

City of Alexandria, Virginia

MEMORANDUM

DATE: MARCH 31, 2010

TO: THE HONORABLE MAYOR AND MEMBERS OF CITY COUNCIL

FROM: JAMES K. HARTMANN, CITY MANAGER *J*

SUBJECT: RECEIPT AND CONSIDERATION OF THE PROGRESS REPORT ON
THE ENVIRONMENTAL ACTION PLAN 2030

ISSUE: Progress report on the Environmental Action Plan 2030.

RECOMMENDATION: That City Council receive this progress report and recognize the Environmental Policy Commission (EPC), Virginia Tech, concerned Alexandria residents and City staff for their participation in the development and implementation of this comprehensive environmental action plan.

DISCUSSION: Following the City Council's adoption of the Eco-City Charter in June 2008, the EPC immediately began working with City staff, with assistance from Virginia Tech's Urban Planning and Affairs Program, to develop the City's new Environmental Action Plan (EAP). The comprehensive Environmental Action Plan 2030 (EAP 2030) was adopted by City Council on June 13, 2009 following a Council Public Hearing. It consists of 48 goals, 50 preliminary targets and 353 actions that would span the course of 21 years and beyond. These actions are further divided into 132 short-term actions covering the FY2009-2011, and 221 medium- and long-term actions covering FY2012-2030. In order to keep track of progress, staff tabulated the 132 short-term actions in a spreadsheet, i.e., the Short-term Environmental Action Plan Matrix (Attachment 1). To date, 43 short-term actions (i.e., 33% of total) have been completed. Additionally, 26 short-term actions are currently ongoing using existing resources. Thus, a total of 69 actions or 52% have been completed or being actively worked on. Highlights of the progress made are summarized in the following paragraphs.

In terms of planning and policy activities, Alexandria continues to be a leader regarding Green Buildings by adopting a policy that seeks new commercial and multi-family developments to be LEED Silver or LEED certified. City Council also adopted the Urban Forestry Master Plan aimed at protecting and enhancing the City's tree canopy including setting a goal of 40% tree canopy for the City. Several City Green Building projects were completed in 2009 including the Charles Houston Recreation Center, the DASH bus

maintenance and storage facility, the Potomac Yard Fire Station and the associated Green Globe Housing above the fire station. The Potomac Yard Fire Station and the associated housing project was designed to meet the LEED Silver designation or equivalent criteria. T.C. Williams High School achieved LEED Gold certification in 2009. The Charles Houston and DASH facilities both achieved LEED Gold Certification in 2010. The City continues to be recognized as a Tree City USA and conducted two successful tree sales in 2009.

With regard to climate change and energy conservation, the City adopted MWCOG greenhouse gas emission reduction targets and completed the greenhouse gas and criteria pollutants inventory for both City government operations and the city. Staff developed an energy strategy based on the EAP 2030 and used it to apply for and obtain an Energy Efficiency and Conservation Block Grant (EECBG). The funds obtained from this grant are being used for five energy-conservation projects. The City also authorized the purchase of four new hybrid King Street trolleys which is partly funded by a federal grant.

In order to promote environmental health, City Council recently adopted the Healthy Food Resolution aimed at promoting better access to local fresh food. The Health Department continued its "Proud to be Smoke-free" program and achieved 100% smoke-free fast food restaurants and 92% smoke-free full service restaurants following implementation of former Governor Tim Kaine's smoke-free initiative in late 2009.

In recycling, the City expanded the number and type of materials collected in the recycling curbside program and drop-off hours for hazardous waste, and completed the recycling program in City Hall. The City now purchases paper products having at least 30% recycled fiber content.

Consistent with EAP 2030 goal to promote outreach, staff organized several successful environmental education and outreach events in 2009 involving more than 2,000 participants. The events included Alexandria Earth Day, stream clean ups, rain barrel workshops, Eco-City Café and open house, a home energy audit workshop, a Green Building forum and a Garden School "Green Garage: Sustainable and Earth-Friendly Solutions for the Landscape." The EPC, in collaboration with the Alexandria Sanitation Authority, established the Ellen Pickering Environmental Excellence Award to recognize outstanding sustainability efforts by citizens and/or organizations. Elizabeth Chimento and Poul Hertel were the first winners of this award.

Considering the present budgetary constraints, staff believes significant progress has been made on the Environmental Action Plan 2030. Some of the ongoing activities include the development of a Climate Change Action Plan (nearing completion), the Green Building Phase II, and the development of the Eco-City indicators to be used for measuring progress of the EAP 2030.

The City's Eco-City project has just been named one of the 15 finalists in the U.S. Conference of Mayor's Livability Awards.

ATTACHMENT: Short-term Environmental Action Plan Matrix

STAFF:

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ECO-CITY ALEXANDRIA -

SHORT-TERM ENVIRONMENTAL ACTION PLAN MATRIX (FY2009 - 2011)

Updated on: 3-23-10

PRINCIPLE: GLOBAL CLIMATE CHANGE AND OTHER EMERGING THREATS						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	Completion (Yes or No or Ongoing)
Goal 1: Adopt targets for reducing greenhouse gas emission reductions for 2012 and 2020.						
Action 1: Adopt the proposed greenhouse gas emission reduction targets outlined in the Metropolitan Washington Council of Governments' July 2008 draft Climate Change Report.*	T&ES-OEQ/ Lalit Sharma	General Services, EPC, ECG	N/A	N/A	Council has given staff guidance to follow the MWCOG's GHG emissions reduction targets proposed in its July 2008 draft Climate Change Report. Target adopted in EAP 2030	Yes
Action 2: Continue to inventory greenhouse gas emissions within the city using the International Council for Local Environmental Initiatives (ICLEI) computer program and finalize the emission reduction targets.*	T&ES-OEQ/ Lalit Sharma	General Services, EPC, ECG	N/A	Funded - \$30k	Completed the end of April 2009.	Yes
Action 3: Assign the Environmental Coordinating Group (ECG) to propose methods to achieve the emission reduction targets and to begin drafting a Climate Action Plan that will include exploring methods for making the targets binding.	T&ES-OEQ/ Lalit Sharma	ECG, EPC, General Services, P&Z, RPCA	N/A	Funded - \$10 k	Kick-off meeting to define scope for the development of the Climate Action Plan was held March 5, 2009 with attendance from EPC, General Services and T&ES-OEQ. MACTEC is retained as the consultant for this development. OEQ is reviewing the second draft of the plan with the goal of finalizing it in the spring of 2010.	Ongoing
Goal 2: Institutionalize the consideration of the effects of possible climate changes into long-term planning.						
Action 1: The City shall carry out a risk analysis of the effects of global warming on Alexandria.	T&ES-OEQ/ Lalit Sharma	Risk Management, EPC	N/A	Unfunded - \$50k	Under various initiatives, City is addressing the risks associated with global warming such as the storm water utility study, flooding study for Old Town and as part of the Water Front Committee.	No
Action 2: Empower the ECG to develop adaptation planning strategies within the city.	T&ES-OEQ/ Lalit Sharma	City Manager's Office, EPC	N/A	Part of action 1 above	The draft Climate Action Plan addresses adaptation as well and will be finalized in the spring of 2010. T&ES-OEQ staff is also a member of ICLEI's Adaptation Committee.	Ongoing
Goal 3: Prepare and educate city residents and business owners for a carbon-constrained economy.						
Action 1: The City will disseminate educational materials on the causes of climate change, how people can reduce their climate impact, and how greenhouse gas reduction policies may affect the availability and prices of energy and other goods.	T&ES-OEQ/ Lalit Sharma	General Services, EPC, ECG	N/A	Funded through existing resources	On-going, the City has recently prepared two brochures on Alexandria's Climate Change Initiatives and Energy Conservation Initiatives. In December 2009, T&ES OEQ hosted an Home Energy Audit Workshop. Future workshops are planned as part of Green Building Phase II.	Yes
Action 2: The City Council will emphasize the benefit of increasing development density as a method for reducing greenhouse gas emissions in its discussions with citizens and business.	Planning and Zoning/ Faroll Hamer	T&ES, EPC, ECG	N/A	Funded through P&Z budget	ongoing; Indirectly emphasized through the small area planning processes.	Ongoing
Goal 4: Develop a strategic planning process for improving and maintaining environmental quality.						

