management Facility Inspection Contractual Assistance [Watershed Management]	385,680	0.00
Enhance: Inspections of New Stormwater Management Facilities [Watershed Management]	350,000	0.00
Enhance: M-NCPPC Stormwater Management program costs [Watershed Management]	271,627	0.00
Enhance: Operating Budget Impacts of Stormwater Management CIP Projects [Watershed Management]	257,000	0.00
Add: Post-construction monitoring of Best Management Practices (BMP) facilities within Special Protection Areas (SPA's) [Watershed Management]	177,000	0.00
Add: Planning Specialist III - Water and Sewer Planning [Watershed Management]	73,976	1.00
Add: Program Manager I - Stormwater Management Facility Inspection [Watershed Management]	73,976	1.00
<u>Other Adjustments (with no service impacts)</u>		
Increase Cost: FY16 Compensation Adjustment [Watershed Management]	172,951	0.00
Increase Cost: Homeowner Association Roads Credit Phased Implementation [Watershed Management]	147,000	0.00
Increase Cost: Charges from Other Departments [Watershed Management]	96,434	0.00
Increase Cost: Increase Senior Financial Specialist from 0.70 FTE to 1.00 FTE due to increased workload [Watershed Management]	47,142	0.30
Increase Cost: Retirement Adjustment [Watershed Management]	35,044	0.00
Increase Cost: Building Rent - 255 Rockville Pike [Watershed Management]	32,005	0.00
Increase Cost: Annualization of FY15 Lapsed Positions [Environmental Policy and Compliance]	23,836	0.00
Increase Cost: Group Insurance Adjustment [Watershed Management]	14,625	0.00
Increase Cost: Administrative Specialist II - Stormwater Management CIP program (charged to CIP)	6,286	0.00
Decrease Cost: Printing and Mail [Watershed Management]	-4,565	0.00
Decrease Cost: Elimination of One-Time Items Approved in FY15 [Watershed Management]	-56,000	0.00
Decrease Cost: Annualization of FY15 Personnel Costs [Watershed Management]	-58,077	0.00
FY16 RECOMMENDED:	23,273,827	86.69

PROGRAM SUMMARY

Program Name	FY15 Approved		FY16 Recommended	
	Expenditures	FTEs	Expenditures	FTEs
Watershed Management	20,521,787	84.39	23,115,048	85.69
Environmental Policy and Compliance	1,017,282	7.94	1,387,254	8.94
Administration	832,788	5.15	827,223	5.15
Total	22,371,857	97.48	25,329,525	99.78

CHARGES TO OTHER DEPARTMENTS

Charged Department	Charged Fund	FY15		FY16	
		Total\$	FTEs	Total\$	FTEs
WATER QUALITY PROTECTION FUND					
CIP	CIP	2,681,739	24.20	2,918,293	25.20

FUTURE FISCAL IMPACTS

Title	CE REC. FY16	FY17	FY18	(FY19 \$000's)	FY20	FY21
This table is intended to present significant future fiscal impacts of the department's programs.						
COUNTY GENERAL FUND						
Expenditures						
FY16 Recommended	2,056	2,056	2,056	2,056	2,056	2,056
No inflation or compensation change is included in outyear projections.						
Labor Contracts	0	4	4	4	4	4
These figures represent the estimated annualized cost of general wage adjustments, service increments, and associated benefits.						
Subtotal Expenditures	2,056	2,060	2,060	2,060	2,060	2,060
WATER QUALITY PROTECTION FUND						
Expenditures						
FY16 Recommended	23,274	23,274	23,274	23,274	23,274	23,274
No inflation or compensation change is included in outyear projections.						
Labor Contracts	0	27	27	27	27	27
These figures represent the estimated annualized cost of general wage adjustments, service increments, and associated benefits.						
Building Rent - 255 Rockville Pike	0	17	40	64	89	89
DEP share of building rent of 255 Rockville Pike offices.						
Homeowner Association Roads Credit Phased Implementation	0	16	43	181	209	209
These amounts relate to a phased implementation of a Water Quality Protection Charge credit program authorized by Bill 34-12 for Homeowner Association roads.						
Inspections of New Stormwater Management Facilities	0	0	0	0	30	30
These figures represent costs associated with the inspection of new above ground and underground stormwater management facilities.						
Operating Budget Impacts of Stormwater Management CIP Projects	0	209	941	1,473	1,989	1,989
These figures represent the Operating Budget Impacts of Stormwater Management projects in the FY16-20 CIP.						
Program Growth	0	50	100	150	200	200
These figures represent the anticipated increase of expenditures related to an increase in Water Quality Protection initiatives, including the MS4 program.						
Subtotal Expenditures	23,274	23,594	24,425	25,169	25,818	25,818

FY16-21 PUBLIC SERVICES PROGRAM: FISCAL PLAN				Water Quality Protection Fund			
FISCAL PROJECTIONS	FY15 Estimate	FY16 CE REC	FY17 PROJECTION	FY18 PROJECTION	FY19 PROJECTION	FY20 PROJECTION	FY21 PROJECTION
ASSUMPTIONS							
Indirect Cost Rate	15.87%	15.98%	15.98%	15.98%	15.98%	15.98%	15.98%
CPI (Fiscal Year)	1.72%	2.0%	2.2%	2.3%	2.5%	2.8%	3.1%
Investment Income Yield	0.17%	0.65%	1.25%	1.75%	2.25%	2.75%	3.50%
Number of Equivalent Residential Units (ERUs) Billed	326,857	372,369	372,369	372,369	372,369	372,369	372,369
Water Quality Protection Charge (\$/ERU)	\$88.40	\$88.40	\$93.25	\$93.50	\$115.75	\$121.00	\$124.25
Collection Factor for Charge	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%
BEGINNING FUND BALANCE	9,901,939	10,698,486	4,462,993	1,668,003	1,833,243	3,132,532	4,348,962
REVENUES							
Charges For Services	28,630,224	32,633,364	34,430,324	34,522,954	42,766,734	44,711,904	45,916,044
Bag Tax Receipts	2,150,000	2,400,000	1,920,000	1,536,000	1,228,800	983,040	786,432
Miscellaneous	221,020	281,730	357,170	420,040	482,910	545,780	640,080
Subtotal Revenues	31,001,244	35,315,094	36,707,494	36,478,994	44,478,444	46,240,724	47,342,556
INTERFUND TRANSFERS (Net Non-CIP)	(4,306,744)	(4,350,760)	(8,762,910)	(8,760,610)	(13,976,710)	(14,170,160)	(14,174,510)
Transfers To General Fund	(1,287,544)	(1,330,510)	(1,330,510)	(1,330,510)	(1,330,510)	(1,330,510)	(1,330,510)
Indirect Costs	(1,206,980)	(1,330,510)	(1,330,510)	(1,330,510)	(1,330,510)	(1,330,510)	(1,330,510)
Technology Modernization	(80,564)	0	0	0	0	0	0
Transfers to Debt Service Fund (Non-Tax)	(3,019,200)	(3,020,250)	(7,432,400)	(7,430,100)	(12,646,200)	(12,839,650)	(12,844,000)
TOTAL RESOURCES	36,596,439	41,662,820	32,407,577	29,386,387	32,334,977	35,203,096	37,517,008
CIP CURRENT REVENUE APPROPRIATION	(3,826,000)	(13,926,000)	(6,490,000)	(1,740,000)	(1,840,000)	(1,940,000)	(1,940,000)
PSP OPER. BUDGET APPROP/ EXP'S.							
Operating Budget	(20,403,764)	(23,273,827)	(23,952,377)	(24,683,977)	(25,489,507)	(26,392,447)	(27,416,837)
FFI - Inspection of New Facilities	0	0	0	0	0	(30,000)	(30,000)
FFI - Operating Impacts of CIP Projects	0	0	(209,000)	(941,000)	(1,473,000)	(1,989,000)	(1,989,000)
FFI - Homeowner Association Roads Phase In	0	0	(16,000)	(43,000)	(181,000)	(209,000)	(209,000)
FFI - Building Rent Escalation	0	0	(22,197)	(45,167)	(68,938)	(93,687)	(93,687)
FFI - Program Growth	0	0	(50,000)	(100,000)	(150,000)	(200,000)	(250,000)
Subtotal PSP Oper Budget Approp / Exp's	(20,403,764)	(23,273,827)	(24,249,574)	(25,813,144)	(27,362,445)	(28,914,134)	(29,988,524)
OTHER CLAIMS ON FUND BALANCE	(1,668,189)	0	0	0	0	0	0
TOTAL USE OF RESOURCES	(25,897,953)	(37,199,827)	(30,739,574)	(27,553,144)	(29,202,445)	(30,854,134)	(31,928,524)
YEAR END FUND BALANCE	10,698,486	4,462,993	1,668,003	1,833,243	3,132,532	4,348,962	5,588,484
END-OF-YEAR RESERVES AS A							
PERCENT OF RESOURCES	29.2%	10.7%	5.1%	6.2%	9.7%	12.4%	14.9%
NET REVENUE	9,309,936	10,710,757	11,127,410	9,335,340	15,785,489	15,996,080	16,023,522
DEBT SERVICE COVERAGE RATIO	3.08	3.55	1.50	1.26	1.25	1.25	1.25
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 to fee or tax rates, usage, inflation, future labor agreements, and other factors not assumed here. 2. Stormwater facilities transferred into the maintenance program will be maintained to permit standards as they are phased into the program. 3. Operating costs for new facilities to be completed or transferred, Operating Budget Impacts of Stormwater CIP projects, and Program Growth between FY17 and FY21 have been incorporated in the future fiscal impact (FFI) rows. 4. The operating budget includes planning and implementation costs for compliance with the 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. The Department of Finance issued \$37.8 million in Water Quality Protection Charge Revenue Bonds dated July 18, 2012 (Series 2012A). The actual debt service costs for the Series 2012A bond issuance and projected debt service for future bond issuances (\$50 million in FY2016 and \$65 million in FY2018) are included in the fiscal plan. Actual debt service costs may vary depending on the size and timing of future debt issues. Current revenue may be used to offset future borrowing requirements. Future WQPC rates are subject to change based on the timing and size of future debt issuance, State Aid, and legislation. 5. Charges are adjusted to fund the planned service program and maintain net revenues sufficient to cover 1.25 times debt service costs. 6. The Water Quality Protection fund balance policy target is 10%-15% of resources.							

