

ALEXANDRIA

Environmental Policy Commission

Fiscal Year 2012 Annual Report

July 1, 2011 – June 30, 2012



ADOPTED SEPTEMBER 8, 2012

1. Introduction

The Alexandria Environmental Policy Commission (EPC) was established under Chapter 4, Article M, of the City Code to “advise and make recommendations to the City Council and, when appropriate, to the Planning Commission and City Manager.” This report provides a summary of EPC activities during Fiscal Year 2012 (FY12).

2. Who We Are

The Alexandria City Council established the EPC in 1970 to advise and make recommendations to the City Council and, where appropriate, to the Planning Commission and City Manager, on matters relating to the following:

- Clean air;
- Land use;
- Noise pollution and abatement;
- Pesticides, herbicides and contaminants;
- Solid waste;
- Water quality and supply;
- Other matters referred to the EPC by the City and citizens; and
- Other topics relating to the conservation and protection of Alexandria’s environment.

The EPC consists of 13 members, including five members from the field of environmental sciences, five citizen-at-large members, one member from the field of urban planning, one member with experience in Federal or state environmental statutes/regulations, and one representative from the Alexandria business community. The EPC may work with other organizations furthering the environmental aims of the City.

The table below identifies the Alexandrians who served on the EPC during FY12.

Peter Pennington (<i>Chair</i>)	Danielle Fidler ¹
Patrick Hagan ¹ (<i>Vice Chair</i>)	Geoffrey Goode
Rebecca Jablon (<i>Secretary</i>)	Heather Schaefer ²
Jennifer Hovis (<i>Earth Day Chair</i>)	Josh Sawislak ²
Scott Barstow	Kurt Moser
Kristen Nelson ²	Phil Voorhees ¹
Kristopher (Bobby) Croghan ¹	Chinling Chen ²

¹Membership expired during FY12.

²Membership began during FY12.

The EPC is very grateful for the help and assistance given by past members.

The EPC meets twice a month, a working meeting and a business meeting. Other meetings may be called by the Chair as necessary. All meetings are open to the public and notification of meetings is given in due time through the normal City routines. Minutes of these meetings may be found on the EPC City website: <http://alexandriava.gov/EnvironmentalPolicyCommission>

Throughout the year, the EPC has been well served by the staff of the Department of Transportation and Environmental Services (T&ES), Office of Environmental Quality. The EPC wishes to express its gratitude for the time, expertise and devotion to duty shown by T&ES leadership and staff.

3. FY12 EPC Priorities

On September 10, 2011, the EPC held its annual retreat to review past progress and set goals for the coming twelve months. It was agreed that the EPC would:

- Be available at any time to advise the Council on environmental issues.
- Continue to monitor City government progress in meeting the objectives of the Environmental Action Plan 2030 (EAP) as adopted by Council on June 23, 2009. This monitoring would include receiving reports on capital items and a series of discussions with City staff to determine knowledge of, and compliance with, the EAP.
- Utilize the concept of Eco-City Alexandria and promote activity that gives advice on reduction measures – and the consequences globally of failure.
- Improve its modes of communication so as to achieve the above.
- Continue to attend public functions and address groupings such as business and area associations in order to give out advisory leaflets on all matters environmental.
- Work with the City to produce an educational Earth Day festival with a primary objective of educating children.

The EPC's next annual retreat to review recent progress and discuss priorities for FY13 will be held in September 2012.

4. FY12 EPC Activities

City staff provided continuous updates to the EPC and sought EPC input on other developments in the City, such as:

- Progress reports on reducing the energy consumption of City government;
- The annual Green Building Report;
- Virginia Building Codes;
- Development of a sustainable purchasing policy;
- Green vehicle purchasing policy;
- Beauregard Small Area Plan;
- Waterfront Small Area Plan;
- Bikeshare developments;
- Drinking water supply;
- The community environmental health assessment and indicators on community well-being;
- Recycling; and
- Rapid transit.

The EPC met with the new City Manager to discuss environmental progress and goals moving forward.

The EPC welcomed the public to attend meetings and present issues of concern to the commission.

The EPC wrote to the City Council, or to other City commissions, on a number of issues, including:

- Recommending the new DASH buses be hybrid vehicles;
- Northern Virginia Conservation Trust grant;
- City budget;
- Beauregard Small Area Plan;
- Waterfront Small Area Plan (flood mitigation);
- Rapid transit;
- Health food proclamation; and
- Four Mile Run pump house project.

During FY12, the EPC worked with several other City commissions and groups to address water quality, energy, air quality, green building, transportation and open space issues facing the City. Members of the EPC continued to serve in an official capacity on the following City commissions and working groups:

- Mirant Community Monitoring Group;
- Earth Day Planning Committee;
- Waterfront Commission;
- Potomac Yard Metrorail Implementation Work Group;
- Transportation Commission;
- Four Mile Run Joint Task Force; and
- Ad Hoc Fort Ward Park and Museum Area Stakeholder Advisory Group.

In addition, EPC members attended planning meetings, Alexandria City Public School meetings and other commission meetings, such as the Affordable Housing Advisory Commission and Parks and Recreation Commission, in an informal capacity.

Site Visits

The EPC toured, and discussed future plans, with Covanta Energy Corporation and Alexandria Sanitation Authority (renamed Alexandria Renew Enterprises -- AlexRenew). Covanta Energy Corp. discussed their Alexandria/Arlington Resource Recovery Facility's operations and sustainability strategies. AlexRenew discussed Virginia's State of the Art Nitrogen Upgrade Program (SANUP) and how AlexRenew is meeting SANUP's requirements and mandates.

Community Outreach Activities

The EPC has continued to participate in a variety of community events in order to conduct outreach on the Eco-City Alexandria and the potential role for citizens in carrying out the EAP. For example, EPC members staffed a table at Del Ray First Thursdays, the City's annual birthday celebration, and various farmers markets around the city. The EPC continued to support the City's Green Building Workshop program and has assisted with bicycle and pedestrian count surveys.

During FY12, the EPC began working with the Beatley Library on the development of a Film Festival, with the possibility of an Eco-City film night. There are hopes to tie in the festival with the overall Alexandria Film Festival and with Earth Day.

A subgroup of EPC members, with the help of City staff, created a community outreach presentation. The EPC is set to give its first homeowner's association presentation on July 2, 2012.

In an effort to improve communication and outreach, in FY12, the EPC launched its own Facebook page (<https://www.facebook.com/pages/Environmental-Policy-Commission-Alexandria-VA/154940234588061>) and its own web-based Eco-City forum (www.alexpc.com).

