

CITY OF BOWIE
STATE OF THE ENVIRONMENT REPORT
FOR
FISCAL YEAR 2014

(JULY 1, 2013 TO JUNE 30, 2014)

September 2014

Prepared by the Department of Planning
and Economic Development



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I. Introduction

The *2014 City of Bowie State of the Environment Report* is a summary of the City's environmental actions and sustainability initiatives undertaken during Fiscal Year 2014 (July 1, 2013 through June 30, 2014). The report tracks the performance measurements for environmental programs and activities, specifically highlighting those identified in the Bowie Green Team 3-Year Action Plan, approved by City Council on October 1, 2012, as well as many other noteworthy City actions undertaken in the past year. In previous editions, the report mainly tracked the performance measurements identified in the City's Environmental Infrastructure Action Strategy Plan (EI Plan), approved by City Council in 2007. The specific objectives of the EI Plan have been completed.

The Green Team Action Plan is the key element of the City's participation in the Sustainable Maryland Certified (SMC) program. The Sustainable Maryland Certified program is an initiative of the Environmental Finance Center (EFC) at the University of Maryland that has been designed to support Maryland's 157 municipalities as they look for cost-effective and strategic ways to protect their natural assets and revitalize their communities. Following best practices in resource areas like water, energy, planning, health, food, and economy, a municipality can earn points toward sustainability certification. The City achieved certification in March 2013.

The SMC program enjoys the support of the Maryland Municipal League (MML). It helps communities choose a direction for their greening efforts; complete their chosen actions with help from program tools, trainings, case studies, and other resources; and be recognized for their accomplishments. The program offers a menu of actions, allowing communities to choose activities specific to their needs and plan across community priorities to achieve multiple community benefits. It encourages municipalities to consider the community as a whole, since the core of SMC is the local government/community partnership.

This report is organized into three sections. The first provides a list of accomplishments achieved during FY 2014. The second section presents specific progress made on the Bowie Green Team Action Plan. The final section of the report identifies some key findings, including some observations of the strengths, weaknesses and challenges for the City's environmental and sustainability actions, as well as an overall conclusion about the City's environment and sustainability outlook.

II. Accomplishments

- The Planning Department hired a Sustainability Planner in August 2013.
- In September 2013, the City's Watershed Manager coordinated a wetland clean-up at Gallant Fox Lane with a Bowie business.
- In October 2013, 48 volunteers cleaned five streams, removing 450 pounds of trash and 550 pounds of recycling. In April 2014, 27 volunteers removed 140 pounds of trash and 460 pounds of recycling at four stream sites in the City.
- Since FY 2011, 210 rain barrels have been registered with the City.
- The Planning Department held its annual rain barrel workshop in conjunction with the Bowie Lions Club at City Hall on May 3, 2014.
- City staff wrote an environmentally-themed article for each edition of the City's newsletter, the *Bowie Spotlight*.
- The quarterly e-newsletter with information on current Green Bowie activities had 263 subscribers.
- The City's Watershed Manager presented the EnviroScape watershed model to the 4th grade class of Rockledge Elementary School and also to students at Samuel Ogle Middle School with an additional presentation on composting from the City's Sustainability Planner.
- The City's internal workgroup, comprised of staff from departments across the City to implement the recommendations from the Energy Efficiency and Conservation Strategy, continued to meet regularly as the "Municipal Green Team."
- The City's Green Team and the Bowie Lions Club sponsored a Green Expo in April 2014 at The Kenhill Center.
- The City issued 89 rebates for lawn mowers, including one push-reel mower, four electric mowers and 84 gas mulching mowers.
- The City's Environmental Advisory Committee again attended multi-jurisdictional meetings of environmental advising groups (on October 16, 2013 and hosting the March 12, 2014 meeting).
- The Bowie Green Team sponsored an informational display at Bowiefest to promote environmental awareness.