*Denotes work already in progress

Attachment

Action 1: City management, staff, Environmental Policy Commission (EPC) members, and others will begin to regularly participate in long-term (i.e. 5, 20, and 50 years) planning activities such as scenario exercises and retreats.	T&ES-OEQ/ Bill Skrabak	P&Z, RPCA, GS, EPC, ECG	N/A	Funded through existing resources	On-going, EPC is well integrated into City's various commissions, committees and working groups such as the Transportation Commission, Green Building Working Group, Mirant Community Monitoring Group, Waterfront Development Committee, etc. Ongoing as part of City Council Strategic Plan goal #2.	No
Action 2: Continue institutional and funding support for the Eco-City process, including maintaining a collaborative relationship between the City, EPC, Virginia Tech, and the public to secure the advancement of the principles agreed to and adopted in the Eco-City Charter.*	T&ES-OEQ/ Bill Skrabak, EPC	CMO, ECG	N/A	Funded partially through existing resources; up to \$30 k/y required for outside resources unfunded	On-going. City funded the development of the Phase II Environmental Action Plan. However, with current budget constraints, no new Eco-City funding was proposed for FY2010. T&ES-OEQ's operating funding was reduced by \$60 k for FY2010. City is presently investigating Stimulus funding.	Yes

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PRINCIPLE: ENERGY						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Explore incentives that encourage the adoption of renewable energy resources, such as wind and solar, that could yield significant reductions in the city's carbon footprint and other emissions.						
Action 1: In late 2009 EPC, City Staff, and other interested parties will convene workshops to identify issues and charge questions for a feasibility study on the potential for renewable power generation within the city. Speakers will include experts in engineering, law, and economics with experience in the potential and feasibility of renewable-powered local electricity generation networks.	T&ES-OEQ/ Bill Skrabak, GS/Bill Eger, EPC	ECCA, ECG	N/A	Funded partially through existing resources; up to \$30 k/y required for outside resources unfunded		No
Action 2: Determine the amount of energy that can be produced locally and sustainably by 2020 and 2030.	T&ES-OEQ/ Bill Skrabak, GS / Bill Eger, EPC	ECCA, EPC, ECG	N/A	Funded through existing resources - \$10 K	Shifted to Phase II.	Yes
Goal 2: Encourage the adoption of more energy efficient technologies and practices by the City, its residents, and businesses.						
Action 1: Lengthen the allowable payback period for the City's energy efficiency investments from 7 years to 15 years to be more consistent with the City's cost of capital, and increase funds for those investments for FY 2010 by \$50,000.	General Services/ Jeremy McPike	ECCA, EPC, ECG	Unfunded - \$50 k/year	N/A	The \$50,000 increase was not funded in the FY10 CIP.	No
Action 2: The sedans or hybrids purchased by the City in 2009 will have an average city fuel economy 20% greater than Corporate Average Fuel Economy (CAFE) requirements.	General Services/ Jeremy McPike; General Services / Bill Eger	EPC, ECG, T&ES-OEQ, Fleet Management & Improvement Team	See status for funding - incremental cost estimated at \$5 K/vehicle	\$76 K	\$76 k of the EECBG funds will be used to cover expenses during FY 2010-2011	No
Action 3: The City will partner with local vendors, experts, and others to promote the use of products and services that reduce energy use, such as drying racks, cold-water laundry detergent, and power strips. The City will seek to implement this objective by sponsoring awareness campaigns and reducing cost of adoption.	T&ES-OEQ/ Bill Skrabak, GS / Bill Eger	ECCA, EPC, ECG	N/A	Funded through existing resources	Kilowatt meter lending program with the library is being finalized.	No
Goal 3: Reduce energy consumption through conservation.						
Action 1: The City will direct its employees to regularly shut down their computers and other office equipment at the end of each workday.*	General Services/ Jeremy McPike	ECCA, EPC, ECG, T&ES-OEQ, ITS	N/A	Funded through existing resources	Energy and Information Security Policy in development.	No
Action 2: The City will develop a checklist for home owners and businesses to perform their own energy audits, aimed at quick and easy modifications that could yield significant reductions in energy usage.	IT/ Judy Milligan (?); General Services / Bill Eger	ECCA, EPC, ECG, T&ES-OEQ	N/A	Funded through existing resources	Eco-City Self Audit developed and available.	Yes
Goal 4: Support interdepartmental planning and prioritization of energy management and investment activities.						
Action 1: EPC will endorse the creation of the City's recently empanelled Energy Conservation Committee (ECC) as a model for promoting and instilling the principles of the Eco-City Charter, including the objective of interdepartmental cooperation and planning, in the pursuit of sustainability.*	General Services/Bill Eger	EPC, ECG	N/A	N/A	Energy Audit walkthrough have been conducted at the Animal Shelter, Fire Station 206, and the Apothecary Museum. Coordinating development of policy framework for City operations.	No

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Action 2: Through the City Manager's Office, make City Department participation and representation in the ECC mandatory in order to assure attainment of the energy goals of the Action Plan and the reduction of government expenditures on energy services.	General Services/Bill Eger	ECCA	N/A	Funded through existing resources - Staff time across all departments each month	Outreach has been conducted and will be on-going. (See Action 1 above)	No
Action 3: In FY2009 and FY2010, ECC will propose goals and activities for itself for the next 5 years and present these to the City Council. The goals should include plans for promoting energy conservation awareness and education of residents and business owners.	General Services/Bill Eger	ECCA	N/A	Funded through existing resources	Outreach has been conducted and will be on-going. (See action 1 above)	No
Action 4: In 2009, the City will conduct its plan for energy walkthroughs of a number of major City facilities to be distributed across a variety of City-owned building types (recreational, managerial, public safety).*	General Services/Bill Eger	ECCA	N/A	Funded through existing resources - See status for funding.	Some formal audits for intensive energy usage buildings will be carried out using the EECBG funds.	No
Action 5: ECC will conduct outreach to City staff to increase awareness of energy conservation strategies by educating building operators and occupants. All media forms will be used to ensure that all City staff are reached.*	General Services/Bill Eger	ECCA	N/A	Funded through existing resources	Outreach has been conducted and will be on-going. (See action 1 above)	No
Action 6: The City will use its website and other multimedia tools to advertise and describe the purpose of the ECC and its activities.*	General Services/Bill Eger	ECCA	N/A	Funded through existing resources		No
Goal 5: Evaluate the energy needs and impacts within the city in order to set energy use objectives by initiating an energy planning process by 2010.					Currently achieving this goal through current funding.	
Action 1: The City government will initiate a process for establishing a City Energy Master Plan by 2009. City staff will conduct a scoping exercise that outlines and identifies boundaries of the plan focusing on household, business, and government energy use in the city, and is mindful of the targets adopted in the Commonwealth of Virginia 2007 Energy Plan and the 2008 Metropolitan Washington Council of Governments - National Capital Area (MWCOG-NCA) Climate Change Report.	T&ES/OEQ, GS/Bill Eger	ECCA	Unfunded - See status	N/A	Current funded efforts to develop Climate Change Action Plan and Energy Efficiency and Conservation Strategy might make this action unnecessary.	No
Goal 6: Purchase less polluting energy sources for City operations.						
Action 1: In FY 2009 and 2010, the City will purchase 5% of its electricity needs through green certificates, which promote the use of renewable power.*	General Services/Bill Eger	CMO	N/A	Funded for FY2009	Currently meeting 5% purchase. Future purchase costs are difficult to estimate due to fluctuation in rates.	No
Action 2: Purchase renewable energy credits generated for compliance with state-level renewable portfolio standard requirements equivalent to 6.5% of the City's operational needs in 2010 rising steadily to 20% in 2020.	General Services/Bill Eger	CMO	N/A	TBD		No
Action 3: Use sustainable biodiesel for all of the City diesel fleet operations.*	General Services/Bill Eger	CMO	N/A	TBD	B20 was utilized during the fall of 2008 as the cost of fuel was equivalent to standard diesel. Current rates are higher and not included in the budget.	No