At the invitation of ACTion Alexandria, the EPC assisted with the Alexandria Green Ideas Challenge, funded by Dominion Power. Entrants submitted actionable ideas for a greener, more sustainable community, that were then voted on online. Eighteen ideas were submitted, and more than 800 votes were cast. The first prize was awarded for an idea entitled Green Little Fingers, an initiative to use high efficiency indoor grow lights to grow plants year round and to teach children at Lyles Crouch Elementary more about the natural growing cycle, eating healthy and the importance of protecting natural environments.

Green Business Recognition Program

In FY12, a subgroup of EPC members worked with the Alexandria Convention & Visitors Association (ACVA) to develop a new green business recognition program. The program would be recognized under ACVA and supported by Eco-City. Businesses located within the city who are certified through a third-party program, can apply to the ACVA. The ACVA, with help from the EPC, will verify that the third-party program seems legitimate. If so, the business will be advertised on the ACVA's website as "green" (<http://www.visitalexandriava.com/alexandriagreenbusiness/>). On April 20, 2012, ACVA hosted a *Now it's Easy Being Green – Tourism Marketing Forum* to roll out the Green Business Recognition Program. As of June, 2012 eight submissions had been received, three of which has been approved.

Alexandria Earth Day

Alexandria Earth Day 2012 was celebrated at Ben Brenman Park on April 21, 2012. The theme for the 2012 Earth Day was "Eco-City." City departments, local businesses and non-profit organizations provided educational displays and hands-on activities for all ages. The 70 exhibitors were required to sign a zero-waste contract in order to participate in the event in an effort to recycle or compost all waste materials. The City Arborist also held another successful tree sale as part of this year's event. More than 1,100 visitors attended the festivities. Nearly 300 children from the City's public schools participated in the event, and the second "Trashion Fashion" show – which invited students to create outfits out of recycled materials and then present the designs on the runway at Earth Day.

Ellen Pickering Environmental Excellence Award

In FY09, the EPC partnered with the Alexandria Sanitation Authority (now AlexRenew) to establish the Ellen Pickering Environmental Excellence Award. This is the first award program in Alexandria to formally recognize outstanding citizens who have demonstrated their commitment to protecting the natural environment and promoting sustainability. In addition to citizens, an

Alexandria group, club, organization or corporate neighbor were also eligible to be nominated. The award is named in honor of Frances Ellen Pickering's lifelong dedication to preservation and conservation in the City of Alexandria. As part of the annual Earth Day celebration, the EPC and AlexRenew announced the selection of the Alexandria Bicycle and Pedestrian Advisory Committee (BPAC) as the recipient of the fourth annual award. BPAC, launched in February 2011, is an all-volunteer group that has worked to support bicycle and pedestrian initiatives within the city.

Eco-City Alexandria

The Eco-City *Environmental Action Plan 2030* (EAP) was formally adopted by City Council in June 2009, and it outlines the goals and activities that will help the City and its residents achieve the vision outlined in the Eco-City Charter. The charter, which was the first of its kind in the region, outlines the City's guiding principles and vision for a sustainable Alexandria.

The EAP establishes general policy goals, identifies specific action steps, sets tentative timelines and develops measures of success. These goals serve as the bridge between the Charter's sustainability vision/principles and the specific actions (e.g., policies, programs and projects) that may be undertaken by the City, EPC and the community in the coming years. The plan contains goals, preliminary targets and actions spread across the ten principles initially identified in the charter:

- Land Use & Open Space;
- Water Resources;
- Air Quality;
- Transportation;
- Global Climate Change and other Emerging Threats;
- Building Green;
- Solid Waste;
- Environment and Health;
- Energy; and
- Implementation.

City staff initiated development of the *Energy and Climate Change Action Plan* (eCAP) in early FY11, building upon commitments in the *Eco-City Charter* and *Environmental Action Plan 2030*, as well as important findings in the City's 2009 emissions inventory. The eCAP builds on the EAP by identifying discrete actions that will help Alexandria lead the growth of a new green economy, address the challenges of climate change and maintain our high quality of life while decreasing the city's carbon and ecological footprints. The eCAP also proposes key steps in adaptation planning to limit the damages we face from climate change and reduce the long-term costs of responding to climate-related impacts. The draft plan was made available for public comment, and was adopted by City Council in its final form in May 2011.

Continued outreach and focus on the EAP and eCAP has been a priority to the EPC during FY12. City staff developed key environmental indicators on Eco-City progress and a format to show how the indicators are progressing each year. The EPC worked with City staff to refine the development and presentation of these progress indicators. These indicators are enclosed as Attachment 1.

5. FY13 EPC Priorities

The EPC will hold its annual retreat in early September 2012 to determine its priorities for the new fiscal year.

**Fiscal Year 2012 Annual Report
Attachment 1**

ECO-CITY ALEXANDRIA

2011 Eco-City Progress Report & Key Environmental Indicators



Under the direction of and with strong commitment from the Mayor and Members of City Council, the City of Alexandria, in partnership with its Environmental Policy Commission (EPC), Virginia Tech and the community, embarked on a new initiative – Eco-City Alexandria – early in 2007 which culminated in the Council’s adoption of the Eco-City Charter, the first of its kind in the Commonwealth, in 2008, as well as the Environmental Action Plan 2030 (EAP) in 2009. Since then, the City and its residents have collectively completed numerous actions aimed at fostering the goals of the Eco-City. This report is the first attempt to quantitatively measure the progress that the residents and the City government have accomplished in leading Alexandria further towards environmental sustainability. These quantitative measures are in the form of 20 environmental indicators developed by the EPC in consultation with City staff.

Eco-Cities

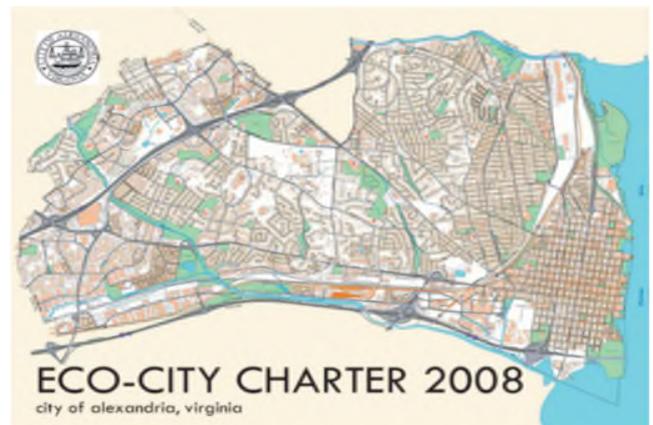
Eco-Cities are places where people can live healthier and economically productive lives while reducing their impact on the environment. They work to harmonize existing policies, regional realities, and economic and business markets with their natural resources and environmental assets. Eco-Cities strive to engage all citizens in collaborative and transparent decision making process, which is mindful of social equity concerns.