ATTACHMENT B – Non-administrative Operating Dollars – General Fund

Department of Environmental Protection

General Fund - CE Recommended Operating Budget - FY16

	FY16 CE OMB Recommended	
Prof. Purchase Of Service-Tree Canopy Law Expenditures	\$ 250,000	
Prof. Purchase Of Service-Office of Sustainability	124,310	
Prof. Purchase Of Service-Green Business Certification Program	20,000	
Tree Maintenance Services - Gypsy Moth Suppression	15,450	
Communication Charges (Landline and Cell Phones)	15,610	
Assigned Motor Pool Vehicles	12,869	
Supplies, Equipment & Materials for Compliance Team	9,150	(Note A)
Central Duplicating Chargebacks (Postage, Mail & Inter-Office Pony charges)	8,671	
Computer Equipment, Software, Repairs, and Supplies	7,965	
Advertising - Legal Compliance (Noise Waiver & Quarry License Ads)	3,500	
Professional/Licensure/Occupational Health & Safety Training	3,150	(Note B)
Office Supplies (including paper)	3,000	
Copier Leases	3,000	
Office Furniture	2,500	
Uniforms & Shoes (Union Required)	1,800	
Other Non-Professional Services	1,800	
Advertising - Jobs	500	
Other - Boards/Commissions/Committee Expenditures	200	
Metropolitan Area Travel	100	
TOTAL OPERATING EXPENSE	<u>\$ 483,575</u>	

Note A - Items needed in the performance of field duties. Example include: Spill absorbent, personal protective equipment, water testing kits, tools and materials for IDDE (Illicit Discharge and Elimination).

Note B - DEPC Field staff are required to attend training classes to maintain their Environmental Health Specialist License, Hazwoper (Hazardous Waste Operations and Emergency Response) Certification, and Visible Emissions Certification.

My Green Montgomery Update April 2015

■ Are there any major changes/enhancements in the program in FY15 or recommended for FY16?

In FY15, My Green Montgomery continued its long-term shift from focusing on “Green Plans” and encouraging people to sign up, to becoming a news source for all things green in the County. Our analysis of the first few years of the program showed that users did not maintain engagement after the initial completion of the “Green Plans”. Instead, users returned numerous times to the site when it displayed regular new and interesting content. FY15 demonstrated this fact as our 55.5% increase in blog posts led to a 26.8% increase in overall website users.

To further expand upon our shift towards a content-centric and user-friendly news platform, much of the focus in the 2nd and 3rd quarters of FY15 was on redesigning the website. The new design, to be launched in the 4th quarter, will be mobile responsive with an engaging blog design, search functionality, a new “Your Stories” blog feed and the elimination of the “Green Plan” registration. The website will be more colorful, dynamic and easier to navigate no matter the device. Our hope for the future is that My Green Montgomery becomes the on-the-go tool used by County residents to find green events.

In FY15, My Green Montgomery also launched an instagram site, @MyGreenMC. It is one of the first instagram accounts in the County. Instagram will be integrated in the new website design and feature prominently on the homepage.

Goals for FY16 include:

- Increasing the number of guest blogs from individuals and businesses. The “Your Stories” section will serve as a focal point for highlighting green champions and their success stories.
- Adding new green projects and incentives.
- Integrate My Green Montgomery with the other DEP educational programs (the Green Business Certification Program and Tree Montgomery) so that users can navigate easily between the content.

■ What agencies and outside groups are regularly contributing to the site?

Organizations Contributing Content to MyGreenMontgomery:

All Eco Design Center

Neighbors of Northwest Branch

Poolesville Green

United Church of Christ of Seneca Valley

Wildlife Habitat Council

Benchmarking leaders including: JBG, Tower Companies, MCPS, Washington Real Estate Investment Trust

▪ **How many “hits” per month are we getting on the site?**

We have the following data (July 1, 2014 - March 31, 2015):

- Users: 10,641 (26.8% increase from previous FY Review)
- Total number of sessions by all users: 14,952 (30.3% increase)
- Average monthly sessions: 1,655
- Pageviews: 31,207 (26% increase)
- Average number of pages viewed per visit: 2.09 (3% decrease)
- Average length of visit: 2 minutes 11 seconds (1.5% decrease)
- Percentage of new visits: 69.8%

Other data:

- The blog featured 70 articles (55.5% increase)
- 11 guest bloggers contributed content
- Events added to the calendar: 129
- People/groups adding events to the calendar: 25

Facebook

- People/groups who “Like” My Green Montgomery on Facebook as of March 31: 459
- Percent growth from FY start: 49.5%
- Total daily engagements with our page: 396 (131% increase)
- Total number of posts: 587
- Total post reach: 30,979 users with an average of 53 users per post

Twitter

- Twitter followers as of March 31: 644 (88% increase)

Instagram

- @MyGreenMC launched on September 12, 2014
- Number of followers as of March 31: 43

▪ **How many folks have created “green plans” through the site?**

Throughout Fiscal Year 2014, the focus of My Green Montgomery shifted from encouraging people to sign up for the green plans to focusing on the blog, guest contributions from DEP staff and outside groups, and promoting the sharing of ideas and calendar events. Our analysis of the first few years of the program showed that users did not maintain engagement after the initial completion of the “Green Plans.” Instead, users returned numerous times to the site when it regularly displayed new and interesting content. In FY15, My Green Montgomery continued this long-term shift from focusing on “Green Plans” and encouraging people to sign up, to becoming a news source for all things green in the County.

Attachment D – Gypsy Moth Program Data

Costs for Gypsy Moth Suppression Program

Item	FY12 Actual	FY13 Actual	FY14 Actual	FY15 Actual	FY16 Request
Gypsy Moth Survey					
Number of plots in Montgomery County	574	502	562	697	700
Cost to MDA (50% of Total)	\$6,930	\$7,530	\$7,065	\$7,875	\$15,450
Cost to County (50% of Total)	\$6,930	\$7,530	\$7,065	\$7,875	\$15,450
Total Survey Costs	\$13,860	\$15,060	\$14,130	\$15,750	\$30,900
Total Acreage Sprayed					
Sprayed by MDA	0	0	0	0	0
Sprayed by County	0	0	0	0	0
Total Acreage Sprayed	0	0	0	0	0
Costs for MDA Spraying					
Cost to MDA and Feds (70% of Total)	\$0	\$0	\$0	\$0	\$0
Cost to County (30% of Total)	\$0	\$0	\$0	\$0	\$0
Total Costs for MDA Spraying	\$0	\$0	\$0	\$0	\$0
Costs for County Spraying					
Cost to County (100% of Total)	\$0	\$0	\$0	\$0	\$0
Costs for County Outreach					
Total Costs for County Outreach	\$0	\$0	\$0	\$0	\$0
Total Cost of Gypsy Moth Program for MCG					
Cost to MDA	\$6,930	\$7,530	\$7,065	\$7,875	\$15,450
Cost to County	\$6,930	\$7,530	\$7,065	\$7,875	\$15,450
	\$13,860	\$15,060	\$14,130	\$15,750	\$30,900