- The number of residential properties designated as certified Backyard Wildlife Habitats by the National Wildlife Federation in the City increased to 135 properties. In addition, three City properties were certified: Bowie Town Center Pond behind City Hall, the Senior Center, & Allen Pond Park
- The Bowie Gardens4Wildlife group sponsored a habitat tour of National Wildlife Federation certified properties in the City, with more than 50 people attending.
- The City's Weed Warrior Program was continued at Whitemarsh Park with 11 work days held during the year.
- Since FY 2011, residents have installed solar panels or technologies at 239 homes.
- The City continued with its Energy Ambassador Program. Employees in each Department have been chosen as Energy Ambassadors to help focus and promote energy conservation throughout the organization.
- The Greater Bowie Chamber of Commerce and City Economic Development Committee presented a Green Business award to a local business in May 2014.
- The City's Planning Department sponsored a storm drain art contest and will paint the six winning designs on storm drains in Fiscal Year 2015.
- City Council passed a resolution declaring April 2014 as Earth Month in Bowie.
- The City's Planning Department sponsored a stargazing event titled, "Turn Off Your Lights and Look at the Stars," for 25 participants to celebrate Earth Hour.
- The City's Sustainability Planner began posting sustainability achievements and successes on the City's Facebook page, significantly increasing the number of interactions with the City website.
- The Environmental Advisory Committee sponsored three environmental film screenings in fall 2013 and early 2014, including two showings of Green Fire (50 participants) and one showing of Symphony of the Soil (35 participants).
- An Energy Audit Program for seniors was approved by City Council that provides for the payment of \$100 each for up to 100 seniors to receive a comprehensive BGE Home Performance Energy Audit. A total of 49 seniors had energy audits conducted at their homes under this program.
- The City has plans to perform 30 energy audits for seniors through the City's Residential Energy Efficiency Program over the next two-year period from 2014 to 2015. The intent of this program is to identify cost effective energy conservation measures through conducting energy audits. The program will also

- provide construction and rehabilitation funding to help make energy efficiency upgrades for eligible seniors with Community Development Block Grant funding. Also, the City received a \$180,000 grant from the State's Community Legacy Program which will further enhance this Senior Program and provide funding for approximately 15 additional homes to receive energy audits and rehabilitation work. This program is managed by the Grants Division of the City Manager's Office. Eleven energy audits for seniors were completed last fiscal year.
- An additional 16.0 kW photovoltaic (PV) installation was completed at the City's Parks Maintenance Facility. This amount, when added to the previous PV installations at this facility, brings the total to 30.9 kW in photovoltaic capacity at the Parks Maintenance Facility. Also, a 15.25 kW PV system was completed at the City's Senior Center. Overall, the City now has 58.88 kW in PV capacity at four different City sites.
 - The City again participated in the PJM Demand Response Program by switching to generators to help curtail energy usage on high demand days. Seven City facilities participated in this program. The City anticipates receiving a payment of \$66,200 in FY 2014 for its participation.
 - Smart Meters were installed in many City facilities over the past two fiscal years. These meters allow the City to monitor electricity usage in a one day delayed time of use fashion. This provides a much more in-depth view regarding how electricity is being used in City facilities and provides City staff with information as to how to achieve future energy reductions at these facilities.
 - An Urban Greening Cost Share Program was initiated by the Planning Department with funding of \$10,000. This new program provided a \$100 reimbursement to 50 City residents who planted a tree on their property.
 - A grant from the Chesapeake Bay Trust enabled a City consultant to conduct telephone survey and focus groups with City residents to ascertain their attitudes toward tree planting.
 - The City again budgeted \$32,000 for the removal and replacement of Emerald Ash Borer infested trees in the City.
 - The City planted 222 street trees, with a specific target in the Tulip Grove section that were not replacing recent removals but, instead, were added into open spaces in the public right-of-way in that section. In addition, 28 trees were planted in the parks and other City facilities.
 - The City held its annual Arbor Day celebration in April 2014 at Acorn Hill Park, which was marked by a tree planting in honor of the holiday.