Sustainability is defined as meeting our community’s present needs while preserving our historic character and ensuring the ability of future generations to meet their own needs.

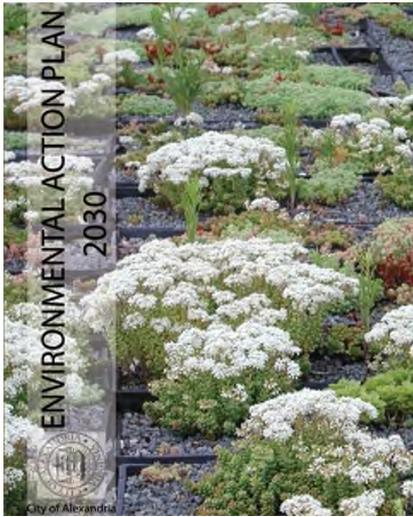
The Eco-City Charter was the first Environmental Charter adopted in Virginia. The *Eco-City Charter* serves as a document to holistically guide City leaders and residents towards a more sustainable and healthy environment. It defines Alexandria’s commitment to ecological, economic and social sustainability. The *Eco-City Charter* outlines essential environmental sustainability principles and core values, and is consistent with the City’s 2015 Strategic Plan.

Eco-City Charter’s Ten Guiding Principles

Land Use and Open Space	Building Green
Water Resources	Solid Waste
Air Quality	Environment & Health
Transportation	Emerging Threats
Energy	Implementation



The Environmental Action Plan 2030 follows the guiding principles outlined in the Eco-City Charter, and serves as road map for City leaders and residents to implement the *Eco-City Charter*. Following an extensive community outreach program which included an interactive Eco-City Café, open houses and an Eco-City Summit, City Council adopted the Environmental Action Plan 2030 in June 2009, which outlines 48 goals, 50 targets and 353 actions for the next 20 years to lead the City towards environmental sustainability.



Environmental Indicators - The Environmental Policy Commission spearheaded the development of the environmental indicators that can be measured on a routine (preferably annual) basis to quantify the progress made on the Eco-City initiative. In consultation with City staff, the commission decided on the 20 indicators listed in Table I which are related to the goals and targets of the EAP 2030 and represent activities that cover key stakeholders of Alexandria such as its residents, City government, businesses, the Alexandria City Public Schools (ACPS), DASH, American Virginia Water, and the Alexandria Sanitation Authority. This is the first time these environmental indicators are being reported and subsequently some indicators do not yet have a target value. The base year for each indicator is chosen so as to provide a meaningful measure of progress. The “% Change Compared to Base Year Value” indicates the change between the current reporting period and the base year, with a green value meaning a favorable change and a red value an unfavorable condition. The current reporting period is either calendar year 2010 or Fiscal Year (FY) 2010 since some data for 2011 or FY2011 have yet to become available at the time of this report.

TABLE I – ENVIRONMENTAL INDICATORS

ENVIRONMENTAL INDICATOR	TARGET	BASE YEAR ¹		CURRENT REPORTING PERIOD			
		YEAR	VALUE	YEAR	VALUE	% CHANGE COMPARED TO BASE YEAR VALUE ²	% CHANGE COMPARED TO TARGET VALUE
1. Air Quality Days - number of days with code red/ orange	NA	2003	13	2010	10	-23	NA
2. Per capita energy use, MWh per person per year ³	NA	2005	24.54	2010	24.28	-1	NA
3. City government operations energy use, MWh per year ⁴	NA	FY2006 ⁵	151,964	2010	121,064	-20	NA
4. Greenhouse gas emissions by City government operations, metric tons of CO ₂ per year	NA	FY2006	79,820	2010	65,616	-18	NA
5. Greenhouse gas emissions by residents and businesses, metric tons of CO ₂ per year ⁶	NA	2005	2,092,991	2010	2,184,371	+4	NA
6. Per capita greenhouse gas emissions, metric tons of CO ₂ per year ⁷	NA	2005	15.8	2010	16.1	+2	NA

ENVIRONMENTAL INDICATOR	TARGET	BASE YEAR ¹		CURRENT REPORTING PERIOD			
		YEAR	VALUE	YEAR	VALUE	% CHANGE COMPARED TO BASE YEAR VALUE ²	% CHANGE COMPARED TO TARGET VALUE
7. Percent of new developments committing to green building standard	100%	FY2010	94%	2010	94%	0	-6
8. Percent tree canopy	40%	2007	30%	2010	34%	+13 ⁸	-15
9. Number of acres protected since approval of Open Space Master Plan in 2003	100	2003	0	2010	69	-	-31
10. Percent solid waste recycling rate	35%	2008	26.9	2010	41.4	+54	+18
11. DASH Public transit ridership - number of mass transit commuters per year	N/A	FY2007	3,743,499	FY2010	3,805,551	+2	NA
12. DASH Total passengers per mile / Total passenger per hour of service	NA	FY2007	2.9 / 34.0	FY2010	2.8 / 32.5	-3/-4	NA
13. Per capita water use, gallons per person per year	NA	2005	38,249	2010	38,116	-0	NA
14. Per capita waste water treated, gallons per person per year	NA	2009	36,016	2010	36,723	+2	NA
15. Number of stormwater Best Management Practices (BMPs) in the City	NA	2005	292	2010	399	+37	NA
16. Number of respiratory health complaints received by the Alexandria Health Department	NA	FY2010	82	FY2010	82	0	NA
17. Percent of full service restaurants that are totally non-smoking	100%	FY2010	96.7%	FY2010	96.7%	0	-3
18. Percent of population living in a walkable community	NA	FY2010	73	FY2010	73	0	NA
19. ACPS energy usage per square foot of building space, Btu/ft ² /year	NA	FY2010	61,717	FY2010	61,717	0	NA
20. ACPS waste composting rate, Pounds per year	NA	FY2007	77,900	FY2010	266,329	+242	NA

¹ Base year for each indicator is chosen to provide a meaningful basis for comparison

² % Change Compared to Base Year is calculated as ratio of current value and base year value multiplied by 100 minus 100; green color indicates a favorable change and red color, an unfavorable condition

³ Energy use comprises electricity use provided by Dominion and natural gas use provided by Washington Gas; based on population of 137,602 for 2005 and 139,966 for 2010

⁴ City government operations include Alexandria City Public Schools (ACPS)

⁵ City's Fiscal Year covers July through June of the following year

⁶ Values are as-is and not normalized for weather conditions or building square footage

⁷ The inventory does not include emissions associated with air or vehicle travel outside City limits, or emissions embedded in food or other consumer goods from outside of the City

⁸ The % tree canopy was measured in 2007 and 2010 using different techniques so these data may not be compared with certainty

Initial Findings from the Environmental Indicators

Several findings can be derived from Table I, even though the data reported in this table represents a snap shot of the progress made over a relatively short period of time for a majority of indicators.