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PRINCIPLE: LAND USE AND OPEN SPACE						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Continue to coordinate land use and site design decisions among City departments (Planning & Zoning, Transportation & Environmental Services, and Recreation, Parks, & Cultural Activities) to ensure compatibility with existing City plans that promote walking, cycling, and taking public transportation.*						
Action 1: Ensure that land use decisions incorporate smart growth principles that provide incentives and disincentives to reduce vehicle use and vehicle ownership.	Planning and Zoning/ Farall Hamer	EPC, T&ES-Transportation	N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes.	Yes
Action 2: Incorporate, where feasible and appropriate, improvements to bike and pedestrian facilities into ongoing Small Area Plans to ensure compatibility with the Bike and Pedestrian Plan.*	Planning and Zoning/ Farall Hamer	T&ES-Transportation	N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes. Recently approved the Landmark Van Dorn Plan which included many pedestrian and bike improvements.	Yes
Action 3: Continue to develop and approve Small Area Plans that increase density in and around Metro stations and other transportation hubs.*	Planning and Zoning/ Farall Hamer	EPC	N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes. Recently approved the Landmark Van Dorn Plan which added density around Van Dorn Metro Station and created a transportation hub on Duke Street & Van Dorn Street.	Yes
Action 4: Promote more pedestrian, bike, and transit usage during land use planning of Alexandria's major thoroughfares, including Van Dorn Street and Beauregard Street.*	T&ES-Transportation	Planning & Zoning	N/A	Funded through T&ES and P&Z budgets		No
Action 5: Continue to incorporate retail streets and/or small-scale retail uses into neighborhood plans, where appropriate and feasible, to increase walking destinations and opportunities for small businesses.*	Planning and Zoning/ Farall Hamer	EPC	N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes. Recently approved the Landmark Van Dorn Plan which encouraged ground level retail along streets.	Yes
Goal 2: Ensure that Small Area Plans, as well as new development and redevelopment projects, are consistent with the vision and principles of the Eco-City Charter.						
Action 1: Devise a sustainability checklist based on criteria and principles from the Eco-City Charter that Planning & Zoning can use in determining the compatibility of Small Area Plans and new development and redevelopment projects.	Planning and Zoning/ Farall Hamer	EPC, T&ES-OEQ	N/A	Funded through P&Z budget	no action yet; could be staff generated (approximately two days staff time).	No
Action 2: Prepare GIS maps to identify safest routes for children to walk to their schools, supporting the Walking School Bus Concept.	Planning and Zoning/ Farall Hamer	T&ES-Transportation	N/A	Grant obtained for 9 schools; unfunded for 4 remaining schools and future years.	Underway; A grant funded intern is working on the project and staff anticipates a June completion. no funding exists to repeat projects in subsequent years.	No
Action 3: Incorporate open and green space and sustainability standards, where appropriate (e.g., LEED, Sustainable Sites criteria, Low Impact Development principles) into Small Area Plans and the City's Green Building Policies.	Planning and Zoning/ Farall Hamer	RPCA, T&ES-OEQ, GS	N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes.	Yes
Goal 3: Protect and enhance Alexandria's open space and green infrastructure including wildlife habitat, parks, trails, tree canopy, and watersheds.						

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Action 1: Finalize and release the Urban Forestry Master Plan. Develop a multi-year action and funding plan to implement Plan recommendations.*	RPCA/ John Noelle	CMO, P&Z	N/A	\$3.2 million for prop. & expanded programs	Urban Forestry Plan adopted June 2009. Council Worksession held in January 2010 to present funding and implementation priorities.	Yes
Action 2: Explore a policy that expands and supplements current tree canopy coverage standards through a combination of incentives, regulations, and in-lieu fees.	Planning and Zoning/ Farall Homer	RPCA	N/A	Unfunded - ~ \$40,000	no action yet; would need to hire a consultant to study canopy coverage standards and possible incentives or fees.	No
Action 3: The City will lead by example by utilizing low impact landscape practices where possible, such as perennial and native plant species, rain gardens, reduced fertilizer and pesticide usage, and encouraging the removal of invasive species.*	RPCA/ John Noelle	Planning and Zoning	N/A		Ongoing. The City hosted a "Green Garage" workshop on June 27, 2009 on sustainable solutions for the landscape. Perennial and native plants are proposed in S. Early St. and E. Del Roy pocket parks. Invasive removals conducted in various areas by volunteers.	Yes
Action 4: Continue work on completing a GIS inventory of trees located in public rights of way and other public lands, and identify locations for new trees.*	RPCA/ John Noelle	P&Z, EPC, Urban Forestry Workgroup	N/A	Funded through existing RPCA/ P&Z budgets	Ongoing. 7,500 street trees are currently in the GIS inventory.	Yes
Action 5: Promote and expand Living Landscape Program to include "Adopt-a-Tree," "Celebration Tree," and/or other similar program activities, where individuals or organizations can purchase trees through the City and have them planted and maintained throughout the city.	RPCA/ John Noelle	Planning and Zoning, EPC	N/A	Funded through existing RPCA budget	Ongoing. 156 trees sold in 2009 through City sponsored Urban Forestry Steering Committee tree sales. 346 City trees planted.	Yes
Action 6: Continue to design and develop shaded parking lots through existing Special Use Permit/Development Special Use Permit process; expand to include the retrofitting of existing parking lots.*	Planning and Zoning/ Farall Homer	RPCA	N/A	Funded through P&Z budget	ongoing; P&Z encourages underground parking where possible and requires compliance with the Landscape Guidelines, which calls for 1 landscape island per 10 spaces, for any new or retrofitted surface lots. SUP's are reviewed to determine feasibility of retrofitting existing parking lots.	Yes
Action 7: Identify potential locations to establish new school and community gardens.	RPCA/ John Noelle	Planning and Zoning		Min. \$10,000 per location to est. garden plots. Min. \$4,000 for annual maintenance	Ongoing. Additional garden plots at Chinquapin Park gardens are being considered for 2010.	Ongoing
Action 8: Set minimum standards for open space and green space in Small Area Plans and other City plans that can be met in part through green roofs, green decks over underground parking, or green surface lots.*	Planning and Zoning/ Farall Homer	RPCA	N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes.	Yes
Action 9: Continue progress on protecting the 36 remaining acres, through acquisitions, easements, and dedications, to achieve the City's 100 acre open space goal.*	RPCA/ Laura Durham	CMO, P&Z	\$15 million, min.	N/A	Ongoing. Two development projects approved with public access/open space easements. One private volunteer conservation easement completed through NVCT. One open space site acquired (VEPCO site- Commonwealth./Reed Ave.)	Ongoing
Action 10: Continue the Open Space Pocket Park program with the design and implementation of pocket parks on East Del Roy Avenue and South Early Street.*	RPCA/ Laura Durham		\$410,000	N/A	Del Roy site engineering plan in progress. Plan approval anticipated June, 2010. Improvements at South Early Park solicited December, 2009; construction commencing early Spring, 2010.	Ongoing
Action 11: Continue progress on Four Mile Run Restoration Master Plan by completing the design competition for the Four Mile run pedestrian Bridge, finalizing the design guidelines and redeveloping the recently-acquired Four Mile Run open space properties in accordance with relevant area plans.*	RPCA/ Laura Durham	T&ES, P&Z, OEQ	\$29.2 million (Arl&Alex) for Core Project Stream Restoration (cost share/grant funding) \$250,000 min. for development of (4) parcels	N/A	Four Mile Run Design Guidelines completed and approved by Alexandria/Arlington September, 2009. Pedestrian Bridge Competition Request for Qualifications issued December, 2009. Four Mile Run properties community planning process to begin February, 2010. Adaptive re-use of parcels being studied by local volunteer architects.	Ongoing
Goal 4: Ensure that future land use and open space planning and project decisions will neither create or perpetuate social injustice, nor compromise the city's historic character.						