- The City was designated as a “Tree City USA” community for the 22nd consecutive year.
- The City joined other local governments in the Solar Road Map effort in November 2013. This program helps local governments and others bring solar information and resources to residents. As part of this effort, the City’s website has a map of all installed solar panels on its website.
- The Planning Department submitted the first set of two-year milestones to the Maryland Department of the Environment as part of the Watershed Implementation Plan.
- Staff and members of the Green Team wrote articles for several issues of Bowie Life magazine covering Green Bowie and the Green Team, backyard habitats, Weed Warriors, and the City’s climate action series.
- The University of Maryland Environmental Finance Center completed a comprehensive review of the City’s Stormwater Management Program in terms of providing options to finance the anticipated improvements which will be required as part of the City’s new National Pollutant Discharge Elimination System MS4 Phase II General Permit.
- The City engaged the services of an engineering consultant to draft a plan for addressing the anticipated requirements of the new stormwater permit. A study was prepared that identified 34 retrofit opportunities and four stream channel restoration opportunities.
- The first year of the Invasive Control Program at Church Road Park was implemented at a cost of \$75,000. This program is designed to remove and control the non-native invasive plant infiltration that is causing an environmental threat to this Park and is negatively impacting forest mitigation efforts that are occurring there.
- Between October 2013 and January 2014, 40 residents, business owners, homeowner associations and local organizations participated in a series of community climate action meetings. In total, 104 comments were received and will be considered before a final Climate Action Plan is presented to City Council.
- Community Greenhouse Gas reduction actions were quantified, and a Climate Action Plan was drafted.
- A total of 39 residents attended a pesticide and fertilizer workshop that reviewed “Best Practices to Green Your Lawn” in an environmentally proper way.
- On May 3rd and May 10th, 33 volunteers helped create a Monarch Waystation between City Hall and Bowie Town Center Pond.

- Upgrades to high efficiency LED and linear fluorescent (indoor and outdoor) lighting were implemented at several Public Works facilities, the Bowie Food Pantry, and Kenhill Center. Room occupancy sensors (lighting controls) were installed within Kenhill Center, the Streets and Utilities Offices, and the Public Works Administration Building. The BGE Smart Energy Saver Program was used to help offset some of the costs of these installations.
- Energy consumption at the Wastewater Treatment Plant was reduced by modifying how the ultraviolet (UV) disinfectant system uses electricity, by operating this system only when flow is detected. The Wastewater Treatment Plant is the largest consumer of electricity in the City, using approximately 27% of the total electricity used by the City.
- A new gas and diesel measurement system was installed at the Public Works Department. This will allow the City to have a much more precise measurement on a vehicle-by-vehicle basis of fuel consumption and allow the City to better target fuel reduction programs.
- The City was designated a Maryland Smart Energy Community through the Maryland Energy Administration (MEA). The City committed to having 20% of City buildings' electricity demand come from distributed, renewable energy generation by 2022 and a 15% reduction in energy consumption of City-owned buildings by 2016, using 2011 as the baseline.
- The Department of Public Works held fall and spring paper shredding events and a spring Styrofoam recycling event.
- The City joined the Prince George's County Municipal Collaboration, a group of 20 municipalities and Prince George's County, which together applied for and received grant funding from MEA Empower Clean Energy Communities (\$600,000) and DHCD Community Legacy (\$150,000). Participation in the collaboration allowed 20 low to moderate income homeowners in the City to receive energy audits as well as a range of energy efficient home improvements.

III. Progress on Sustainability Objectives

This section provides a narrative update on each of the Bowie Green Team Action Plan categories, including: (1) Natural Resources; (2) Local Economies; (3) Food, Health and Wellness; and, (4) Energy.

Further information can be found in the Appendices. Appendix A contains a summary table outlining the current year Bowie Green Team Actions. Appendix B

includes various Performance Indicators tracked by the Planning Department. Many of these indicators originated in the EI Plan and will be continuously reported upon in the Appendix of the annual report. Appendix C highlights City documented measures found in the adopted FY15 City budget.