- Indicator #10 – Alexandria’s residents and businesses are to be commended for significantly increasing the waste recycling rate by 54% (from 26.9% to 41.4%) during the period 2008-2010. The City’s introduction in the later part of 2010 of 18, 35 and 65 gallon recycling carts appeared to be effective, but active participation from residents and the commercial sector was the prime factor for achieving this significant increase in waste recycling rate.
- Indicator #3 - City government operations which include the Alexandria City Public Schools reduced their energy (natural gas, electricity and other fossil fuels) usage by about 20% over the period from FY2006 to FY2010. This reduction reflects on-going energy conservation efforts at both ACPS and the City government. As a result, greenhouse gas emissions from City government operations reduced by 18% over the period 2005-2010 (Indicator #4). However, the per capita GHG emissions (Indicator #6) increase by 2% going from 2005 to 2010.
- Indicator #5 - In sharp contrast, the greenhouse gas emissions by residents and businesses increased by 4% in 2010 compared with those in 2005. Since greenhouse gas emissions from City government operations account for only 4% of the total GHG emitted from the city of Alexandria, activities by residents and businesses have by far, the most impacts on these emissions. Pro-active participation and commitment from residents and businesses are thus vital to Alexandria’s success in reducing GHG emissions.
- The percent tree canopy (Indicator #8) for the period 2007-2010 lies in the range 30-34%, being measured by different techniques in 2007 and 2010. However, with adverse climate events during the last few years, there is strong evidence that the City will not achieve the 40% target in the foreseeable future. Residents can help greatly by growing at least one new tree in their property.
- The City Green Building Policy (Indicator #7) has proved to be very effective in reducing the greenhouse gas footprint, with 94% square footage of new developments conforming to green building standards.
- The number of acres of land protected since the approval of the City’s Open Space Master Plan in 2003 amounts to 69 (Indicator #9), i.e., a significant progress since the Plan approval in 2003, but still 31 acres short of the target of 100 acres. With present difficult economic conditions, the effort to create more protected land is anticipated to slow down significantly.
- Regarding air quality days (Indicator #1), the number of days with code red/orange was computed by Virginia DEQ/AQS using the most recent set of air quality standards (75 ppb ozone, 100 ppb SO₂, 75 ppb NO₂). The number of days with code red/orange reduced from 13 in 2003 to 10 in 2010. However, looking into more details of this information, the air quality days in 2003 were caused by ozone (6 times) and SO₂ (7 times) while ozone was the sole cause for all air quality days in 2010. This is directly attributable to the City’s past effort during this period to curb SO₂ emissions from the GenOn Potomac River Generating Station. Ozone emission is a regional issue largely related to NOx and volatile organic compounds emissions from vehicles.
- The number of stormwater Best Management Practice (BMP) facilities has increased significantly from 292 facilities in 2005 to 399 facilities in 2010 (Indicator #15), increasing the total acres treated by BMPs from 887 to 1285 acres, a 45% increase.
- ACPS made great stride in composting its waste, increasing the waste composting rate by 242% from FY2007 to FY2010 (Indicator #20).
- It is worthwhile to note that about 97% of full service restaurants in Alexandria are totally non-smoking (Indicator #17).

Alexandria’s Top Ten Environmental Achievements for 2011

1. **GenOn PRGS Permanent Closure** - The City and GenOn Energy reached an agreement in August 2011 to permanently close the company’s Potomac River Generating Station by October 1, 2012. PRGS has been the single largest source of air pollutant emissions in Northern Virginia, and its retirement will undoubtedly yield significant air quality improvement and health benefits to Alexandria residents and those of neighboring jurisdictions.



2. **Solid Waste Recycling Rate** - The City reported its highest ever recycling rate of 41.4% to the Virginia DEQ for CY 2010. This dramatic increase over last year’s reported 28.6% recycling rate was



due primarily to significant increases in overall recycling collection efforts, which include 18, 35, or 65 gallon recycling carts.

3. **New Hybrid DASH Buses and King Street Trolleys** – DASH purchased and received seven 35-foot hybrid buses, three 40-foot hybrid buses and the City purchased five 30-foot hybrid trolleys.



4. **EECBG Projects** – Using funds received from the Department of Energy’s Energy Efficiency and Conservation Block Grant (EECBG) program, the City carried out several green initiatives including the following:

Developed and launched an online Virtual Green Building Resource Center, conducted six workshops and two internal training sessions, and completed 19 energy assessments at residential, commercial, and City buildings.

City Hall Green Roof - The installation of a vegetative “green” roof on the East and West courtyard structures of City Hall.

Alexandria Continued to Green Its Fleet –The purchase of 11 new Ford Fusion hybrid-electric cars, bringing the total number of hybrid vehicles in the City’s fleet to 30.

LED retrofits of traffic lights and a pilot project for replacement of street lights with energy saving LED lights.

5. **City Continued to Green Its Facilities and Promote Green Building Construction -**

New Alexandria Police Department – the new Alexandria Police Department, a 124,000 square foot facility designed and built according to the Leadership in Energy and Environmental Design (LEED) standards. The facility is pursuing LEED Gold certification.



Community Building at Four Mile Run Park - Completed in June, the former Duron Paint building, located at 4125 Mt. Vernon Avenue, was converted using green building practices to a 4,700 square foot multi-use community building.

Green Building Policy – The Green Building Policy (approved by City Council in 2009) was applied to some notable projects in 2011 that will obtain a green building certification including a 332-unit residential building (the Calvert), a 52,000

square-foot grocery store with 175 residential units (Old Town North Harris Teeter), and a 23,000 square-foot retail and office building (Yates Corner).