Action 1: Continue to ensure representation and participation by affected groups in the Master Plan and Small Area Planning processes. Continue outreach efforts to engage low income and minority residents in land development project decisions within their neighborhood.*	Planning and Zoning/ Farroll Hamer	RPCA	N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes.	Yes
Action 2: Continue to identify opportunities for affordable housing and mixed income housing in Small Area Plans throughout the city.*	Planning and Zoning/ Farroll Hamer	Office of Housing	N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes.	Yes
Action 3: Ensure that mixed income development incorporates spaces for on- or near-site community support services (e.g., child care), where feasible and appropriate.*	Planning and Zoning/ Farroll Hamer		N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes and development review for individual developments.	Yes
Action 4: Continue to consider the importance of location of open space and public transportation to potential mixed income sites when preparing Small Area Plans or reviewing development projects.*	Planning and Zoning/ Farroll Hamer		N/A	Funded through P&Z budget	Ongoing throughout each of the small area planning processes.	Yes
Action 5: Incorporate sensitivity for the city's historical character, properties, landmarks, and archeological endeavors in planning decisions.*	Office of Historic Alexandria/ Lance Mallama		N/A	N/A	Ongoing	Yes
Goal 5: Conduct outreach and education on sustainable land use practices, policies and programs.						
Action 1: Provide ongoing training, seminars, and workshops for City staff and residents about sustainable land use practices, policies, and programs, and identify and publicize existing learning opportunities available through local colleges, universities, and other sources.	Planning and Zoning/ Farroll Hamer	RPCA, OEQ	N/A	~\$100,000 (includes other action items)	no action yet; need funding to develop schedule, reserve meeting spaces and speakers, provide handouts, etc.	No

PRINCIPLE: WATER RESOURCES						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Promote citizen involvement in and awareness of water quality and resource issues, particularly with regard to regulatory requirements of the Municipal Separate Storm Sewer System (MS4) permit.						
Action 1: Continue compliance with Commonwealth and Federal statutes, and continue to improve the City's Municipal Separate Storm Sewer System (MS4).	T&ES-OEQ/ Lalit Sharma	EPC, Stormwater Workgroup	Funded through T&ES budget	Funded through T&ES budget	On-going. City is currently in compliance with the MS4 permit.	Yes
Action 2: Establish a citizen stream monitoring and clean-up program, and encourage active participation by Alexandria City Public Schools (ACPS).	T&ES-OEQ/ Lalit Sharma	EPC, ACPS	N/A	Funded through T&ES budget	City organizes and supports several stream cleanup events every year, most notably the Spring Alexandria Cleanup Event sponsored by the City Manager. EPC and City staff will participate in ACPS newly-formed Environmental Committee. Upcoming school demonstration (Enviroscope). Also, currently talking with Earth Force for other opportunities. Website provides additional information.	Ongoing
Action 3: Promote best management practices (BMPs) for stormwater through workshops (e.g., rain barrels, rain gardens, proper application of fertilizers and pesticides) and demonstrations (e.g., "water wise" garden tours, increased access to green roofs).*	T&ES-OEQ/ Lalit Sharma		N/A	Funded through T&ES budget	Continue to hold Rain Barrel workshops (three times this year) as part of regional partnership. Met with HOAs and provided education through/during onsite inspections. Clean Water Partners targets fertilizers/pesticides, pet waste and other wastes.	Yes
Goal 2: Maintain and enhance stormwater and sanitary infrastructure and stream systems to minimize environmental degradation.						
Action 1: Continue identifying sewer separation opportunities through the Area Wide Reduction Plan.*	T&ES-OEQ/ Lalit Sharma, T&ES-Eng/Maurice Daly	EPC	Refer to status	Funded through T&ES budget	Ongoing as part of the development and re-development process	Ongoing
Action 2: Support and provide information to the Stormwater Working Group in seeking mechanisms to finance infrastructure improvements.*	T&ES-OEQ/ Lalit Sharma, T&ES-Eng/Maurice Daly	EPC, Stormwater Workgroup	N/A	Funded through T&ES budget	Study is ongoing, T&ES Engineering Division is leading the effort. CH2M Hill provides engineering consulting services.	Yes
Action 3: Continue stream stabilization and restoration efforts (Cameron Run/Holmes Run Watershed Feasibility Study, Four Mile Run Master Plan and Demonstration Project, Chambliss/Holmes Run and Strawberry Run Stream Restoration) and complete programs to improve water quality and quantity reduction capabilities (e.g., Cora Kelly Green Roof and Bioretention Area retrofit).*	T&ES-OEQ/ Lalit Sharma, T&ES-Eng/Maurice Daly	Planning and Zoning, RPCA	Partially funded through T&ES budget	Funded through T&ES budget	Cameron Run & Four Mile Run planning are ongoing. Four Mile Run Demonstration Design under contract. Cora Kelly green roof and bioretention are to be constructed summer 2010. Strawberry Run Restoration and Chambliss/Holmes Run projects are expected to be completed by late 2010 or early 2011. Received EPA grant (STAG 2005) to construct green roof on Burke Library, add BMPs to Firestation 206, Charles Barrett School and Colesanto Art Center.	Ongoing
Goal 3: Promote, require, and invest in water conservation infrastructure.						
Action 1: Focus water conservation outreach and homeowner incentives in areas served by combined sewer systems.	T&ES-OEQ/ Lalit Sharma		N/A	Funded through T&ES budget		No
Action 2: Explore a reclaimed water reuse partnership between the City and Alexandria Sanitation Authority.*	T&ES-OEQ/ Lalit Sharma	ASA	N/A	Funded through T&ES budget	Study underway	No

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PRINCIPLE: AIR QUALITY						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Improve ambient air quality.						
Action 1: Continue efforts to comply with all National Ambient Air Quality Standards (NAAQS) to reduce exposure to ambient air pollution.*	T&ES-OEQ/ Lalit Sharma	MWCOG, VDEQ	N/A	Funded through T&ES budget	Ongoing.	Yes
Action 2: Continue existing compliance efforts with major point sources to reduce air pollution in Alexandria.*	T&ES-OEQ/ Lalit Sharma	VDEQ, USEPA	See status	Funded through T&ES budget	Ongoing. Working with Mirant to install improved control equipment to further reduce fugitive and stack fine particulate emissions.\$34 million Agreement with Mirant to improve air emissions controls at PRGS.Supported permits for Covanta & Virginia Paving	Ongoing
Action 3: Produce an easy-to-read publication (including maps and GIS tools) that details existing emission inventory data on stationary source emissions in the city.*	T&ES-OEQ/ Lalit Sharma		N/A	Funded through T&ES budget	In progress. OEQ staff has met with GIS team and provided the air monitoring data needed to create the GIS layer.	Ongoing
Action 4: Continue and expand education for City staff in the use of City vehicles and equipment by establishing an Air Quality Action Day Plan for City operations.*	T&ES-OEQ/ Lalit Sharma		N/A	Funded through T&ES budget	In progress. Air Quality Action Plan developed.	No
Action 5: Post "NO IDLING" educational signs at or near Metro or other drop-off locations and transportation hubs where idling is prevalent.	T&ES-OEQ/ Lalit Sharma	EPC, Police Dept, Parking Enforcement	Funded through T&ES budget	Funded through T&ES budget	Planning stage.	No
Action 6: Encourage the development of a Green Taxi fleet by setting tight miles per gallon standards for new vehicles.	T&ES/Abi Lerner		N/A	Funded through T&ES budget	In progress.	No
Goal 2: Reduce off-road/mobile emissions by promoting more environmentally efficient lawn care and construction equipment.						
Action 1: Convene a work group of City staff and equipment providers/businesses to discuss the pending U.S. Environmental Protection Agency (EPA) regulation of two- and four-stroke engines, with a long term goal of banning the sale and use of gas-powered garden equipment.	T&ES-OEQ/ Lalit Sharma	EPC, USEPA	N/A	Funded through T&ES budget	Planning stage.	No
Action 2: Educate citizens on the environmental impacts of old lawn/mobile equipment using existing City and community outreach activities and publications (e.g., FYI, web sites, civic association newsletters, etc.).	T&ES-OEQ/ Lalit Sharma	EPC	N/A	Funded through T&ES budget	Planning stage.	No