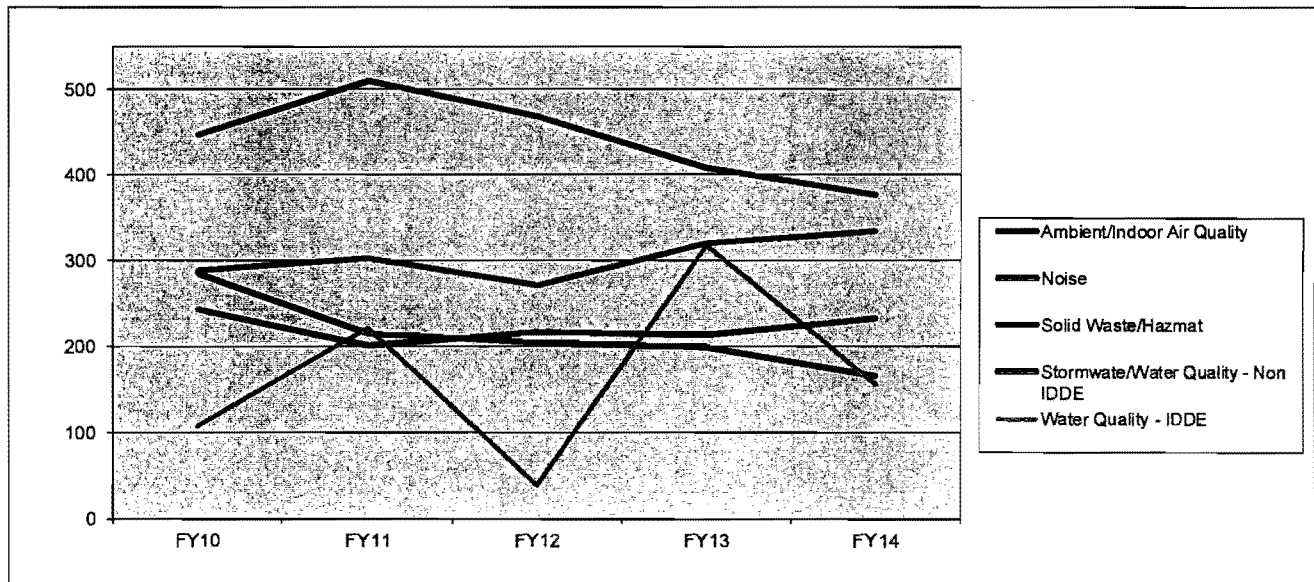
Attachment C – Compliance Cases FY10 - FY14

Compliance Cases FY10 - FY14

Type	Fund	FY10	FY11	FY12	FY13	FY14	Total	FY10	FY11	FY12	FY13	FY14	Total
Ambient Air	GF	158	123	133	132	112	546	10.2%	7.5%	9.4%	8.0%	7.5%	10.0%
Indoor Air	GF	127	92	71	67	54	357	8.2%	5.6%	5.0%	4.1%	3.6%	6.5%
Noise	GF	289	303	270	319	333	1,181	18.7%	18.6%	19.1%	19.5%	22.2%	21.6%
Solid Waste	SW	420	474	448	377	352	1,719	27.1%	29.1%	31.8%	23.0%	23.5%	31.5%
Hazmat	SW	26	35	19	30	24	110	1.7%	2.1%	1.3%	1.8%	1.6%	2.0%
Stormwater	WQ	126	103	118	104	125	451	8.1%	6.3%	8.4%	6.3%	8.4%	8.3%
Water Quality - Non IDDE	WQ	116	97	99	108	107	420	7.5%	6.0%	7.0%	6.6%	7.1%	7.7%
Water Quality - IDDE	WQ	106	220	38	317	155	681	6.8%	13.5%	2.7%	19.3%	10.4%	12.5%
County Facility	GF	0	1	1	0	0	2	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%
PIA	GF	181	182	214	186	235	763	11.7%	11.2%	15.2%	11.3%	15.7%	14.0%
Total		1,549	1,630	1,411	1,640	1,497	5,465	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

The following consolidated case categories are displayed graphically below:

Consolidated Case Types	Fund	FY10	FY11	FY12	FY13	FY14	Total	FY10	FY11	FY12	FY13	FY14	Total
Ambient/Indoor Air Quality	GF	285	215	204	199	166	903	18.4%	13.2%	14.5%	12.1%	11.1%	16.5%
Noise	GF	289	303	270	319	333	1,181	18.7%	18.6%	19.1%	19.5%	22.2%	21.6%
Solid Waste/Hazmat	SW	446	509	467	407	376	1,829	28.8%	31.2%	33.1%	24.8%	25.1%	33.5%
Stormwater/Water Quality - Non IDDE	WQ	242	200	217	212	232	871	15.6%	12.3%	15.4%	12.9%	15.5%	15.9%
Water Quality - IDDE	WQ	106	220	38	317	155	681	6.8%	13.5%	2.7%	19.3%	10.4%	12.5%
Total		1,368	1,447	1,196	1,454	1,262	5,465	88.3%	88.8%	84.8%	88.7%	84.3%	100.0%



April 2015

Attachment G – FY16 WQPF Operating Budget

Montgomery County, Maryland

Water Quality Protection Fund (WQPF)

WQPF Analysis of Budget Changes by Program FY15-16

	FY15	FY16	Increase (Decrease)	Notes
Department of Environmental Protection				
PERSONNEL COSTS	\$ 5,133,186	\$ 5,462,141	\$ 328,955	Miscellaneous personnel compensation adjustments (life insurance, retirement, etc.); Also includes \$135,380 for: Program Manager I - SWM Facility Inspection/Maintenance and Planning Specialist III - Water & Sewer Planning
OPERATING COSTS				
SWM Facility Inspection Services	1,232,670	1,968,350	735,680	Increase due to growth in inspection workload associated with stormwater facilities
SWF Maintenance	3,776,370	4,359,470	583,100	Increase due to new & newly transferred stormwater facilities
Low-Impact Development: Residential	657,206	324,060	(333,146)	(see Water Restoration Grant Program for Non-Profits)
Water Restoration Grant Program for Non-Profits	-	350,000	350,000	Continuation of grant program established in FY15 using LID budget
Targeted Streetsweeping	231,160	231,160	-	
Watershed Monitoring (Stream Gauges)	497,520	497,520	-	
BMP Monitoring in Special Protection Areas	-	177,000	177,000	New program as a result of Amendment to Exec Reg 9-13
Misc. Stream Restoration Maintenance	130,020	160,020	30,000	Increase due to OBI's from Stream Valley Improvements CIP
Water Quality Planning & Monitoring	19,560	19,560	-	
MS4 Outreach and Education Programs	130,000	130,000	-	
Grants for SHA Roads	300,000	447,000	147,000	Increase due to phased-in implementation of the WQPC credit program for Homeowner Association Roads
Office of Sustainability - Tree Program	66,700	66,700	-	
Professional Services to support Bill 34-2	178,200	178,200	-	
SWM Database	62,880	62,880	-	
Professional GIS Services	45,760	45,760	-	
Contractual Administrative Support for MS4	21,250	21,250	-	
Lease Space for 255 Rockville Pike	611,830	643,837	32,007	Increased cost of existing space and security costs
General Operating Expenses (Phones, Supplies, etc)	93,253	101,346	8,093	
Motor Pool	219,138	219,138	-	
Capital Outlay	56,000	-	(56,000)	No vehicles requested for FY16
Department of Finance				
Personnel Costs - Costs related to Bag Tax Collection	106,326	113,283	6,957	Annualization of compensation increases
Personnel Costs - Costs related to collection of WQPC	244,500	228,260	(16,240)	Re-allocation of chargeback from PC to OE made by Finance
Operating Costs - Costs related to collection of WQPC	25,550	43,770	18,220	Re-allocation of chargeback from PC to OE made by Finance
Department of Economic Development				
Personnel Costs - for Soil Conservation District	200,000	217,198	17,198	Annualization of compensation increases
Operating Costs - for Soil Conservation District	120,000	109,344	(10,656)	Adjustment to offset increase in PC chargeback from DED
Department of Transportation				
Personnel Costs - Storm Drain Maintenance	2,192,945	2,305,193	112,248	Annualization of compensation increases
Operating Costs - Storm Drain Maintenance	1,341,205	1,341,205	-	
Operating Costs - Streetsweeping	-	350,000	350,000	Transfer of DOT Streetsweeping to WQPF
M-NCPPC				
M-NCPPC Water Quality Activities - Parks	2,468,155	2,739,782	271,627	Increase requested by MNCPPC
M-NCPPC Water Quality Activities - Planning	360,400	360,400	-	
Subtotal - WQPF Operating Budget	20,521,784	23,273,627	2,752,043	
WQPF Cash Transferred to CIP				
DEP Capital Improvements Projects	1,150,000	11,250,000	10,100,000	
DOT Capital Improvements Projects	2,676,000	2,676,000	-	
Subtotal - WQPF Cash Transferred to CIP	3,826,000	13,926,000	10,100,000	
Total Use of WQPF Resources	\$ 24,347,784	\$ 37,199,627	\$ 12,852,043	
Transfer to Debt Service Fund	\$ 3,019,200	\$ 3,020,260	\$ 1,050	Required Amounts from Bond Amortization Schedule