6. **Alexandria Joins Capital Bikeshare** - On October 11, the Alexandria City Council voted to authorize Alexandria to join the regional Capital Bikeshare network. The program will begin with eight bikeshare stations in Old Town and expand as funding becomes available. The Alexandria Capital Bikeshare network is expected to be in place by the summer of 2012.



7. **Pocket Park Improvements** - The City, in partnership with the community, enhanced two pocket parks acquired through open space funds:

Commonwealth/Reed Ave Park - The former Dominion VA Power site was adopted by Arlandria volunteers who have cleaned up, re-planted, and maintained the site throughout 2011.

Del Ray Avenue Pocket Park Phase 1 Site Improvements - Improvements at the pocket park include a rain garden- designed to capture and filter stormwater, and a nature-inspired play area constructed from renewable/recycled materials such as recycled rubber, plastic bags, and other building materials. The park is adopted by the Del Ray Citizens Association.

8. **Alexandria Sanitation Authority (ASA) Strived to Enhance Sustainable Practices** - In 2011, ASA reused more than a billion gallons of treated wastewater on the treatment plant site, thus minimizing the need to use potable water. It also reused 22,500 tons of biosolids produced on agricultural farmland in Virginia, reducing the need for commercial fertilizers. ASA also used over 118 million cubic feet of digester gas produced in its process to replace natural gas requirements and saved \$150,000 in natural gas costs. In October, City Council approved plans for an expansion to the wastewater treatment plant.

9. **Alexandria Recognized as Silver-Level Walk Friendly Community** - Alexandria was recently recognized as a Walk Friendly Community by the Pedestrian and Bicycle Information Center (PBIC), as one of ten communities recognized across the nation in the September 2011 awards. The City's Silver Level "Walk Friendly" designation, evaluates success in working to improve a wide range of conditions related to walking, including safety, mobility, and access.



10. **VML Platinum Certification** - For the fourth straight year, the City earned Platinum level certification, the highest level, in Virginia Municipal League (VML) Green Government Challenge. The City received innovation points for its adoption of the Energy and Climate Change Action Plan and the development of a virtual Green Building Resource Center.

Alexandria Environmental Policies, Plans and Programs Web Links

T&ES Office of Environmental Quality Website

<http://alexandriava.gov/Environment>

Alexandria Environmental Policy Commission Website

<http://alexandriava.gov/EnvironmentalPolicyCommission>

Eco-City Alexandria Website

www.alexandriava.gov/Eco-City

Environmental Action Plan 2030

alexandriava.gov/uploadedFiles/tes/eco-city/EAP_FINAL_06_18_09.pdf

Eco-City Charter

alexandriava.gov/uploadedFiles/tes/oeq/EcoCityCharter2008.pdf

Eco-City Alexandria "A Green-Ventory of City Environmental Policies, Plans and Programs

alexandriava.gov/uploadedfiles/tes/info/GreenVentoryReport.pdf

Eco-City Challenge

<http://alexandriava.gov/EcoCityChallenge>

Compendium of Model Sustainability Practices

ecocity.ncr.vt.edu/model.html

Open Space Plan

alexandriava.gov/uploadedfiles/recreation/info/OpenSpacePlan.pdf

Recreation, Parks & Cultural Activities Strategic Master Plan

alexandriava.gov/uploadedFiles/recreation/info/StrategicMasterPlan.pdf

Transportation Master Plan

alexandriava.gov/tes/info/default.aspx?id=3088

Water Quality Management Supplement

alexandriava.gov/tes/info/default.aspx?id=3844

Solid Waste Management Plan

alexandriava.gov/uploadedfiles/tes/info/solidwastemgmtplan.pdf

City of Alexandria Green Building Policy

alexandriava.gov/uploadedFiles/planning/info/GreenBuildingPolicyhandout.pdf

Green Building Resource Center

<https://www.Alexandriava.gov/gbrc>

For further information on this report or Eco-City Alexandria, please contact:

Department of Transportation & Environmental Services
Office of Environmental Quality
301 King Street, Room 3000, City Hall,
Alexandria, VA 22314
Telephone: 703-746-4065





AGENDA

EPC WORK SESSION

Monday, February 4, 2013

7:30 PM – 8:50 PM

Conference Room 1101, City Hall

- | | |
|-------------|---|
| 7:30 – 7:35 | Welcome and Introductions |
| 7:35 – 7:40 | Public Comments |
| 7:40 – 8:40 | Stormwater Changes: Chesapeake Bay TMDL and New Regulations, Lalit Sharma, P.E., Division Chief, Jesse Maines, Sr. Environmental Specialist, T&ES Office of Environmental Quality |
| 8:40 – 8:50 | Commission Member and Staff Updates <ul style="list-style-type: none">• Earth Day and Ellen Pickering Award Update• EPC Representative in the Fort Ward Stakeholder Advisory Group |
| 8:50 | Adjourn |



AGENDA

EPC WORK SESSION

Monday, July 2, 2012

7:30 PM – 9:30 PM

Conference Room 1101, City Hall

7:30 – 7:35	Welcome and Introductions
7:35 – 7:40	Public Comments
7:40 – 8:10	Solid Waste Recycling Program Update – Stiles Peabody, Program Analyst, T&ES Solid Waste Division
8:10 – 9:00	Alexandria Bicycle and Pedestrian Advisory Committee (BPAC) <ul style="list-style-type: none">• BPAC Presentation - Jonathan Krall• Discussion of EPC and BPAC Priorities and Opportunities for Collaboration
9:00 – 9:10	FY 2013 Calendar & Annual Report
9:10 – 9:20	Planning for EPC Picnic
9:20 – 9:30	Approval of 6-18-12 Meeting Minutes
9:30	Adjourn



Communications & Public Information

Page updated Apr 10, 2013 8:45 AM

City of Alexandria to Host 20th Annual Alexandria Earth Day on Saturday, April 20

Water: Every Drop Counts

The City of Alexandria will host the 20th annual Alexandria Earth Day and Arbor Day celebration at Ben Brenman Park, 4800 Brenman Park Dr., on Saturday, April 20, from 10 a.m. to 2 p.m. This year's theme is "Water: Every Drop Counts," highlighted by the third annual Upcycling Showcase. Upcycling is the process of converting waste materials or useless products into new materials. The showcase features students from Alexandria City Public Schools, who will model fashions created from upcycled materials. The showcase will also highlight music, dance, literature and visual arts produced by the students.