A. Natural Resources Actions

The Natural Resources Actions in FY 2014 included certifying three City-owned properties as National Wildlife Federation wildlife habitats. Two volunteer workdays were held to install a Monarch Waystation at the Bowie Town Center Pond behind City Hall. The Weed Warrior Program made steady progress with 82 participants meeting on 11 workdays to remove English Ivy from over 100 trees at Whitemarsh Park. A public education brochure and advisory signs were created to support the effort. A Pesticide and Fertilizer Workshop was held in the spring and was very well attended.

B. Local Economies Actions

The Local Economies Actions completed in FY 2014 included sponsorship of the annual Bowie Green Expo at The Kenhill Center. The event has grown to include 33 vendors and approximately 250 attendees. Children's activities were a popular new addition in 2014. A link to the Maryland Green Registry was posted on the City's website. A Green Bowie Business Logo was designed, and participant window signs for Bowie Green business program were ordered. In addition, a Green Business award was presented to a Bowie business at the annual Greater Bowie Chamber of Commerce/Economic Development Committee breakfast.

C. Food, Health and Wellness Actions

The Food, Health and Wellness Actions completed in FY 2014 included promoting healthy eating at the Bowie Farmers Market (five weeks) and assisting in the Bowie-Crofton Garden Club's local plant sales. The City's Composting Brochure was updated and posted on the City's website, and copies were distributed at several community events. A community garden for the Bowie Food Pantry was created at the Kenhill Center, and the Green Team promoted plastic bag alternatives, assisting the Sierra Club in a survey at local shopping centers.

D. Energy and Climate Actions

The Energy and Climate Actions completed in FY 2014 included completion of a Community Greenhouse Gas Analysis, holding a climate action speaker series spanning three meetings and drafting a Climate Action Plan. Information on energy conservation programs was distributed via the City website and brochures at events. A special children's stargazing event was held to raise awareness about Earth Hour and the need to conserve energy.

IV. Findings

- Substantial progress was recorded in all four of the Bowie Green Team Action Plan categories, which have a continuing emphasis on public outreach and education.
- The City's mower rebate program saw a 41% decrease to 89 rebates, the lowest in the past four years.
- The City's Stream Team cleanups continue to be successful; however, the number of participants has decreased substantially (over 85%) over the past year.
- A total of 11 rain barrels were registered in the past year, bringing the total since FY 2011 to 210 registered rain barrels in the city.
- There were five LEED certified buildings in the City constructed between 2008 and 2010.
- There have been no City afforestation projects since the SHA-funded Intercounty Connector mitigation in FY 2012.
- The City's efforts to convert turf areas to native landscaping continued at a slow pace, with 5,000 square feet of converted area in FY 2014.
- The number of properties with registered backyard habitats has leveled off to around 135 despite ongoing attempts to publicize the program.
- The number of animals-running-at-large calls decreased from around 440 calls to about 350 calls, while the number of wildlife complaints continued to decrease to just over 200 for the second year in a row.
- The City's vehicle fleet increased to an all-time high of 210 vehicles, including 65 police department vehicles. The total number of vehicle miles driven increased about 2.4% between FY 2013 and FY 2014, however, the total amount of gasoline used rose by 4% and the total amount of diesel fuel grew by 8.6%.
- Recycling rates are at their highest level in the City's history (33%), but are not as high as first envisioned when the 65-gallon rolling recycling carts were distributed to all homes in the City.
- The tonnage of material landfilled as a proportion of the City's households stayed level at about 0.92 tons per household.
- The number of tons of white metal collected has been generally increasing, but declined to just over 90 tons in FY 2014.
- The Public Works Department sweeps well over 1,900 curb miles of street annually. The level of street sweeping has continued to increase each year for the past six years.
- Miles of street resurfaced increased 27% over the past year to 14.65 miles.