Attachment H – FY16 Recommended Changes

\$356,100	Maintenance of New and Newly Transferred Stormwater Facilities	To provide for the mandatory maintenance of new stormwater management facilities and existing stormwater management facilities that transfer into the County's maintenance program.
350,000	Streetsweeping	To provide funding for the transfer of DOT Streetsweeping costs to WQPF.
385,680	Stormwater Management Facility Inspection Contractual Assistance	To provide funding for three (3) contractual inspectors to support the additional maintenance inspection workload.
350,000	Inspections of New Stormwater Management Facilities	Provides for the inspection of new facilities added to the inventory
271,627	M-NCPPC Parks Dept SWMF Maintenance Program	To provide for the increase requested by M-NCPPC to cover staffing and other costs for the Parks department to meet NPDES requirements.
257,000	Operating Budget Impacts of Stormwater Management CIP Projects.	Provides for Operating Budget Impacts (OBI's) for completed CIP projects as indicated in the FY15-20 Capital Improvements Program.
177,000	Post-Construction Monitoring of Best Management Practices (BMP) facilities within Special Protection Areas (SPA's)	To conduct mandatory post-construction monitoring of Best Management Practices (BMP) facilities within Special Protection Areas (SPA's)
147,000	Homeowner Association Roads Credit Phased Implementation	To provide for the increase related to the phased-in implementation of the WQPC credit program for Homeowner Association Roads.
73,976	Planning Specialist III - Water and Sewer Planning	To provide for a new Planning Specialist III to address the unmet needs of the Water and Wastewater Policy and Planning Group as a result of staff lost during the recession.
73,976	Program Manager I – Stormwater Management Facility Inspection	To provide for a new Program Manager I as a result of the increase in inspections which have doubled over the past 5 years. This position will handle scheduling/work order issuance as well as assign and oversee the work of contractors (which must be performed by a County employee).
6,286	Operating Costs for Administrative Specialist II – Stormwater Management CIP Program	To provide for the operating costs associated with a new Administrative Specialist II to address the substantial increase in contract actions as a result of the ramping up of DEP's Capital Improvements Program to meet the MS4 target for restoration of impervious area. The personnel costs for this position will be paid by the CIP.

Attachment I – Stormwater Management Facilities

Stormwater Facility Type	Stormwater Facility Category	Total (as of 4/14)	Private Maintenance (as of 4/15)	DEP Maintenance (as of 4/15)	Total (as of 4/15)
ESD		1,946	2,745	290	3,035
Bioswale	ESD	20	2	40	42
Cistern	ESD	4	9	-	9
Dry Well	ESD	1,581	2,387	-	2,387
Green Roof	ESD	26	28	18	46
Infiltration Berm	ESD	-	-	1	1
Landscape Infiltration	ESD	-	8	2	10
Micro-bioretenction	ESD	49	27	83	110
Micro-Infiltraton	ESD	87	128	7	135
Porous Pavement	ESD	58	31	72	103
Rain barrel	ESD	15	15	-	15
Raingarden	ESD	38	25	49	74
Submerged Gravel Wetland	ESD	-	-	2	2
Swale	ESD	68	85	16	101
Above-Ground		2,651	1,104	1,674	2,778
Bioretention	AG - Structural	295	113	242	355
Constructed Wetland	AG-Structural	118	53	66	119
Dry Pond	AG-Structural	720	281	444	725
Dry swale	AG-Structural	13	7	11	18
Infiltration Basin	AG-Structural	62	31	30	61
Infiltration Trench	AG-Structural	668	337	360	697
Levee	AG-Structural	4	-	4	4
Surface Sandfilter	AG-Structural	538	190	350	540
Tree Box	AG-Structural	32	18	40	58
Wet Pond	AG-Structural	201	74	127	201
Underground		3,146	1,542	1,809	3,351
Flowsplitter	AG & UG - Structural	1,007	375	694	1,069
Aquafilter	UG-Structural	11	6	5	11
Aquaswirl	UG-Structural	36	13	23	36
BayFilter	UG-Structural	36	17	18	35
Baysaver	UG-Structural	156	66	91	157
Bayseparator flowsplitter	UG-Structural	1	-	1	1
Contech-CDS	UG-Structural	1	1	30	31
CrystalStream	UG-Structural	1	-	2	2
DownStream Defender	UG-Structural	3	-	3	3
Oil/Grit Separator	UG-Structural	703	347	354	701
Stormceptor	UG-Structural	243	155	90	245
Stormfilter	UG-Structural	217	119	150	269
Storm Trap	UG-Structural	2	1	4	5
Underground Sandfilter	UG-Structural	253	140	113	253
Underground Storage	UG-Structural	416	275	190	465
Water Quality Inlets	UG-Structural	11	-	11	11
Vortechnics	UG-Structural	9	2	7	9
Vortsentry	UG-Structural	40	25	23	48
Total		7,743	5,391	3,773	9,164

Attachment F – Monthly Revenue from Bag Tax

CARRYOUT BAG TAX - MONTGOMERY COUNTY, MD					
COLLECTION MONTH	AMOUNT (\$)	CUMULATIVE AMOUNT (\$)	NUMBER OF BAGS	CUMULATIVE NUMBER	REGISTERED RETAILERS
Feb-15	200,416	7,569,784	5,010,418	189,220,632	1,231
Jan-15	200,918	7,369,368	5,022,930	184,210,214	1,228
Dec-14	264,976	7,168,450	6,624,411	179,187,284	1,224
Nov-14	200,275	6,903,474	5,006,886	172,562,873	1,217
Oct-14	234,177	6,703,199	5,855,944	167,555,987	1,210
Sep-14	199,286	6,469,022	4,958,193	161,700,043	1,202
Aug-14	210,782	6,269,736	5,269,627	156,741,850	1,191
Jul-14	192,245	6,058,954	4,806,133	151,472,223	1,188
Jun-14	200,851	5,866,709	5,019,585	146,666,090	1,185
May-14	195,170	5,665,858	4,879,250	141,646,505	1,175
Apr-14	180,477	5,470,688	4,511,925	136,767,255	1,168
Mar-14	196,878	5,290,211	4,921,944	132,255,330	1,165
Feb-14	181,601	5,093,333	4,540,034	127,333,386	1,160
Jan-14	198,629	4,911,732	4,965,737	122,793,352	1,149
Dec-13	253,646	4,713,103	6,341,153	117,827,615	1,141
Nov-13	197,733	4,459,457	4,943,337	111,486,462	1,136
Oct-13	230,424	4,261,724	5,760,612	106,543,125	1,131
Sep-13	189,683	4,031,300	4,742,076	100,782,513	1,121
Aug-13	198,135	3,841,617	4,953,366	96,040,437	1,119
Jul-13	190,884	3,643,482	4,772,108	91,087,071	1,108
Jun-13	194,820	3,452,598	4,870,489	86,314,963	1,100
May-13	185,391	3,257,778	4,634,769	81,444,474	1,088
Apr-13	188,642	3,072,387	4,716,045	76,809,705	1,070
Mar-13	198,525	2,883,745	4,963,121	72,093,660	1,058
Feb-13	178,704	2,685,220	4,467,597	67,130,539	1,044
Jan-13	194,325	2,506,516	4,858,125	62,662,942	1,032
Dec-12	251,210	2,312,191	6,280,256	57,804,817	1,011
Nov-12	189,073	2,060,981	4,726,818	51,524,561	979
Oct-12	238,753	1,871,908	5,968,827	46,797,743	954
Sep-12	191,964	1,633,155	4,799,107	40,828,916	942
Aug-12	190,660	1,441,191	4,766,505	36,029,809	928
Jul-12	184,843	1,250,531	4,621,087	31,263,304	910
Jun-12	197,587	1,065,688	4,939,678	26,642,217	891
May-12	181,195	868,101	4,529,868	21,702,539	851
Apr-12	175,626	686,906	4,390,652	17,172,671	803
Mar-12	175,224	511,280	4,380,605	12,782,019	746
Feb-12	171,758	336,056	4,293,952	8,401,414	666
Jan-12	164,298		4,107,462		548

SOURCE:

Montgomery County Department of Finance, Division of Treasury

NOTES:

Collections are received in the subsequent month. For example, April 2013 collections which represent carryout bags distributed that month are received in the month of May 2013. Also, for some smaller retailers, payment may represent a reporting period that covers several months.