Earth Day features City agencies and organizations dedicated to protecting public health and the environment. Explore a new hybrid Trolley and DASH bus, an electric car fueled by energy generated from the Covanta Energy-from-Waste facility, and other green vehicles. Exhibitors will provide environmental educational activities for the whole family, which will evoke the spirit of Earth Day.

Additional activities include the Annual Earth Day Tree Sale; live animal exhibits; the fifth annual Ellen Pickering Award presentation and the Arbor Day tree planting. Also featured will be live music by the earth-conscious band Woven Green, whose debut album was nominated for a Wammie in the pop rock category. Admission is free, food and beverages will be available for purchase.

Alexandria Earth Day is based on the need to promote education and lead us all to a green and sustainable future, in keeping with the goals of the Eco-City Alexandria Initiative. In addition, the Alexandria Earth Day Committee has promised to make this a zero-waste, carbon-neutral event. For additional information on the Alexandria Earth Day event and tree sale, visit www.alexearthday.org.

The City's Department of Recreation, Parks and Cultural Activities, the Department of Transportation and Environmental Services, and the Environmental Policy Commission are sponsoring the Earth Day Celebration.

Visitors are encouraged to take public transit, walk or bike to the event. For additional information on alternative modes of transportation, visit www.alexearthday.org. Additional parking is available at Samuel W. Tucker Elementary School, located at 435 Ferdinand Day Drive.

In case of inclement weather, the event will be relocated to Samuel W. Tucker Elementary School. For additional information on Earth Day Activities, visit www.alexearthday.org or call the Special Events Hotline at 703.746.5592 or the Special Events Office at 703.746.5418.

The City of Alexandria is committed to compliance with the Americans with Disabilities Act. To request a reasonable accommodation or to request materials in an alternative format, contact Maureen Sturgill at 703.746.5418 (VA Relay 711) or e-mail maureen.sturgill@alexandriava.gov.

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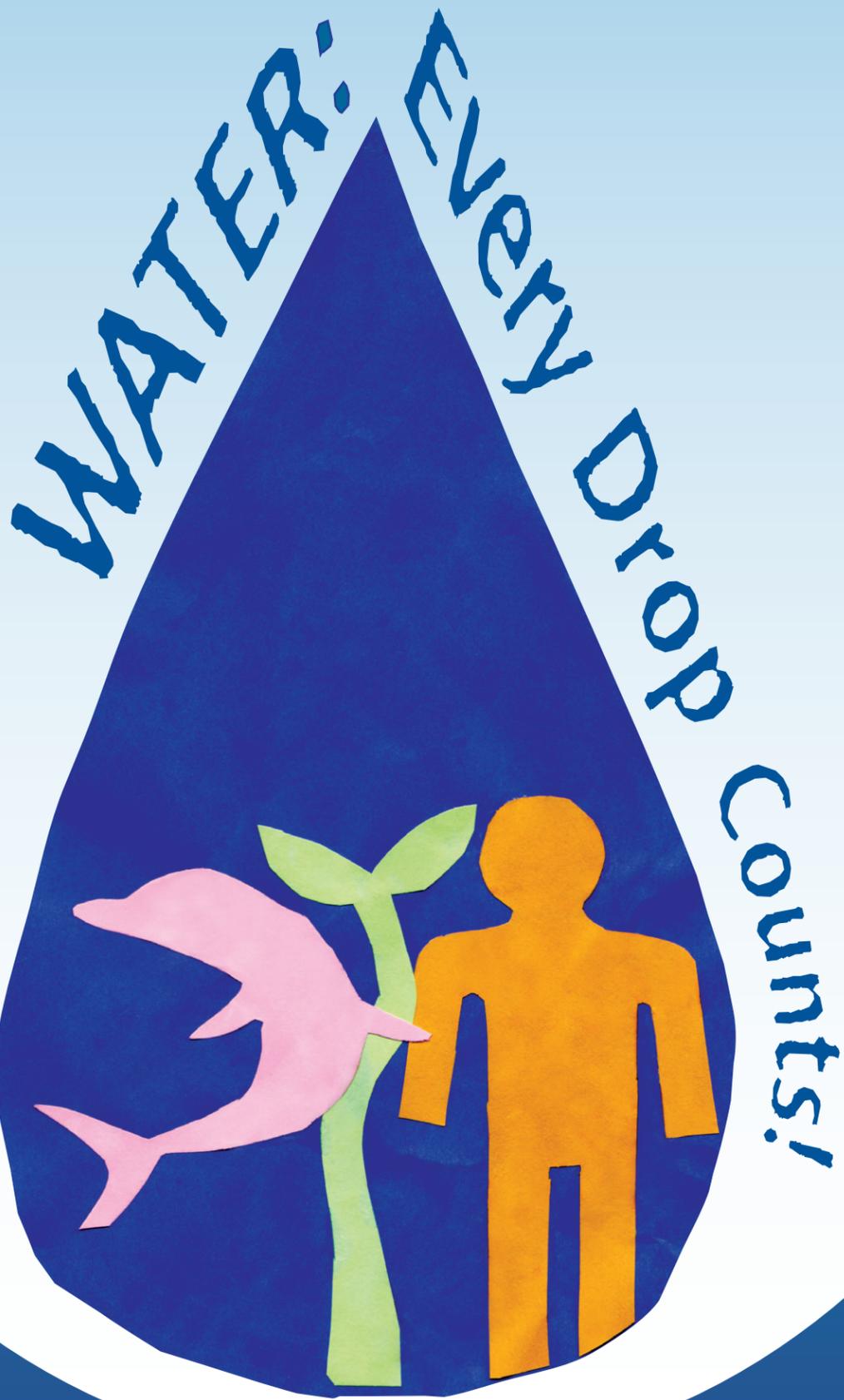
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ALEXANDRIA EARTH DAY

SATURDAY ☀️ APRIL 20, 2013

BEN BRENNAN PARK | 4800 BRENNAN PARK DRIVE*

10 a.m. — 2 p.m.

*Rain Site: Samuel W. Tucker Elementary School, 435 Ferdinand Day Dr.

UPCYCLING SHOWCASE • EXHIBITS • DEMONSTRATIONS • FOOD • FUN

www.alexearthday.org • www.alexandriava.gov • Events Hotline: 703.746.5592



Eco-CITY ALEXANDRIA



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ALEXANDRIA
DIA DE LA TIERRA
SÁBADO ☀ ABRIL 20, 2013

PARQUE DE BEN BRENMAN | 4800 BRENMAN PARK DRIVE*

10 a.m. — 2 p.m.