- The number of acres of grass maintained increased slightly from 232 acres to 235 acres.
- The number of street trees actually planted in FY 2014 (222) is slightly higher than that of FY 2013 (212).
- The City maintains 396 miles of storm sewers, 107 acres of basins, outfalls and drainage areas, including 76 ponds and basins and 40 outfalls/drainage areas. The City cleaned over 5,000 linear feet of open channels, the same amount as last fiscal year, which is down from 5,800 linear feet recorded for FY 2011.
- The number of City water system accounts averages about 7,700 residential customers and 225 commercial customers.
- The City's Annual Drinking Water Report for calendar year 2013 indicated no water quality concerns, but the report acknowledged that the City's water system is susceptible to build-up of naturally-occurring iron. The City has installed treatment to remove iron from the raw water. The number of water quality complaints was the same in FY 2013 and FY 2014 (12).
- The percentage of wastewater collection system cleaned peaked at 54.1% in FY 2009. The percentage has been increasing from an all-time low of 23.5% in FY 2012 to 48.2% in FY 2014.
- The amount of wastewater treatment sludge produced in FY 2014 (2,600 tons) is significantly less than the 3,155 tons produced in FY 2009, while the volume of wastewater treated, 700 gallons, was lower than the average of 715 gallons recorded over the previous five years.

V. Conclusion

Assessment of the City's progress and the Bowie Green Team's 3-Year Action Plan through the annual State of the Environment Report helps the City monitor the condition of the City's environment. At the end of FY 2014, major progress had been recorded in the implementation of the Bowie Green Team Action Plan. The City's environmental programs and facilities remain in full compliance with all applicable laws and regulations. The information contained in this report demonstrates that the state of the City's environment and sustainability outlook remain very good and will continue to improve. Specific areas to be targeted in the future include: waste reduction, water conservation, green purchasing and procurement, and watershed management.

Appendix A: Green Team Actions

Action	Completed	Results
<i>A. Natural Resources</i>		
Certify Bowie City Properties as NWF Wildlife Habitats	May 2014	Bowie Town Center Pond, Senior Center, & Allen Pond Park certified; 2 volunteer work days held; Monarch Waystation installed & certified at Bowie Town Center Pond
Pesticide & Fertilizer Workshop	March 2014	3 presenters and 39 attendees
Weed Warrior Program	Fall 2013 & Spring 2014	11 work days held with 82 participants providing over 200 volunteer hours; More than 100 Whitemarsh Park trees cleared of English Ivy
<i>B. Local Economies</i>		
Green Business Recognition	June 2014	Green Bowie Business logo designed; Window signs for Bowie green businesses ordered
Support and Grow Green Expo	April 2014	33 vendors and approximately 250 attendees; Kids' corner with activities provided
Promote Green Registry	Fall 2014	A link to the Maryland Green Registry is now on the City website
<i>C. Food, Health & Wellness</i>		
Promote Plastic Bag Alternatives	Spring 2014	Green Team assisted Sierra Club with reusable bag use study for Bowie; Highlighted reusable bags at Green Expo and in the May Spotlight newsletter
Access Community Garden Sites	Spring 2014	60 X 20 ft community garden was created at the Kenhill Center for the Bowie Food Pantry
Revise Composting Brochure	Fall 2013	Posted an updated compost brochure to the City website; Handed brochure out at 3 City events – Pesticide and Fertilizer Workshop, Bowie Green Expo, and Bowiefest
Spring & Fall Plant Sales	Fall 2013 & Spring 2014	Assisted Bowie-Crofton Garden Club with publicizing spring & fall plant sales held in Bowie
Farmers Market Promotion	Fall 2013	Provided healthy food booth at Bowie's farmers markets
<i>D. Energy and Climate</i>		
Create Climate Action Plan	Fall 2013 & Spring 2014	3 climate action community workshops with 40 total attendees; Greenhouse gas reductions for community actions analyzed; Draft climate action plan prepared
Promote EmPOWER Maryland	Fall 2013 & Spring 2014	Informational links posted to City website; Brochures provided at 2 events – energy focused climate action workshop and Turn Off Your Lights and Look up at the Stars
<i>Other Outreach</i>		
Green Bowie E-mail Newsletter	Fall 2013 & Spring 2014	Four e-newsletters sent; 263 subscribers
Bowie Spotlight	Fall 2013 & Spring 2014	Green Bowie articles featured in all 6 Bowie Spotlight newsletters