Monthly data may be revised as new information is received (data above shows the latest information). In some cases, retailers make corrections in subsequent month pertaining to a prior period(s).

Amounts are shown rounded to whole dollars.

Retailers may file as corporate entity (i.e., not by store location), may file using consolidated return (i.e., multiple store locations in the County), and may file from out-of-state. Therefore, the County does not have data on collections or number of bags by store location.



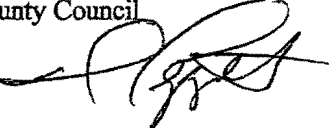
OFFICE OF THE COUNTY EXECUTIVE
ROCKVILLE, MARYLAND 20850

Isiah Leggett
County Executive

MEMORANDUM

March 16, 2015

TO: George Leventhal, President, County Council

FROM: Isiah Leggett, County Executive 

SUBJECT: Budget Amendments: FY15-20 Recommended Capital Improvements Program

In January 2015, I submitted my recommended FY16 Capital Budget and FY15-20 Capital Improvements Program (CIP) amendments. Since that time, I have reviewed a number of CIP projects and am now recommending additional CIP adjustments to encourage economic development, leverage outside funding, protect core infrastructure, maintain public safety, reflect updated schedule and cost information, and align the CIP and Capital Budget with the FY16 Operating Budget recommendations.

Below, I am highlighting projects that are new or significantly changed since I submitted my January 15th recommendations.

White Oak Transportation Planning

This new project supplemental is recommended to fund studies needed to develop cost estimates for the transportation infrastructure improvements identified in the White Oak Science Gateway Master Plan. Improvements include intersection, mass transit and pedestrian/bikeway facilities, and conducting a traffic study related to the Local Area Transportation Review (LATR) for planned development in the area. The results of these studies will facilitate the development of a strategy for funding the necessary improvements.

Cost Sharing – Capital Improvement Grants for Arts and Humanities Organizations

I am recommending funding for two FY15 emergency grants (\$143,116) and five FY16 grants (\$625,004) as recommended by the Arts and Humanities Council. The emergency grants will address drainage problems at the Sandy Spring Museum (\$15,937) and replace unsupported critical software for the Montgomery Community Television (\$127,179). The FY16 CIP Grants for Arts and Humanities Organizations include: The Writer's Center, Inc.: \$250,000; Montgomery Community Television, Inc.: \$119,181; Sandy Spring Museum, Inc.: \$30,170; Round House Theatre, Inc.: \$155,572; and American Dance Institute: \$70,081. I am also including \$515,000 for Community Grants within the Cost Sharing: MCG project (CIP#720601).

Storm Drain Culvert Replacement

Funds have been added to the Storm Drain Culvert Replacement project to replace the Connecticut Avenue culvert and to repair the Sunflower Drive culvert. These repairs are needed to ensure public safety and to preserve core infrastructure.

**FY15-20 RECOMMENDED AMENDED CIP
MARCH BUDGET AMENDMENTS SUMMARY (\$000S)
March 16, 2015**

Circle #	PROJECT #	PROJECT NAME	EXPLANATION OF ADJUSTMENT	FY15-20 CHANGE	FUNDING SOURCES
13	P720601	Cost Sharing: MCG	Add five FY16 capital improvements grants (\$625,004) and \$515,000 in community grants for FY16 as recommended by the Arts and Humanities Council. Also add \$1 million in GO bonds to match state grant for Strathmore Hall facility improvements.	1,000	GO Bonds; Current Revenue: General
14	P501470	Storm Drain Culvert Replacement	Fund Connecticut Avenue culvert replacement and Sunflower Drive culvert repair.	1,600	Water Quality Protection Charge
EXISTING PROJECTS - FY15-20 - FUNDING SWITCHES, REALLOCATIONS, OTHER CHANGES					
15	P076510	MCPS Funding Reconciliation	Funding switches reflect adjustments related to reallocating FY15 Impact Taxes from the Ride One Bus project. Reduces need for FY16 Current Revenue Appropriation	-	Recordation Tax; GO Bonds, Current Revenue General
16	P500717	Montrose Parkway East	Funding switch - Replace \$2.350 in GO Bonds with Impact Taxes.	-	GO Bonds; Impact Taxes
FY15-20 ADJUSTMENTS - FOR INFORMATION PURPOSES ONLY					
17	P846540	Relocatable Classrooms	Accelerate appropriation for FY16 relocatable expenditures into FY15 as requested by MCPS. (Supplemental has already been sent to Council.)	-	Current Revenue: General
18	P076510	MCPS Funding Reconciliation	Replace \$856,000 in reduced recordation tax proceeds. Note Current Revenue: General appropriation savings related to funding switches.	-	Recordation Tax, GO Bonds

Storm Drain Culvert Replacement (P501470)

Amendment

Category Conservation of Natural Resources
Sub Category Storm Drains
Administering Agency Transportation (AAGE30)
Planning Area Countywide

Date Last Modified 11/17/14
Required Adequate Public Facility No
Relocation Impact None
Status Ongoing

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	1,545	19	206	1,320	180	420	180	180	180	180	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	8,755	659	616	7,480	1,020	2,380	1,020	1,020	1,020	1,020	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	10,300	678	822	8,800	1,200	2,800	1,200	1,200	1,200	1,200	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	1,500	678	822	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	4,800	0	0	4,800	0	0	1,200	1,200	1,200	1,200	0
Water Quality Protection Charge	4,000	0	0	4,000	1,200	2,800	0	0	0	0	0
Total	10,300	678	822	8,800	1,200	2,800	1,200	1,200	1,200	1,200	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	2,800
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,700
Expenditure / Encumbrances		1,127
Unencumbered Balance		1,573

Date First Appropriation	FY 14
First Cost Estimate	
Current Scope	FY 16
Last FY's Cost Estimate	8,700
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

Description

This program will provide for the replacement of failed storm drain pipes and culverts. The County's storm drain infrastructure is aging and many of the metal pipe culverts installed from 1960 through the 1990's have reached the end of their service life. Currently no asset inventory with condition assessment exists; therefore no funding is programmed for systematic replacement of these pipes and culverts. This program will provide for emergency culvert replacement and provide for funding to assist in the development of an asset inventory program to better forecast future replacement needs. This program includes; storm water pipe and culvert replacement of both metal and concrete less than six (6) feet in roadway longitudinal length (structures greater than six feet roadway longitudinal length are repaired under the Bridge Renovation Program, CIP#509753), headwalls, end sections, replacement, or extension of culverts to assure positive flow of storm water and channeling of storm water into existing ditch lines or structures. Repairs also include roadside pipe and culvert end treatment safety improvements to eliminate safety hazards. This project will not make major changes to the location or size of existing storm drainage structures.

Cost Change

Increase cost to address emergency culvert replacement on Connecticut Avenue and repair on Sunflower Drive.

Justification

This program will address emergency pipe replacements of aging metal and concrete pipes that have reached the end of their service life. The result of these pipe failures has been deep depressions, sinkholes, sediment build up, open pipe joints and metal pipe inverts to an unacceptable levels. Existing storm drain conditions are extremely poor. Repairs are need to improve safety and reduce the potential for hazards and associated public inconvenience. Failure of a storm drain pipe will precipitate emergency repairs at much higher prices. Further, this program will provide some funding towards the development of an asset inventory of the storm drain system including pipe and culvert conditions for future funding forecasting.

Fiscal Note

Funding source changed from General Obligation Bonds to Water Quality Protection Charge (FY15 and FY16) and Water Quality Protection Bonds (FY17-20).

Disclosures

Expenditures will continue indefinitely.