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PRINCIPLE: TRANSPORTATION						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Move aggressively to change the culture of city streets from "cars first" to "people first" by implementing development and transportation projects consistent with the following level of precedence: pedestrians, bicyclists, public transportation, shared motor vehicles, private motor vehicles.						
Action 1: Implement actions outlined within the following completed plans: Transportation Master Plan, Bicycle and Pedestrian Mobility Plan, and An Environment for a Healthier Alexandria Study, and treat these programs as high priorities. The City will take advantage of all potential funding sources, in particular following through with the improvements listed in the Congestion Mitigation and Air Quality Improvement Program and the Regional Surface Transportation Program.*	T&ES-Transportation/ Yon Lambert	EPC, Planning and Zoning	Funded with existing resources, and future grants	Some new resources including staff may be required	Actions consistent with the plans have included dedicated funding for transit studies and ped-bike improvements. In November 2009, the Northern Virginia Regional Commission voted to allocate CMAQ and RSTP funding to citywide studies for high-capacity transit corridors, purchase of replacement buses for DASH, transportation demand management programs and bike racks for DASH buses.	Ongoing
Action 2: Pass a resolution adopting the principles of Complete Streets (as recommended by the Transportation Master Plan) and Low Impact Development in road projects wherever practicable.	T&ES-Transportation and Engineering/ Yon Lambert	EPC, Planning and Zoning	N/A	May be funded with existing resources and staff	The Transportation Commission reviewed Complete Streets policies at its January 2010 meeting and is expected to revisit the issue at the March 2010 meeting. The Commission has established a subcommittee to investigate whether City Council should consider a resolution for Complete Streets in 2010.	Ongoing
Action 3: Continue to conduct audits of the streetscape to improve safety for vehicles, pedestrians, and cyclists, and remove street clutter that contributes to the causes of accidents.*	T&ES-Transportation/ Yon Lambert	EPC, Planning and Zoning	Funded with existing resources, and future grants	May be funded with existing resources and staff	Ongoing	Ongoing
Action 4: Continue to improve facilities for cyclists by*: a) Adding 2 miles of bikeways annually and piloting innovative projects on an annual basis as outlined in the Transportation Master Plan; b) Conducting a feasibility study for a bike sharing program; and c) Increasing bike storage and bike parking as outlined in the Transportation Master Plan, and continuing to offer temporary bicycle parking at special events.	T&ES-Transportation/ Yon Lambert	EPC, Planning and Zoning	CIP includes \$100,000 annually for on-street bike-ped safety; Feasibility/bike sharing pilot is grant funded at approx \$200,000 and safe/secure bike parking is included in on-street account	May be funded with existing resources and staff	In 2009, the city installed 2.8 lane miles on on-street bikeways including a road diet and climbing lane on West Braddock Road. The City also completed a major 1-mile rehabilitation of the Holmes Run Greenway Trail between North Ripley and Duke Street, which included resurfacing and erosion control and completed the Tarleton Trail project, providing a new connection between North Gordon Street and the Holmes Run Greenway. This project also included new safety railing on Eisenhower Avenue.	Ongoing
Action 5: Continue to improve the experience of current and potential transit users by*: a) Continuing the development and deployment of transit information technologies and the eventual coordination of these systems with other regional service providers to provide a seamless delivery to users. This will commence with the contract to provide real time information about DASH Bus services; b) Undertaking a study of rapid transit needs across the city; and c) Improving access to transit by requiring all new buses added to the DASH Bus fleet to have bicycle racks.	T&ES-Transportation/ Jim Maslanka	EPC, Planning and Zoning	Funded with existing resources, and future grants	Funded with existing resources, and future grants		No
Goal 2: Educate individuals and organizations on the availability of transportation alternatives that will reduce dependency on single occupancy vehicles.						

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<p>Action 1: Continue, expand, or implement the current transportation and bike pedestrian education programs such as*:</p> <ul style="list-style-type: none"> a) Programs that encourage children to walk or cycle to school; b) Cycling proficiency program with a test for all school age youth; and c) Local Motion workshops and other related transportation demand management programs. 	T&ES-Transportation/ Yan Lambert	EPC, Planning and Zoning, ACPS, Alexandria Health Department	CIP includes \$492,000 for Safe Routes to School. This is on-time grant funding in a competitive grant process. Cycling proficiency is not included in CIP. Local Motion workshops are covered through ridesharing grant.	Some existing resources are available, however VDOT "Safe Routes to School" program grants account for the bulk of such funding. In FY2010, ACPS expects \$95,000. This does not cover proficiency exams. LM workshops and other TDM programs are partially funded by existing staff time; expansions may require additional dedicated funding.	In December 2009, the city partnered with Alexandria City Public Schools on a \$95,000 Safe Routes to School grant application to VDOT. The City and ACPS received a similar grant in March 2009. A total of 13 schools are now involved in Safe Routes to School efforts in Alexandria. The City also continued its Junior Ambassador program and partnership with the Washington Area Bicycle Association which included 12 students from middle and high schools. The students attended over two dozen major events such as the Waterfront Festival and numerous Farmer's Markets to personally delivered bicycle maps and safety information to over 1,500 Alexandria residents. The City also offered free "Confident City Cycling" classes for residents through the Washington Area Bicyclist Association in spring and fall, continued its annual 'Lights for Bikes' campaign with BikeWalk Alexandria and local bicycle shops to provide over 200 bicycle light sets to residents in high-accident areas.	No
Action 2: Meet with local associations—residential and commercial—to discuss and promote the merits of reduced dependency on private vehicles.*	T&ES-Transportation/ Jim Maslanka	EPC, Planning and Zoning	N/A	Funded through T&ES budget		No
Action 3: Use existing informational tools, such as Local Motion, Alexandria eNews, FYIAlexandria, local media, the EPC and other organizations to promote the benefits of transportation alternatives.*	T&ES-Transportation/ Jim Maslanka	EPC, Planning and Zoning	N/A	Funded through T&ES budget		No

PRINCIPLE: BUILDING GREEN						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Building on the City's green building policy, promote the idea that all development, either new or renovation, should be constructed with the lowest environmental impact as is reasonably practical. It should be remembered that retaining a building is often the best environmental solution to a particular problem.*						
Action 1: Establish and promote green building standards for new commercial and residential development. Use nationally recognized criteria, such as those of the Leadership in Energy and Environmental Design (LEED) in establishing such standards.*	Planning and Zoning/ Faroll Hamer	ECG, EPC, Green Building Workgroup	N/A	Funded through P&Z budget	ongoing; the City adopted a Green Building Policy in April 2009 which sets a standard for new development to achieve. To date, 6 developments have been subject to the policy. Phase two is underway and will focus on incentives and outreach, particularly to existing buildings.	Yes
Action 2: Pursue conformance with green building standards as part of the Development Special Use Permit process.	Planning and Zoning/ Faroll Hamer	ECG, EPC, Green Building Workgroup	N/A	Funded through P&Z budget	Complete; the City adopted a Green Building Policy in April 2009 which sets a standard for new development to achieve. To date, 6 developments have been subject to the policy.	Yes
Action 3: Provide green building and site design education and training to development staff in appropriate City agencies.	Planning and Zoning/ Faroll Hamer;General Services/ Jeremy McPike	ECG, EPC, Green Building Workgroup	N/A	~\$100,000 (includes other action items)	Ongoing, several city staffs are now LEED accredited, additional training will be provided as part of the Green Building Phase II.	Ongoing
Action 4: Arrange for Plan Review Staff to receive LEED certification.	Planning and Zoning/ Faroll Hamer	ECG, EPC, Green Building Workgroup	N/A	~\$5,000	no action yet; LEED exam fee is \$300	No
Goal 2: Expedite the Commonwealth's adoption of further green building standards.						
Action 1: Request the Commonwealth of Virginia to adopt the latest International Code Council (ICC) building code amendments (which include elements to increase energy conservation measures) by 2011.	Code Administration/ John Catlett	ECG, EPC, Green Building Workgroup	N/A	Funded through existing resources		No
Action 2: Identify and encourage enhanced green measures that may be added to the next Virginia State Amendments to the ICC Building Code.	Code Administration/ John Catlett	ECG, EPC, Green Building Workgroup	N/A	See status	Part of the EECBG will be used to fund Phase II of the Green Building program	No
Goal 3: Provide information and technical assistance regarding green building practices to businesses and residents.						
Action 1: Identify a local non-profit that can provide green building information and technical assistance to citizens.	Planning and Zoning/ Faroll Hamer;Code Administration/ John Catlett	ECG, EPC, Green Building Workgroup	N/A	~\$100,000 (includes other action items)	Ongoing, working with VSBNI; need funding to develop schedule, reserve meeting spaces and speakers, provide handouts, etc., also part of Green Building Phase II	No
Goal 4: The City Council will lead by example in green building practices.						
Action 1: All new construction and renovation of City buildings, where feasible, will meet a LEED Silver rating, as a minimum.	General Services/ Bill Eger	ECG, EPC, Green Building Workgroup,Planning and Zoning	N/A	N/A	All current projects are meeting this requirement.	Yes
Action 2: Identify a potential demonstration project for the City to achieve LEED Platinum status.	General Services/ Bill Eger	ECG, EPC, Green Building Workgroup,Planning and Zoning	TBD	TBD	Will need to be evaluated during CIP development in the fall of 2009 for FY2011.	No
Action 3: Conduct feasibility study to install, in phases, a green roof on City Hall.*	General Services/ Bill Eger, OEQ/Bill Skrabak	ECG, EPC, Green Building Workgroup,Planning and Zoning	N/A	Funded with current resources	Feasibility study is complete. Using EECBG to fund.	Yes