Appendix B: Additional Performance Indicators

Indicator	FY11	FY12	FY13	FY14
Number of lawnmower rebates issued	216	150	152	89
Pounds of trash removed from streams	2,675	2,175	1,410	590
Pounds of recyclables removed from streams	2,300	1,925	1,900	1,010
Number of stream team participants	412	307	169	75
Number of rain barrels registered*	143	185	196	210
Number of LEED certified buildings located in City (2008-2010: 1 gold, 4 silver, 1 certified)	1 (silver)	2 (gold)	1 (gold)	1 (gold)
Number of energy audit rebates issued by City	n/a	n/a	n/a	49
Number of trees planted under City rebate program	n/a	n/a	n/a	50
Number of street trees planted	149	104	165	222
Number of park trees planted	11	17	60	28
Number of acres afforested	0	42.5	0	0
Square feet of turf converted to native landscaping*	13,500	16,000	19,500	24,500
Number of registered backyard habitats*	91	102	132	135
Number of residential homes with solar panels	6	15	47	171
<i>*Each year's number presented for these indicators is the cumulative total.</i>				

Appendix C: City Documented Measures

These tables were taken from the City's Approved Budget for Fiscal Year 2015.

Animal Control

The Animal Control division of the Department of Community Services is responsible for wildlife complaints and general animal control in the City. This includes capturing any reported wild animals and pets that are either 'running-at-large' or are not leashed in public.

	<i>CY09</i>	<i>CY10</i>	<i>CY11</i>	<i>CY12</i>	<i>CY13</i>	<i>CY14</i>
Number of running-at-large calls	389	480	444	404	352	350
Number of wildlife complaints	355	348	306	247	211	220

Equipment Maintenance/Garage

Maintaining and repairing all City vehicles and equipment is the responsibility of the Equipment Maintenance and Garage division of the Department of Public Works.

	<i>FY09</i>	<i>FY10</i>	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>
Number of vehicles in service	191	193	199	201	206	210
Total number of vehicle miles driven	1,588,905	1,615,000	1,613,500	1,662,000	1,659,600	1,700,000
Number of Police vehicles	48	50	56	59	64	65
Gallons of gasoline used in all vehicles	109,000	122,800	130,700	108,100	107,100	111,440
Gallons of diesel used in all vehicles	105,600	112,900	108,100	89,300	86,500	93,910

Solid Waste

The Solid Waste division of the Department of Public Works is responsible for the collection and disposal of the City's solid waste. This includes bulk trash pickup, glass, cans, newspaper, magazines, junk mail and yard waste pickup for recycling, twice weekly household refuse pickup, weekly pickup of special metals and tires, and processing of plastics.

	<i>FY09</i>	<i>FY10</i>	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>
Number of households served	19,320	20,734	20,745	21,086	21,100	21,164
Total number of tons collected	31,696	29,865	29,627	29,409	30,120	29,250
Number of tons land filled	23,080	21,016	20,559	19,966	19,350	19,500
Number of tons recycled	8,616	8,849	9,068	9,443	10,770	9,700
Percent of solid waste stream recycled	27%	30%	31%	32%	32%	33%
Sales Revenues from Recyclables	\$48,343	\$27,330	\$41,211	\$70,166	\$28,799	\$30,000
Number of tons of white metal collected	121	173	114	91	58	90

Streets

The responsibilities of the Streets division of the Department of Public Works include all street and sidewalk maintenance as well as street and traffic signs, posts, snow removal and ice control on approximately 187 miles of City streets.