Coordination

Washington Suburban Sanitary Commission, Washington Gas Company, Department of Permitting Services, Pepco, Cable TV, Verizon, Montgomery County Public Schools, Regional Service Centers, Community Associations, Commission on People With Disabilities, Maryland Department of Environment, Montgomery County Department of Environmental Protection, Army Corps of Engineers

19/20

Storm Drain Culvert Replacement (P501470)

Approved
FY15-20 CIP

Category Conservation of Natural Resources
Sub Category Storm Drains
Administering Agency Transportation (AAGE30)
Planning Area Countywide

Date Last Modified 12/23/13
Required Adequate Public Facility No
Relocation Impact None
Status Ongoing

Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,305	0	225	1,080	180	180	180	180	180	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	7,395	0	1,275	6,120	1,020	1,020	1,020	1,020	1,020	0
Other	0	0	0	0	0	0	0	0	0	0
Total	8,700	0	1,500	7,200	1,200	1,200	1,200	1,200	1,200	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	1,500	0	1,500	0	0	0	0	0	0	0
Water Quality Protection Bonds	4,800	0	0	4,800	0	0	1,200	1,200	1,200	0
Water Quality Protection Charge	2,400	0	0	2,400	1,200	1,200	0	0	0	0
Total	8,700	0	1,500	7,200	1,200	1,200	1,200	1,200	1,200	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	1,200
Appropriation Request Est.	FY 16	1,200
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,500
Expenditure / Encumbrances		0
Unencumbered Balance		1,500

Date First Appropriation	FY 14
First Cost Estimate	
Current Scope	FY 15 8,700
Last FY's Cost Estimate	0
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

Description

This program will provide for the replacement of failed storm drain pipes and culverts. The County's storm drain infrastructure is aging and many of the metal pipe culverts installed from 1960 through the 1990's have reached the end of their service life. Currently no asset inventory with condition assessment exists; therefore no funding is programmed for systematic replacement of these pipes and culverts. This program will provide for emergency culvert replacement and provide for funding to assist in the development of an asset inventory program to better forecast future replacement needs. This program includes; storm water pipe and culvert replacement of both metal and concrete less than six (6) feet in roadway longitudinal length (structures greater than six feet roadway longitudinal length are repaired under the Bridge Renovation Program, CIP#509753), headwalls, end sections, replacement, or extension of culverts to assure positive flow of storm water and channeling of storm water into existing ditch lines or structures. Repairs also include roadside pipe and culvert end treatment safety improvements to eliminate safety hazards. This project will not make major changes to the location or size of existing storm drainage structures.

Cost Change

Increase due to addition of FY19 and FY12 to this ongoing level of effort project.

Justification

This program will address emergency pipe replacements of aging metal and concrete pipes that have reached the end of their service life. The result of these pipe failures has been deep depressions, sinkholes, sediment build up, open pipe joints and metal pipe inverts to an unacceptable levels. Existing storm drain conditions are extremely poor. Repairs are need to improve safety and reduce the potential for hazards and associated public inconvenience. Failure of a storm drain pipe will precipitate emergency repairs at much higher prices. Further, this program will provide some funding towards the development of an asset inventory of the storm drain system including pipe and culvert conditions for future funding forecasting.

Fiscal Note

Funding source changed from General Obligation Bonds to Water Quality Protection Charge (FY15 and FY16) and Water Quality Protection Bonds (FY17-20).

Disclosures

Expenditures will continue indefinitely.

Coordination

Washington Suburban Sanitary Commission, Washington Gas Company, Department of Permitting Services, Pepco, Cable TV, Verizon, Montgomery County Public Schools, Regional Service Centers, Community Associations, Commission on People With Disabilities, Maryland Department of Environment, Montgomery County Department of Environmental Protection, Army Corps of Engineers

George Leventhal, President
April 20, 2015
Page 4

Bethesda CBD Streetscape Project delays related to undergrounding power lines are reflected in the revised implementation schedule.

Fibernet Reflects a funding switch to implement an agreement with the Maryland Municipal League to provide support to the Fibernet project in exchange for increased operating support, similar to the agreement with Takoma Park.

State Transportation Participation/Rapid Transit System The project has been updated to identify Route 29 and MD 355 as target Rapid Transit System routes to meet bond counsel's reporting requirements to use liquor bonds for these purposes. The project has also been amended to reflect County Executive transfers of liquor bonds to the Rapid Transit System (\$1 million) and Montrose Parkway East (\$1 million) project.

Stormwater Management Project Updates Stormwater management project amendments reflect \$12.871 million in increased Water Quality Protection Charge funding in FY16 and FY17 in order to defer the need for issuing Water Quality Protection bonds as indicated in the recent fiscal plan. The Facility Planning: SM project has also been adjusted to better reflect anticipated annual spending.

White Flint Fire Station #23 The FY16 appropriation has been updated to reflect the need to fully appropriate a design contract in FY16.

I realize that this package of amendments is complex as necessitated by changing revenues and circumstances. Again, I am recommending those in the third series of amendments, only if the Council ultimately exceeds the bond capacity levels I have recommended. As always, Executive staff is available to assist you in your review.

IL:jah

Attachments: FY15-20 Biennial Recommended CIP April Budget Adjustments Summary
Amended Project Description Forms

cc: Timothy L. Firestine, Chief Administrative Officer
Patricia O'Neill, President, Board of Education
Larry Bowers, Acting Superintendent, Montgomery County Public Schools
Casey Anderson, Chair, Montgomery County Planning Board
Dr. DeRionne Pollard, President, Montgomery College
Stephen B. Farber, Council Administrator
Bonnie Kirkland, Assistant Chief Administrative Officer
Department and Office Directors

**FY15-20 RECOMMENDED AMENDED CIP
APRIL BUDGET AMENDMENTS SUMMARY (\$000S)
April 21, 2015**

Circle #	PROJECT #	PROJECT NAME	EXPLANATION OF ADJUSTMENT	FY15-20 CHANGE	FUNDING SOURCES
14	360902	Montgomery County Radio Shop Relocation	Shift funds between FY18 and FY19 for affordability	-	GO bonds; interim finance
15	500102	Bethesda CBD Streetscape	Project has been delayed due to issues related to undergrounding power lines. Funds have been shifted from FY18 to FY19	-	
16	507154	Traffic Signals	Shift funds between FY18 and FY19 for affordability	-	GO Bonds
17	509651	Fibernet	Reflects funding switch to reflect an agreement with the Maryland Municipal League similar to the Takoma Park agreement	-	Cable TV, Contributions
18	500722	State Transportation Participation	Update the project scope to identify Rte 29 and MD355 as target RTS routes per bond counsel instruction. Reflect CE transfer of unused liquor bonds to Montrose Parkway East (\$1M) and Rapid Transit System (\$1M) projects.	(2,000)	Liquor Bonds
19	809319	Facility Planning: SM	Adjust yearly funding schedule to reflect anticipated work	-	Water Quality Protection Charge
20	800700	SM Facility Major Structural Repair	Replace Water Quality Protection Bonds with Water Quality Protection Charge funds in FY16 and FY17 consistent with the fiscal plan	-	WQP Charge, WQP Bonds
21	800900	SM Retrofit - Government Facilities	Replace WQPB with WQPCharge funds as noted above	1	WQP Charge, WQP Bonds
22	801300	SM Retrofit - Roads	Replace WQPB with WQPCharge funds as noted above	-	WQP Charge, WQP Bonds
23	801301	SM Retrofit - Schools	Replace WQPB with WQPCharge funds as noted above	-	WQP Charge, WQP Bonds
24	807359	Misc Stream Valley Improvements	Replace WQPB with WQPCharge funds as noted above	-	WQP Charge, WQP Bonds
FY15-20 ADJUSTMENTS - FOR INFORMATION PURPOSES ONLY					
25	451502	White Flint Fire Station #23	Update FY16 appropriation to reflect multi-year design contract	-	GO Bonds
26	501318	Rapid Transit System	Reflects transfer of \$1M in liquor bonds from the State Transportation Participation project. Offsets reduction in state aid and adds \$500,000 to the project	500,000	Liquor Bonds; State aid

Facility Planning: SM (P809319)

Category Conservation of Natural Resources
 Sub Category Stormwater Management
 Administering Agency Environmental Protection (AAGE07)
 Planning Area Countywide

Date Last Modified 1/6/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	17,445	8,108	937	8,400	1,150	1,250	1,350	1,450	1,550	1,650	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	52	52	0	0	0	0	0	0	0	0	0
Total	17,497	8,160	937	8,400	1,150	1,250	1,350	1,450	1,550	1,650	0

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	5,000	5,000	0	0	0	0	0	0	0	0	0
State Aid	140	140	0	0	0	0	0	0	0	0	0
Stormwater Management Waiver Fees	797	797	0	0	0	0	0	0	0	0	0
Water Quality Protection Charge	11,560	2,223	937	8,400	1,150	1,250	1,350	1,450	1,550	1,650	0
Total	17,497	8,160	937	8,400	1,150	1,250	1,350	1,450	1,550	1,650	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	1,150
Appropriation Request Est.	FY 16	1,250
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,862
Expenditure / Encumbrances		9,154
Unencumbered Balance		1,708

Date First Appropriation	FY 93
First Cost Estimate	
Current Scope	FY 15 17,497
Last FY's Cost Estimate	15,312
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

Increased
Funding

Description

This project provides for facility planning and feasibility studies to evaluate watershed conservation needs and to identify remedial project alternatives for stormwater management, stormwater retrofit, Environmental Site Design (ESD)/Low Impact Development (LID), and stream restoration projects. Projects in facility planning may include the preparation of watershed plans assessing stream restoration, stormwater management retrofit projects, and LID and ESD projects to help mitigate degraded stream conditions in rural and developed watersheds. Water quality monitoring and analysis is required to quantify impacts of watershed development and projects implemented in Retrofit SM Government Facilities (No. 800900), SM Retrofit Roads (No. 801300), SM Retrofit Schools (No. 801301), SM Retrofit Countywide (No. 808726), and Misc Stream Valley Improvements (No. 807359). The projects generated in facility planning support the requirements in the County's Municipal Separate Storm Sewer System (MS4) Permit. Facility planning represents planning and preliminary design and develops a program of requirements in advance of full programming of a project. This project also provides for operation of automated fixed monitoring stations as required by the MS4 Permit.