Action 4: Encourage city-wide support for the conservation and improvement of the city's existing built resources while maintaining the unique character of the city's districts.*	Planning and Zoning/ Farall Hamer	ECG, EPC, Green Building Workgroup	N/A	Funded through P&Z budget	ongoing; occurs during review process for historic structures as well as larger development cases.	Ongoing
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PRINCIPLE: SOLID WASTE						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Meet the City's goal of 35% diversion through increased waste reduction and reuse with new programs and incentives implemented by 2011.						
Action 1: The City will discourage the use of bottled water in City facilities and at City functions.	T&ES- Solid Waste/ Alton Weaver	ECC, EPC, Special Events Committee, General Services	N/A	Funded with existing resources	Implementing; need to consider what kind of container we will use to serve water at events and functions because plastic cups are not recyclable.	Ongoing
Action 2: Encourage the Chamber of Commerce to work with local businesses to discourage the use of plastic or "one-use" bags and encourage the use of reusable bags as part of the "Proud to be a Green Business" initiative.	T&ES- Solid Waste/ Alton Weaver	ECC, EPC, Alexandria Chamber of Commerce	N/A	Funded with existing resources	City received state grant of \$10 k, targeted at recycling plastic bags, see website: www.alexandriava.gov/plasticbags	No
Action 3: Promote and educate the building industry about the need to recycle materials recovered from development sites by including information on how and where to recycle materials in all permit applications by 2010.	T&ES- Solid Waste/ Alton Weaver		N/A	Funded with existing resources, Printing costs may be associated through MWCOC	Begun: www.alexandriava.gov/solidwaste ; See Recycling, Reuse & Donations or Refuse Collection Under Building Materials.	No
Goal 2: Expand City recycling programs to exceed the Commonwealth recycling rate mandate of 25% and achieve a target diversion goal of 35% by 2011, as outlined in the City's Solid Waste Management Plan.						
Action 1: Expand the number and type of materials collected in the recycling curbside program (e.g. plastic tubs, aluminum foil/trays, empty aerosol cans, and rigid plastics).*	T&ES- Solid Waste/ Alton Weaver		N/A	Funded with existing resources	Completed 9/2009	Yes
Action 2: Expand the multi-family (including condominiums and rental apartment complexes) recycling program by mandating recycling at commercial and multi-family developments by changing the enforcement ordinance/code to give the City the authority to fine property owners and managers for noncompliance with existing and new recycling requirements, as recommended by the Solid Waste Management Plan.	T&ES- Solid Waste/ Alton Weaver	P&Z	N/A	Funded with existing resources, additional resources may be needed	No current language to go to council. Still looking for voluntary compliance.	No
Action 3: Increase recycling in City-run facilities and educate City employees about this effort. Require compliance of all City-run facilities with new and existing recycling requirements. A pilot program in City Hall will be initiated and retrofit containers will be used as recycling bins in the parking facility. When the recycling contract is renegotiated in 2009, all City-run facilities will be covered.*	T&ES- Solid Waste/ Alton Weaver	General Services	Unfunded - Costs to be developed	Unfunded - Submitted for an additional \$65,000 for collection services. The total cost for a year of service to all City-served facilities will be \$75,000 to \$100,000.	City Hall expanded recycling program completed in City Hall. Still working on the Market Square parking garage. New program in place starting January 2010 which will provide larger exterior containers to sites that have space. The larger containers will allow facilities to better capture cardboard.	Yes
Action 4: Phase in a requirement for recycling at public and privately sponsored community events as a condition of Special Events Permit.	T&ES- Solid Waste/ Alton Weaver	RPCA, General Services	N/A	Unfunded - 1 FTE Overtime (\$23) for Public Event; May require the purchase of additional containers; Private events pay cost of use City employees	Currently, encouraging residents and staff to use the Recycling Container Loan Program. Visit: www.alexandriava.gov/recycling and click on Recycling on the Go.	No

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Goal 3: Develop an outreach strategy to educate the public on new and existing recycling mandates as well as opportunities for re-use through multiple communication and education strategies.						
Action 1: Develop & launch a recycling education poster campaign at Metro stations and DASH buses and bus stops.	T&ES- Solid Waste/ Alton Weaver	ECG, EPC, DASH	N/A	Funded with existing resources, \$500/campaign	Currently working on. ; completed a Plastic Bag recycling campaign	Ongoing
Action 2: Hire a full-time recycling coordinator to manage the commercial and multi-family recycling program, and to assist property owners and managers with implementation.*	T&ES- Solid Waste/ Alton Weaver		N/A	Funded with existing resources	Completed. Recycling coordinator has been hired.	Yes
Action 3: Expand the City's Solid Waste webpage and provide printable materials to educate residents on recycling programs.*	T&ES- Solid Waste/ Alton Weaver		N/A	Funded with existing resources	Completed.	Yes
Action 4: Utilize the Volunteer Bureau and other resources to solicit volunteers to help with waste reduction outreach at Alexandria City Public Schools (ACPS) and businesses.	T&ES- Solid Waste/ Alton Weaver	ACPS, Alexandria Chamber of Commerce	N/A	Funded with existing resources	Still working on.	No
Goal 4: Increase the diversion of organic solid waste from disposal by improving and expanding the City's existing organic waste recycling program.						
Action 1: Promote residential composting and grass-cycling through a partnership with Community Gardens, Master Gardeners, VA Cooperative Extension, expansion of composting workshops, and hosting a video on composting on the City's Solid Waste web page.	T&ES- Solid Waste/ Alton Weaver	ECG, EPC	N/A	Funded with existing resources	Website has been updated.	No
Action 2: Support and promote initiatives, such as "Proud to be Green Businesses," to encourage composting of food waste by commercial entities.	T&ES- Solid Waste/ Alton Weaver	EDAW, EPC, Alexandria Chamber of Commerce	N/A	Funded with existing resources		No
Goal 5: Maintain programs for ensuring that solid wastes are managed in accordance with Commonwealth and Federal laws and regulations in a manner that protects health, safety, and the environment.						
Action 1: Expand the drop-off hours for household hazardous waste to reduce the materials contributing to the toxicity of the waste stream, and produce educational materials (with an emphasis on modern light sources that contain mercury) that stress the importance of using this facility and other methods of hazardous waste disposal.*	T&ES- Solid Waste/ Alton Weaver		N/A	Funded with existing resources, Labor costs doubled from \$3600/month to \$7200/month; also have seen an increase in material collected which has increased costs.	Household hazardous waste and electronics recycling hours have been extended to include Saturdays and early mornings.	Yes
Action 2: Utilize mapping (e.g., Geographic Information Systems (GIS)) technology to optimize trash truck routing, thereby reducing fuel costs without impacting the level of service.	T&ES- Solid Waste/ Alton Weaver	P&Z	N/A	Funded through P&Z (GIS staff) budget	Currently in progress.	Ongoing