	<i>FY09</i>	<i>FY10</i>	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>
Miles of street maintained	183.5	184.2	186.7	187.5	190.5	192
Square Yards of Streets Resurfaced	155,883	142,407	157,262	194,485	173,968	249,426
Miles of street resurfaced	8.56	9.90	9.10	12.88	11.50	14.65
Curb-miles of street swept	1,834	1,840	1,867	1,875	1,905	1,920
Miles of sidewalks maintained	127	127.9	128.2	129.8	129.8	130.7
Number of street lights maintained	5,723	5,595	5,636	5,651	5,729	5,729

Public Buildings and Grounds

The Public Buildings and Grounds division of the Department of Community Services is responsible for the maintenance at all City owned buildings and facilities.

	<i>FY09</i>	<i>FY10</i>	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>
Square feet of buildings cleaned//maintained	110,732	110,732	190,732	190,732	190,732	190,732

Parks and Grounds

The Parks and Grounds division of the Department of Community Services maintains all City ball fields, parks, bike trails, fences, play areas, play equipment and flower beds as well as all trees, shrubs, and lawns on City property and the fencing along Route 197.

	<i>FY09</i>	<i>FY10</i>	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>
Number of acres of grass maintained	202	202	202	232	232	235
Average number of times mowed per year	32	32	32	38	36	35
Acres of R.O.W. and Parkland maintained	72	72	72	102	102	105
Acres of athletic field turf maintained	130	130	130	130	130	130
Number of fields maintained	78	65	65	65	65	65
Number of fields irrigated	26	26	26	26	26	26
Number of fields lighted	21	21	21	21	21	22
Miles of trail maintained	24	24	24	24	24	24
Number of trees in right of way inventoried	17,500	17,500	17,500	17,500	17,500	17,500
Number of trees maintained (pruned)	3,500	2,500	2,500	4,506	3,795	3,500
Number of trees planted in right of way	150	145	200	111	212	210*
Number of annuals/color planted	5,000	5,000	5,000	8,000	9,126	9,109

**Note: This table was taken from the Proposed FY 2015 budget*

Stormwater Management

The Stormwater Management division of the Department of Community Services currently provides stormwater facility management to the City's stormwater system.

	<i>FY09</i>	<i>FY10</i>	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>
Miles of Storm Sewers	396	396	396	396	396	396
Total acres of basins, outfalls and drainage areas maintained	99	101	101	104	107	107
Number of SWM ponds and basins maintained	69	71	71	73	76	76
Number of SWM outfalls and drainage areas maintained	40	40	40	40	40	40
Open channels cleaned (in linear feet)	-	-	5,805	5,000	5,000	5,000

Water

The Water division of the Public Works Department is responsible for the production and purification of the water supply for the City which meets or exceeds all State and Federal health standards. The water is fluoridated for health purposes and the iron is removed by a filtration-flocculation aeration-sedimentation process. The cost of maintaining the water distribution system is included in this division.

	<i>FY09</i>	<i>FY10</i>	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>
Miles of pipeline	90	90	90	90	90	90
Millions of gallons treated/delivered	743	769	746	586	572	575
Number of water/sewer customers-residential	7,700	7,700	7,700	7,700	7,700	7,700
Number of water/sewer customers-commercial	220	222	222	224	225	225
Customer complaints about water quality	10	12	8	29	12	12

Wastewater

The Wastewater division of the Public Works Department is responsible for the collection and treatment of raw sewage. This sewage is treated and returned to the Patuxent River in full compliance with State and EPA permit standards. The cost of maintaining the sewer collection system is included in this division.

	<i>FY09</i>	<i>FY10</i>	<i>FY11</i>	<i>FY12</i>	<i>FY13</i>	<i>FY14</i>
Miles of collection mains in the system	85	85	85	85	85	85
Miles of collection system cleaned	46	25	30	20	30	41
Million gallons of wastewater treated	721	761	700	715	680	700
Tons of sludge produced	3,155	3,025	2,800	2,700	2,400	2,600