Cost Change

Increase due to an increase in the number of projects budgeted related to complying with requirements of the County's MS4 permit and the addition of FY19 and FY20 to this ongoing project adjusted for prior project delays.

Justification

The Facility Planning products support the requirements outlined in the MS4 Permit as detailed in the Montgomery County Coordinated Implementation Strategy (CCIS). This project establishes the facilities planning data and alternatives analysis needed to identify and set priorities for individual capital projects. Facility planning costs for projects which are ultimately included in stand-alone Project Description Forms (PDFs) are reflected here and not in the resulting individual project. Future individual CIP projects which result from facility planning will each reflect reduced planning and design costs.

Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Maryland-National Capital Park and Planning Commission, U. S. Army Corps of Engineers, Washington Suburban Sanitary Commission, Department of Transportation, Montgomery County Public Schools, SM Retrofit Government Facilities (No. 800900), SM Retrofit Roads (No. 801300), SM Retrofit Schools (No. 801301), SM Retrofit Countywide (No. 808726), Misc. Stream Valley Improvements (No. 807359).

SM Facility Major Structural Repair (P800700)

Category Conservation of Natural Resources
 Sub Category Stormwater Management
 Administering Agency Environmental Protection (AAGE07)
 Planning Area Countywide

Date Last Modified 4/21/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,750	1,586	1,179	3,985	765	615	805	670	80	1,050	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	24,985	3,223	2,677	19,085	6,765	2,925	2,195	2,330	2,920	1,950	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	31,735	4,809	3,856	23,070	7,530	3,540	3,000	3,000	3,000	3,000	0

FUNDING SCHEDULE (\$000s)

State Aid	1,680	0	480	1,200	200	200	200	200	200	200	0
Water Quality Protection Bonds	27,055	1,809	3,376	21,870	7,330	3,340	2,800	2,800	2,800	2,800	0
Water Quality Protection Charge	3,000	3,000	0	0	0	0	0	0	0	0	0
Total	31,735	4,809	3,856	23,070	7,530	3,540	3,000	3,000	3,000	3,000	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	7,631
Appropriation Request Est.	FY 16	3,239
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,930
Expenditure / Encumbrances		6,298
Unencumbered Balance		2,632

Date First Appropriation FY 07		
First Cost Estimate		
Current Scope	FY 15	31,735
Last FY's Cost Estimate		19,930
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Funding
Switch

Description

This project provides for the design and construction of major structural repairs to County maintained stormwater management facilities. The County is responsible for structural maintenance of over 2,600 stormwater management facilities. The project includes old facilities that require more extensive maintenance as ponds fill with sediment, pipes rust, concrete structures crack and deteriorate, and dam embankments develop leaks. Some of the existing stormwater facilities require extensive engineering analysis and design and may require retrofitting which is funded through the SM Retrofit: Countywide project (No. 808726).

Cost Change

Increase in FY15 is primarily due to the need to hydraulically dredge two large lakes (Lake Whetstone and Gunners Lake), the addition of the FY19 and FY20 to this ongoing project, and adjustments for prior project delays.

Justification

This project provides for major structural repairs in order to comply with the County's MS4 permit. It is limited to funding repairs at facilities that require extensive engineering design and permitting that cannot be accomplished within a single fiscal year due to the time required to obtain State and Federal permits.

Other

Projects include: Quince Orchard Manor (Quince Orchard Valley Neighborhood Park), Lake Whetstone, Chadswood, Hunters Woods, B'nai Israel, Brandermill, Gunners Lake, Colony Pond, and Persimmon Tree.

Fiscal Note

Indicated State Aid is preliminary and unappropriated. Funding may need to be revised based on actual State Aid commitments.

Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Department of Transportation, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Homeowners Associations, Montgomery County Public Schools, Department of General Services, Maryland State Highway Administration, SM Retrofit: Countywide (No. 808726), Maryland Department of Natural Resources.

SM Retrofit - Government Facilities (P800900)

Category Conservation of Natural Resources
 Sub Category Stormwater Management
 Administering Agency Environmental Protection (AAGE07)
 Planning Area Countywide

Date Last Modified 1/6/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	13,529	4,728	1,979	6,822	2,246	826	1,000	950	900	900	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3	3	0	0	0	0	0	0	0	0	0
Construction	14,269	2,939	420	10,910	780	1,990	1,820	2,320	2,000	2,000	0
Other	18	18	0	0	0	0	0	0	0	0	0
Total	27,819	7,688	2,399	17,732	3,026	2,816	2,820	3,270	2,900	2,900	0

FUNDING SCHEDULE (\$000s)											
State Aid	192	192	0	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	26,445	6,314	2,399	17,732	3,026	2,816	2,820	3,270	2,900	2,900	0
Water Quality Protection Charge	1,182	1,182	0	0	0	0	0	0	0	0	0
Total	27,819	7,688	2,399	17,732	3,026	2,816	2,820	3,270	2,900	2,900	0

OPERATING BUDGET IMPACT (\$000s)											
Maintenance				609	13	25	42	139	168	222	
Net Impact				609	13	25	42	139	168	222	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	3,026
Appropriation Request Est.	FY 16	2,816
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		12,582
Expenditure / Encumbrances		9,587
Unencumbered Balance		2,995

Date First Appropriation	FY 09	
First Cost Estimate		
Current Scope	FY 15	27,819
Last FY's Cost Estimate		25,982
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Funding
Switch

Description

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices at County facilities such as buildings, parking garages, and parking lots constructed prior to modern stormwater management controls. ESD/LID stormwater devices include: Green Roofs, bioretention areas, tree box inlets, porous concrete, and other types of devices that promote water filtering and groundwater recharge. Implementing new stormwater devices in developed areas built with inadequate or no stormwater control is required in the County's Municipal Separate Storm Sewer System (MS4) Permit as detailed in the Montgomery County Coordinated Implementation Strategy (CCIS). The Department of Environmental Protection (DEP) in coordination with the Department of General Services (DGS) has identified candidate CIP projects that will be implemented jointly.

Cost Change

Increase due to the addition of FY19 and FY20 adjusted for prior project delays.

Justification

This project supports the requirements of the County's MS4 permit and addresses the goals of the Chesapeake Bay tributary strategy initiatives, and the County's adopted water quality goals (Chapter 19, Article IV), which require that the County provide stormwater controls for 20 percent of impervious surfaces not currently treated to the maximum extent practicable, with an emphasis, where possible, on the use of LID/ESD devices.

Fiscal Note

No State Aid is assumed for this project in FY15 to FY20. Funding schedule may need to be revised based on actual State Aid commitments.

Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Department of General Services, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment, Maryland Department of Natural Resources.

SM Retrofit - Roads (P801300)

Category Conservation of Natural Resources
 Sub Category Stormwater Management
 Administering Agency Environmental Protection (AAGE07)
 Planning Area Countywide

Date Last Modified 4/21/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	35,200	304	4,736	30,160	5,710	5,340	5,020	4,640	4,750	4,700	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	76,615	88	8,267	68,260	7,030	8,740	21,300	11,370	10,420	9,400	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	111,815	392	13,003	98,420	12,740	14,080	26,320	16,010	15,170	14,100	0

FUNDING SCHEDULE (\$000s)											
State Aid	45,195	392	13,003	31,800	5,300	5,300	5,300	5,300	5,300	5,300	0
Water Quality Protection Bonds	66,620	0	0	66,620	7,440	8,780	21,020	10,710	9,870	8,800	0
Total	111,815	392	13,003	98,420	12,740	14,080	26,320	16,010	15,170	14,100	0

OPERATING BUDGET IMPACT (\$000s)											
Maintenance				5,874	282	496	550	1,110	1,524	1,912	
Net Impact				5,874	282	496	550	1,110	1,524	1,912	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	7,440
Appropriation Request Est.	FY 16	19,570
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		27,925
Expenditure / Encumbrances		7,241
Unencumbered Balance		20,684

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 15 111,815
Last FY's Cost Estimate	76,425
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

Funding
Switch

Description

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices along County roads constructed prior to modern stormwater management controls. ESD/LID stormwater devices include bioretention, curb extensions, porous concrete, tree box inlets and other types of devices that promote water filtering and groundwater recharge.