PRINCIPLE: ENVIRONMENT AND HEALTH						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Promote respiratory health and improve indoor air quality in both new and existing residences by improving ventilation and reducing exposure to air contaminants including secondhand smoke, radon, lead, mold, and other contaminants.						
Action 1: Educate citizens about potential threats of asbestos, mold, radon, second-hand smoke, lead and other indoor air contaminants. Include publications, and programs designed for non-English speakers. By December 2009, produce a handout aimed at individuals renovating their properties advising them of these hazards.*	OEQ/ Bill Skrabak, Alexandria Health Department/ Bob Custard	ECG, EPC, Environmental Health Workgroup	N/A	Funded with existing resources	Not done yet.	No
Action 2: By September, 2010, gather better data on the incidence of respiratory illness in the city. The hospital and a local university's Masters of Public Health (MPH) program might help to gather this data. This data will be needed for the next Community Environmental Health Assessment, as part of the planned larger community health assessment that will end by 2011.	Alexandria Health Department/ Bob Custard	ECG, EPC, Environmental Health Workgroup, OEQ	N/A	Partially funded - additional resources may be required	The MPH student withdrew from this project. Application has been made for a CDC Public Health Intern for a year beginning July 2010. In the meantime, we have updated data from the American Lung Association's "2009 State of the Air" report.	No
Action 3: Further develop the Health Department's Respiratory Health Complaint Investigation Program by reassigning a portion of existing Environmental Health Division staff resources by September 2009, and including a budget supplement to meet the costs of FY2010.	Alexandria Health Department/ Bob Custard	ECG, EPC, Environmental Health Workgroup, OEQ	N/A	\$24,000 in new funding included in FY2010 budget for this and other respiratory health initiatives	The staff position that was to be reassigned was eliminated by state budget cuts. The proposed budget supplement for FY11 was deleted from the City's budget proposal.	No
Goal 2: Improve indoor air quality and health, in both new and existing work places by improving ventilation and reducing exposure to air contaminants including organic solvents, secondhand smoke, lead, and mold to promote respiratory health.						
Action 1: Revive the "Proud to Be Smoke-Free" restaurant program and increase the number of participating restaurants by 20% over the number participating under the previous plan by 2011.*	Alexandria Health Department/ Bob Custard	ECG, EPC, OEQ, Environmental Health Workgroup	N/A	Funded.	Goal met. All but seven restaurants and three private clubs in the City are now completely non-smoking indoors.	Yes
Action 2: By October 2009, revise the Health Department regulations governing nail salons to put more emphasis on indoor air quality, including ventilation and reducing exposure to volatile organic compounds (VOCs).	Alexandria Health Department/ Bob Custard	ECG, EPC, Environmental Health Workgroup	N/A	Funded with existing resources	This project is on hold for now until staff for the Respiratory Health Program can be hired.	No
Action 3: By April 2010, create a "Smoke-Free Work Place" program that encourages all work places in the City to go smoke-free and recognizes those that do.	Alexandria Health Department/ Bob Custard	ECG, EPC, OEQ, Environmental Health Workgroup	N/A	\$24,000 in new funding included in FY2010 budget for this and other respiratory health initiatives	The 100 largest work places in Alexandria were surveyed. With the exception of the hospitality industry (principally hotels), we determined that virtually all large work places are now smoke-free. Our focus is shifting to focus on environmental health assessment of the homes of asthmatics.	No
Action 4: Continue to support Commonwealth legislation to allow localities to ban smoking in bars, restaurants, and other public places.*	Alexandria Health Department/ Bob Custard	ECG, EPC, OEQ, Environmental Health Workgroup	N/A	Funded with existing resources	Legislation passed in 2009 banning most, but not all, smoking in restaurants. It was implemented in December, 2009. All but seven restaurants and three private clubs in the City are now completely non-smoking indoors. Completed.	Yes

Goal 3: Encourage healthy lifestyles and improved air quality by providing safe, active transportation opportunities, in order to reduce obesity, chronic diseases such as diabetes, heart disease, and stroke, and respiratory diseases.						
Action 1: Implement the Bike and Pedestrian Mobility Plan, focusing on Safe Routes to School, improving pedestrian and bicycle infrastructure, and increasing the number of cyclists and pedestrians.*	T&ES-Transportation/ Yan Lambert; Planning and Zoning/ Farall Hamer	AHD, P&Z	Ped-Bike Mobility Plan identified more than \$36 million in improvements. City has identified approx \$6 million in existing grants and additional existing CIP funds.	May be funded with existing resources and staff; program expansions beyond current capacity may require additional staff resources	In December 2009, the city partnered with Alexandria City Public Schools on a \$95,000 Safe Routes to School grant application to VDOT. The City and ACPS received a similar grant in March 2009. A total of 13 schools are now involved in Safe Routes to School efforts in Alexandria. The City also continued its Junior Ambassador program and partnership with the Washington Area Bicycle Association which included 12 students from middle and high schools. The students attended over two dozen major events such as the Waterfront Festival and numerous Farmer's Markets to deliver bicycle maps and safety information to over 1,500 residents. The City offered free "Confident City Cycling" classes for residents through the Washington Area Bicyclist Association in spring and fall, continued its annual 'Lights for Bikes' campaign with BikeWalk Alexandria and local bicycle shops to provide over 200 bicycle light sets to residents in high-accident areas.	Ongoing
Action 2: Work across City departments to develop a Pedestrian Design Guide to be issued by the City engineer in 2009.*	T&ES-Transportation/ Yan Lambert; Planning and Zoning/ Farall Hamer	AHD, P&Z	No funding currently exists.	Project cannot be completed with existing staff time; additional resources/ consultants may be required.	Not done yet.	No
Goal 4: Improve access to fresh food, preferably locally grown and within a ½ mile walk for all residents.						
Action 1: By September 2009, the Health Department will create a food system resource map using a Geographic Information System to include existing stores, markets, restaurants, and other food related programs to direct future efforts to increase access to accessible food.	Alexandria Health Department/ Bob Custard	EPC, ECG	N/A	Funded with existing resources	A GIS map has been created showing all groceries and markets.	Yes
Action 2: Continue to explore opportunities to expand and promote farmers' markets, especially in low-income neighborhoods.	RPCA/ Roger Blokeley	AHD, T&ES-OEQ	N/A	Funded with existing resources	Alexandria Healthy Food Resolution is being proposed for Council consideration.	Ongoing