* En caso de lluvia: Samuel W. Tucker Elementary School, 435 Ferdinand Day Drive

DEMOSTRACIÓN DE SOBRECICLAJE • EXHIBICIONES • DEMOSTRACIONES • COMIDA • DIVERSIÓN

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Eco-CITY ALEXANDRIA



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BUILD YOUR OWN RAIN BARREL WORKSHOP

The City of Alexandria will host a "Build Your Own Rain Barrel" workshop. The workshop will be held on Saturday June 8th from 9:00 am to 11:00 am at **Nannie J. Lee Memorial Recreation Center, located at 1108 Jefferson Street, Alexandria, VA 22314.** All tools and supplies will be provided.

Registration is required. At this workshop you will learn how to build, install and maintain a rain barrel, and take one home! Cost for a build your own barrel is \$55 for each barrel with PayPal/credit card payment or by check. Limit 2 rain barrels per household at each workshop. Please be aware that your spot at the workshop is not confirmed until we receive payment.

Directions: From the Beltway/I-495, take US Route 1 /Jefferson Davis Hwy north bound, turn left (west) on Gibbon Street. Take another left onto S. Fayette Street and travel south and the Nannie J. Lee Memorial Rec. Center will be directly in front of you. Continue straight into the parking lot.

Why Rain Barrels?

Rain barrels can be placed under your downspouts to capture runoff from the roof. By installing a rain barrel at your home you will:

Provide your plants with water they will love!

Unlike treated water, which is "softened" with dissolved minerals, rain water is naturally soft. The water stored in your rain barrel is great for washing your car and watering indoor or outdoor plants.



Save money and water! Instead of water from the tap or faucet, you can use the water you've saved to keep your home landscape happy and growing. You'll also reduce your water bill!

Protect the Chesapeake Bay! Water in your rain barrel is water that won't rush off into our streams. Instead, as you use the stored rain water around the home and garden, it will absorb slowly into the ground, replenishing groundwater supplies. By decreasing the volume of storm runoff, rain barrels also help moderate stream erosion and the resulting pollution that is impairing the Chesapeake Bay.

****Please visit <http://arlingtonenvironment.org/rainbarrel> to register, or to find out about other workshops and pre-made barrels sold in the metro area.***

Questions? Please contact Jeremy Hassan with T&ES/OEQ at 703-746-4127 or jeremy.hassan@alexandriava.gov

FALL 2012 HOLMES RUN PARK CLEAN-UP

SAT. NOV 3rd, 10 AM to 1 PM RAIN DATE IS SAT. Nov 10th



Meet at the Beatley Bridge. Garbage bags will be provided but bring your own work gloves, boots and any other gear that might help. We will pick up only human-generated trash. For more information contact us at **703-461-3283**



City of Alexandria Department of Transportation and Environmental Services,
Office of Environmental Quality and Solid Waste Division

17th Annual International Coastal Cleanup Sponsored by the Ocean Conservancy and Clean Virginia Waterways



SATURDAY, OCT. 20, 2012
10:00 a.m. to 12 p.m.



**Volunteers
Needed!**

Join the City of Alexandria and the
Alexandria Crew Boosters to clean
along the Potomac River Waterfront.

**ORONOCO BAY PARK
100 MADISON STREET**

RSVP TO jesse.maines@alexandriava.gov or 703-746-4071

Part of the Ocean Conservancy's International Coastal Cleanup, coordinated
locally by Clean Virginia Waterways and being conducted by the City's
Transportation and Environmental Services Office of Environmental Quality

ECO-CITY ALEXANDRIA

Jeremy Hassan

From: Alexandria eNews <enews61412@enews.alexandriava.gov>
Sent: Friday, October 19, 2012 3:08 PM
To: eNews Subscribers
Subject: Eco-City Alexandria Get Involved!

[Volunteer for the 27th Annual International Coastal Cleanup](#)

Saturday, October 20, 10 am – 12 noon

Oronoco Bay Park, 100 Madison Street, Alexandria

Are you interested in volunteering in the Ocean Conservancy's 27th Annual International Coastal Cleanup this weekend? This cleanup has been coordinated by Clean Virginia Waterways for the last 17 years, and is also sponsored by City's Department of Transportation and Environmental Services (T&ES) [Office of Environmental Quality](#) (OEQ) and Alexandria Crew Boosters for this annual statewide event to clean our waterways and collect valuable data about trash and litter in our waterways. We will be cleaning Oronoco Bay Park – rain or shine.

Oronoco Bay Park is located at 100 Madison Street in Alexandria's Old Town area. Volunteers will meet and sign in at the end of Madison Street near the Rowing Clubhouse.

What to wear?

Volunteers should wear shoes and clothes that they do not mind getting dirty; trash bags and gloves will be provided.

Volunteers should RSVP to jesse.maines@alexandriava.gov. Registration will also occur at the end of Madison Street on Saturday morning.

Sent on: 10/19 15:07

You are receiving this e-mail message because you are subscribed to one or more of the following groups in the City of Alexandria's free eNews service:
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Jeremy Hassan

From: Alexandria eNews <eNews_1DR4@enews.alexandriava.gov>
Sent: Friday, March 29, 2013 11:13 AM
To: eNews Subscribers
Subject: Volunteer for 25th Annual Potomac River Watershed Cleanup

[Volunteer for the 25th Annual Potomac River Watershed Cleanup](#)

Saturday, April 6, 9 – 11 a.m.

The City's Transportation and Environmental Services (T&ES), [Office of Environmental Quality \(OEQ\)](#) and [Solid Waste Division](#), in conjunction with the Alice Ferguson Foundation, is hosting sites in Alexandria at Four Mile Run Park. Families, scouts, students, retirees, and thousands of other concerned citizens will hit the shorelines, neighborhood parks, community streets, and schoolyards of the region to clean up local streams in the Potomac River Watershed.

The [Alice Ferguson Foundation](#) created the watershed-wide cleanup in 1989 and has overseen the collection of well over 5 million pounds of trash.

The City is hosting two sites on Four Mile Run:

- [End of 3700 Commonwealth Avenue](#)
- [Mt. Vernon Ave \(on the right before crossing Four Mile Run\)](#)

Please RSVP to Jeremy Hassan at jeremy.hassan@alexandriava.gov, or show up to help out. Visit [Potomac River Watershed Cleanup](#) for more sites in Alexandria and the region.