Cost Change

Increase due to an increase in the amount of retrofit projects beginning in FY15 and the addition of FY19 and FY20 to this ongoing project.

Justification

This project supports the requirements of the MS4 permit and addresses the goals of the Chesapeake Bay tributary strategy initiative, and the County's adopted water quality goals (Chapter 19, Article IV). The County's MS4 permit requires that the County provide stormwater controls for 20 percent of impervious surfaces not currently treated to the maximum extent practicable, with an emphasis, where possible, on the use of ESD/LID devices. This project will be responsible for controlling stormwater on County roads, largely through ESD/LID practices, as needed to satisfy the permit requirements.

Other

A portion of these potential ESD/LID stormwater retrofits on County roads were previously programmed under the SM Retrofit - Government Facilities project (No. 800900). This new stand alone project includes all the potential ESD/LID projects for County roads and allows for a more efficient implementation of projects of similar scope in partnership with the Department of Transportation (DOT). Planned and in-construction projects include Amherst Avenue, Breewood Neighborhood Green Street, Dennis Avenue DOT Participation, Donnybrook LID Retrofit, Franklin Knolls DOT Partnership, and Sligo Park Hills Neighborhood Green Street.

Fiscal Note

While the State of Maryland has indicated a desire to provide funding, all indicated State Aid is preliminary and unappropriated in FY15-20. Funding may need to be revised based on the actual State Aid commitments.

Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Department of General Services, Department of Transportation, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment, United States Army Corps of Engineers, Maryland Department of Natural Resources.

SM Retrofit - Schools (P801301)

Category Conservation of Natural Resources
 Sub Category Stormwater Management
 Administering Agency Environmental Protection (AAGE07)
 Planning Area Countywide

Date Last Modified 1/6/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	9,315	168	1,317	7,830	1,350	1,360	1,220	1,300	1,300	1,300	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	17,140	0	40	17,100	2,120	4,920	2,260	2,600	2,600	2,600	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	26,455	168	1,357	24,930	3,470	6,280	3,480	3,900	3,900	3,900	0
FUNDING SCHEDULE (\$000s)											
Water Quality Protection Bonds	26,455	168	1,357	24,930	3,470	6,280	3,480	3,900	3,900	3,900	0
Total	26,455	168	1,357	24,930	3,470	6,280	3,480	3,900	3,900	3,900	0
OPERATING BUDGET IMPACT (\$000s)											
Maintenance				771	7	7	124	163	211	259	
Net Impact				771	7	7	124	163	211	259	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	7,161
Appropriation Request Est.	FY 16	3,440
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,280
Expenditure / Encumbrances		1,048
Unencumbered Balance		1,232

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 15
Last FY's Cost Estimate	26,455
Partial Closeout Thru	20,100
New Partial Closeout	0
Total Partial Closeout	0

Funding
Switch

Description

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices at Montgomery County Public Schools (MCPS) such as buildings, parking lots, and other impervious surfaces constructed prior to modern stormwater management controls. LID/ESD stormwater devices that may be implemented under this project include: Green roofs, bioretention areas, tree box inlets, porous concrete and other types of devices that promote water filtering and groundwater recharge.

Cost Change

Increase due to the addition of FY19 and FY20 to this ongoing project adjusted for prior project delays.

Justification

This project supports the requirements of the MS4 permit and addresses the goals of the Chesapeake Bay tributary strategy initiatives, and the County's adopted water quality goals (Chapter 19, Article IV). The County's MS4 permit requires that the County provide stormwater controls for 20 percent of impervious surfaces not currently treated to the maximum extent practicable, with an emphasis, where possible, on the use of LID/ESD devices. This project will be responsible for controlling stormwater on Montgomery County Public School (MCPS) properties largely through the use of LID/ESD practices needed to satisfy the permit requirements.

Other

A portion of these potential LID/ESD stormwater retrofits located at County schools were previously programmed under the FY11-16 Approved SM Retrofit - Government Facilities project (No. 800900). This stand-alone project includes LID/ESD projects located on MCPS property and allows for a more efficient implementation of projects in partnership with MCPS.

Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Maryland-National Capital Park and Planning Commission, Montgomery County Public Schools, Department of Permitting Services, Maryland Department of the Environment.

Misc Stream Valley Improvements (P807359)

Category Conservation of Natural Resources
 Sub Category Stormwater Management
 Administering Agency Environmental Protection (AAGE07)
 Planning Area Countywide

Date Last Modified 4/21/14
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	16,009	844	2,606	12,559	2,379	2,160	2,210	2,010	1,900	1,900	0
Land	42	2	40	0	0	0	0	0	0	0	0
Site Improvements and Utilities	2	0	2	0	0	0	0	0	0	0	0
Construction	32,860	694	2,152	30,014	4,014	3,280	7,430	6,890	4,200	4,200	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	48,913	1,540	4,800	42,573	6,393	5,440	9,640	8,900	6,100	6,100	0

FUNDING SCHEDULE (\$000s)											
State Aid	9,099	845	2,254	6,000	1,000	1,000	1,000	1,000	1,000	1,000	0
Stormwater Management Waiver Fees	233	0	233	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	39,581	695	2,313	36,573	5,393	4,440	8,640	7,900	5,100	5,100	0
Total	48,913	1,540	4,800	42,573	6,393	5,440	9,640	8,900	6,100	6,100	0

OPERATING BUDGET IMPACT (\$000s)											
Maintenance				350	10	30	40	65	95	110	
Net Impact				350	10	30	40	65	95	110	

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation Request	FY 15	6,936
Appropriation Request Est.	FY 16	3,292
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,499
Expenditure / Encumbrances		3,321
Unencumbered Balance		5,178

Date First Appropriation	FY 73
First Cost Estimate	
Current Scope	FY 15 48,913
Last FY's Cost Estimate	21,709
Partial Closeout Thru	17,368
New Partial Closeout	1,540
Total Partial Closeout	18,908

Funding Switch

Description

This project provides for design and construction of habitat restoration or stabilization measures for stream reaches having severe channel erosion, sedimentation, and habitat degradation. Developed areas constructed without modern stormwater controls contribute uncontrolled runoff which results in severely eroded streambanks, excessive sediment, tree loss, and degraded habitat for fish and aquatic life. Stormdrain outfalls damaged from severe erosion are identified and, where possible, the outfalls are repaired as part of stream restoration projects - funded from the Outfall Repairs project (No. 509948). Stream deterioration can also adversely affect sanitary sewer crossings by exposing sewer lines and manholes, which in turn can be fish barriers and leak raw sewage into streams or allow infiltration of stream baseflow into the sewer system, potentially causing substantial increases in wastewater treatment costs.

Cost Change

Increase due to an increase in the number of projects budgeted, site conditions, and higher individual project costs. Costs have also increased due to FY19 and FY20 being added to this ongoing project and are partially offset by capitalization of prior expenditures.

Justification

The project supports the requirements of the MS4 permit and addresses the goals of the Chesapeake Bay Tributary Strategy Initiatives, Anacostia Watershed Restoration Agreement, and the County's adopted water quality goals (Chapter 19, Article IV). The project will stabilize and improve local stream habitat conditions where streams have been damaged by inadequately controlled stormwater runoff. Corrective measures constructed or coordinated under this project include stream bank stabilization, channel modifications, habitat restoration, storm drain outfall or sanitary sewer infrastructure repairs to improve fish and other biological resources, while reducing sediment and nutrient loadings caused by excessive streambank erosion. The Facility Planning: SM project (No. 809319) includes funds for watershed studies and identifies and prioritizes stream reaches in need of restoration and protection.

Other

The Department of Environmental Protection identifies damaged sewer lines as part of this project, and the Washington Suburban Sanitary Commission makes sewer repairs during project construction. Projects planned for design and construction include Bel Pre Creek I, Donnybrook Tributary, Hollywood Branch I, Breewood, Bedfordshire and Fallsreach, Muddy Branch I, Great Seneca (GSGN 205), Grosvenor Tributary, Stonybrook Tributary, Snakeden Branch II, and Whetstone Run.

Fiscal Note

While the State of Maryland has indicated a desire to provide funding, all indicated State Aid is preliminary and not committed. Funding may need to be revised based on actual State Aid commitments.

Disclosures

Expenditures will continue indefinitely.

Misc Stream Valley Improvements (P807359)

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

Coordination

Department of Transportation, Maryland-National Capital Park and Planning Commission, Washington Suburban Sanitary Commission, Department of Permitting Services, Maryland Department of the Environment, Maryland Department of Natural Resources.