Sent on: 03/29 11:13

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Page updated Feb 7, 2013 11:29 AM

Cleanup at Four Mile Run Park

Title: Cleanup at Four Mile Run Park

Date & Time: Sat Apr 6, 2013 9:00 AM - 11:00 AM

Location: [Four Mile Run Park, 3700 Commonwealth Ave. \(Map This\)](#)
Four Mile Run Park

Event Details: The City annually hosts this cleanup site as part of the Alice Ferguson Foundation's Potomac River Watershed Cleanup.



PRWC Cleanup FMR

Link: <http://trashnetwork.fergusonfoundation.org/event/1933/show>

Contact Person: Jesse Maines

Contact Email: jesse.maines@alexandriava.gov

Fees: Free

Audience: Anyone may attend

Tags: [Cleanup](#), [Eco-City](#), [Environment](#), [Streams](#)

For event details visit <http://www.alexandriava.gov/c/5830>



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Page updated Feb 7, 2013 11:40 AM

Cleanup At Four Mile Run Park (mt. Vernon Ave.)

Title: Cleanup At Four Mile Run Park (mt. Vernon Ave.)

Date & Time: Sat Apr 6, 2013 9:00 AM - 11:00 AM

Location: [Mt. Vernon Ave at Four Mile Run \(Map This\)](#)
West end of Four Mile Run Park where Mt. Vernon Ave crosses the Run.

Event Details: The City annually hosts this cleanup site as part of the Alice Ferguson Foundation's Potomac River Watershed Cleanup.



PRWC Cleanup FMR

Link: <http://trashnetwork.fergusonfoundation.org/event/1934/show>

Contact Person: Jeremy Hassan

Contact Email: jeremy.hassan@alexandriava.gov

Fees: Free

Audience: Anyone may attend

Tags: [Cleanup](#), [Eco-City](#), [Environment](#), [Streams](#)

For event details visit <http://www.alexandriava.gov/c/5831>



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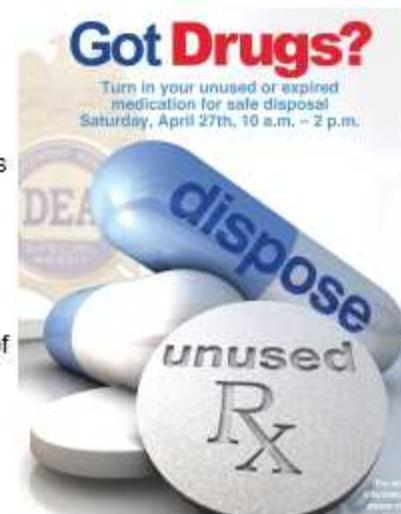
Calendar of Events

Drug Take Back Day at Police HQ



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Title:	Drug Take Back Day at Police HQ
Date & Time:	Sat Apr 27, 2013 10:00 AM - 2:00 PM
Location:	Police Headquarters (Map This) 3600 Wheeler Avenue Community Room, Room 106 on first floor
Event Details:	<p>Have unused and expired prescription medications? Dispose of them safely at a convenient location with the "Take-Back" initiative to prevent pill abuse and theft.</p> <p>The Alexandria Police Department and the Alexandria Sheriff's Office, with cooperation from the Substance Abuse Prevention Coalition of Alexandria, are collecting potentially dangerous expired, unused and unwanted prescription drugs and other medications for destruction. These drugs can be a source of supply for illegal use and an unacceptable risk to public health and safety.</p> <p>This initiative addresses a vital public safety and public health issue. Many Americans are not aware that medicines that languish in home cabinets are highly susceptible to diversion, misuse and abuse. Studies show that a majority of abused prescription drugs are obtained from family and friends, including from the home medicine cabinet. In addition, many Americans do not know how to properly dispose of their unused medicine, often flushing them down the toilet or throwing them away – both potential safety and health hazards.</p> <p>This program also supports the goals of the Eco-City Alexandria initiative to promote a place where people can live healthier and economically productive lives while reducing their impact on the environment.</p> <p>According to the Environmental Protection Agency's Pharmaceuticals and Personal Care Products as Pollutants (PPCPs) website, studies have shown that pharmaceuticals (including prescription and over-the-counter therapeutic drugs) are present in our nation's waterbodies, and further research suggests that certain drugs may cause ecological harm. Proper disposal of prescription and over-the-counter therapeutic drugs can help reduce the impact to aquatic and ecological life.</p> <p>This one-day effort, in partnership with the Drug Enforcement Administration, is intended to bring national focus to the issue of increasing pharmaceutical controlled substance abuse. The service is free and anonymous; no questions asked.</p>
Link:	http://www.alexandriava.gov/police/info/news_policedisplay.aspx?id=72024
Contact Person:	Jody Donaldson



Drug Take Back (Courtesy DEA)

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Page updated Apr 27, 2013 10:24 AM

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Calendar of Events

Drug Take Back Day in Del Ray

[Search](#)

Title: Drug Take Back Day in Del Ray

Date & Time: Sat Apr 27, 2013 10:00 AM - 2:00 PM

Event Details: Have unused and expired prescription medications? Dispose of them safely at a convenient location with the "Take-Back" initiative to prevent pill abuse and theft.

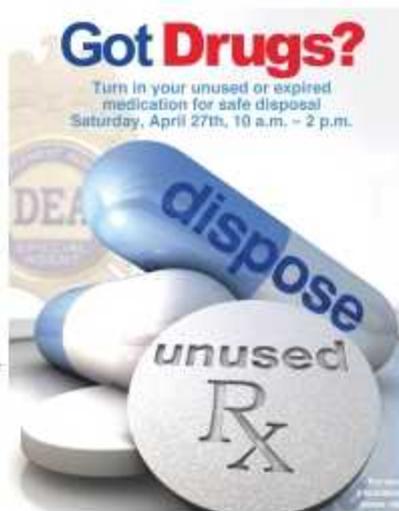
Stop by the Del Ray Pharmacy, 2204 Mount Vernon Avenue, where the Alexandria Police Department and the Alexandria Sheriff's Office, with cooperation from the Substance Abuse Prevention Coalition of Alexandria, are collecting potentially dangerous expired, unused and unwanted prescription drugs and other medications for destruction. These drugs can be a source of supply for illegal use and an unacceptable risk to public health and safety.

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Drug Take Back (Courtesy DEA)

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