PRINCIPLE: IMPLEMENTATION						
Phase I (Short Term, FY 2009 - 2011)	Lead Agency/ Contact	Other Agencies & External Partners	Funding - Capital Expenditures	Funding - Operating Costs	Status	
Goal 1: Identify and promote action steps for increasing financial investment in sustainability.						
Action 1: Estimate financial investments necessary to undertake major environmental action plan steps.	T&ES-OEQ/ Bill Skrabak	City Manager Office	N/A	Existing resources		No
Action 2: Form a task force of stakeholders to examine the means and consequences of implementing economic measures such as tax incentives and disincentives, subsidies and fees to increase the City's resources that support sustainability initiatives and foster changes in citizens' behaviors.	T&ES-OEQ/ Bill Skrabak	City Manager Office, P&Z, GS, RPCA	N/A	Existing resources		No
Action 3: Meet with City Council, staff, and public to explore establishment of an Eco-City Fund that would provide money for citizens at below-market interest rates for sustainability projects such as green home improvements within the city.	T&ES-OEQ/ Bill Skrabak	City Manager Office	Unfunded - See status	Unfunded - See status	Part of the EECBG funds are being considered for the revolving loan program. Study underway.	No
Goal 2: Provide education and outreach to citizens to help achieve environmental goals and objectives.						
Action 1: Hire an additional staff person to work on environmental education and outreach on Eco-City objectives.	T&ES-OEQ/ Bill Skrabak	CMO, EPC	N/A	Unfunded - \$110k/y	Nothing in FY2011 budget for this.	No
Action 2: Establish Internet education and participation resources and tools, including an Eco-City blog.*	T&ES-OEQ/ Bill Skrabak	CMO-E-Government	N/A	Existing resources - See status	Part of the EECBG will be used to fund Phase II of the Green Building program which will have elements related to this action item	No
Action 3: The City and EPC will conduct face-to-face meetings with major community and neighborhood groups to raise awareness about and support for Eco-City Alexandria.*	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources	City regularly presents and shares info on Eco-City.	Yes
Action 4: The City and EPC will establish an annual report card on key environmental quality and performance metrics, and on action steps accomplished by the City and publish these results.	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources	Under development.	Ongoing
Action 5: The City and EPC will conduct an Open House on Eco-City Alexandria.*	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Funded with existing resources	Completed in FY2010.	Yes
Action 6: Engage a broad range of stakeholders -- citizens, schools, nonprofit organizations, civic associations, and private partners -- to become volunteers in activities to protect and restore the city's natural resources such as water monitoring, stream and park clean-ups, restoration projects, and removal of invasive species.	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources	Ongoing.	No
Action 7: Develop GIS "green" maps for outreach and education purposes, such as environmentally-related City projects, services, alternative transportation, restoration projects, and air quality.*	Planning and Zoning/ Farroll Hamer	EPC, T&ES-OEQ	N/A	Funded through P&Z (GIS staff) budget	GIS staff anticipates producing the Air Quality Map by June. This project is 11 maps plus an interactive application for allowing staff and the public to explore all the data used in the creation of the maps. Currently 3 maps have been produced; the remaining maps are expected to be produced over the next 12-18 months. The application will be developed and deployed two months after the final map is completed.	Ongoing
Goal 3: Provide education and outreach to local businesses and related organizations to help achieve environmental goals and promote the development of green jobs within the city.						

Action 1: Establish a series of Open House events for businesses to showcase their application of green practices to other businesses and citizens, and to provide networking opportunities.	Planning and Zoning/ Farrah Hamer	ECG, General Services, OEQ	N/A	Unfunded - ~\$50,000 (includes other action items)	no action yet; need funding to develop schedule, reserve meeting spaces and speakers, provide handouts, etc.	No
Action 2: Establish internet education and participation resources and tools for providing information on green business practices.*	?	ECG, OEQ	N/A	Funded with existing resources		No
Action 3: Establish a leadership group of business organizations, managers, and owners to lead business community efforts to help achieve the City's environmental goals and objectives.	EPC	ECG, EDAW, Alexandria Chamber of Commerce	N/A	Unfunded		No
Action 4: Examine the feasibility of establishing a Green Business certification program for one or more business sectors within the city.	?	ECG, T&ES-OEQ	N/A	Funded with existing resources	Alexandria Food Safety Advisory Council is exploring a recognition program to encourage restaurants to "go green".	No
Action 5: Examine the feasibility of leveraging the city's restaurant, hospitality, and tourism industries by combining green business practice standards and accomplishments with marketing initiatives.	Alexandria Health Department/ Bob Custard	ECG, OEQ	N/A	Funded in part through \$14,000 new funding in FY 2010 budget for food safety and food industry outreach.	Alexandria Food Safety Advisory Council will host an Eco-Friendly Restaurant Expo in the fall. Others, including EPC and the restaurant association, are partnering in the effort.	No
Action 6: Create Eco-City Award to recognize outstanding sustainability efforts by members of the city's business community.*	EPC/ Jay Pochatila, ASA	ASA, T&ES-OEQ	N/A	Funded with existing resources	Completed. The Ellen Pickering Environmental Excellence Award sponsored by the EPC and ASA was announced to the public early in April and the first winner will be announced at the Earth Day on April 25, 2009.	Yes
Action 7: Identify and support public-private partnerships in order to create the foundation for the development of a green workforce in the city.	T&ES-OEQ/ Bill Skrabak	ECG, EPC, Alexandria Chamber of Commerce	N/A	Unfunded - See status	Part of EECBG will be used for green job training in weatherization and energy audits.	No
Goal 4: Continue steps to improve the City government's own green culture.						
Action 1: Increase City staff knowledge of and coordination on environmental activities.	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources	Environmental Coordination Group ongoing.	Yes
Action 2: Hold a retreat for City staff to discuss sustainability efforts.	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources		No
Action 3: Establish a volunteer program to enlist City employees in helping meet environmental objectives in City operations.	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources		No
Action 4: Develop a City "Green Purchasing Policy" that includes materials such as bio-based, recycled, and environmentally preferable products.	Purchasing/ Steve Gordon	ECG, T&ES-OEQ	N/A	Unfunded - incremental costs undetermined	City now purchases paper products having 30% recycled fiber content.	Yes
Goal 5: Increase community participation in carrying out implementation activities.						
Action 1: Develop and implement a plan to target volunteer support for implementing Environmental Action Plan projects.*	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources	Underway, a number of volunteering efforts are ongoing such as stream cleanup, invasive species removal.	Ongoing
Action 2: Increase collaboration and participation with other City volunteer committees.	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources		No
Action 3: Coordinate Eco-City volunteering with other City events, such as Spring for Alexandria, and other activities beyond Earth Day.*	T&ES-OEQ/ Bill Skrabak	ECG	N/A	Existing resources	Ongoing.	No
Goal 6: Re-examine EPC's composition and membership.						

Action 1: Discuss changing the seat dedicated to a high school student and replacing the seat with an ACPS member or other education professional; discuss whether overall EPC membership should increase to meet new demands.	EPC/ Danielle Fidler	City Council	N/A	Existing resources	EPC and City now sit on the ACPS Superintendent's Environmental Stewardship Committee. New seat created on EPC for business representative.	Yes
Action 2: Invite input and participation in Earth Day by members of local high school environmental clubs.	EPC/ Peter Pennington	ECG	N/A	Existing resources	Ongoing.	Ongoing
Action 3: The City and EPC will prioritize and develop a process and structure for EPC input and participation in the activities of other volunteer committees, including, but not limited to, those working on Small Area Plans, budget and financial affairs, transportation, waterfront, planning and zoning, industrial development, parks and recreation, public health, and water quality.	EPC	OEQ	N/A	Existing resources		No

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ECO-CITY ALEXANDRIA

Progress Report on Environmental Action Plan 2030

Council Legislative Session
April 13, 2010



City of Alexandria

Eco-City Alexandria – Partnership Between the City, EPC, VT and the Community

- ✓ Green-Ventory and Compendium of Model Sustainability Practices
- ✓ Eco-City Café and Eco-City Summit
- ✓ Eco-City Charter Adoption – June 2008
- ✓ Phase I Environmental Action Plan Adoption – January 2009
- ✓ Outreach for Phase II
 - EAP Café – March 2009
 - Release of draft EAP at Earth Day – April 2009
 - EAP Open House – May 2009
- ✓ Environmental Action Plan 2030 adoption in June 2009



City of Alexandria

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Environmental Action Plan 2030

- Comprehensive plan and road map for sustainability for the next 20 years
- Implementation plan following the ten guiding principles of the Eco-City Charter
- Incorporates short term goals and actions from Phase I EAP with new mid and long term goals and actions
- Contains 48 goals, 50 preliminary targets and 353 actions covering the next 20 years and beyond



City of Alexandria

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Phase I Environmental Action Plan

- An ambitious plan having 41 goals and 132 action steps covering the ten guiding principles
 - *Focuses on short-term actions to be taken during FY2009 - 2011*
- Staff developed a spreadsheet version of the Phase I Environmental Action Plan to keep track of progress
 - *i.e., Short Term Environmental Action Plan Matrix*
- To date, 43 actions have been completed in addition to 26 actions being actively worked on using existing resources



Planning and Policy Activities

- Adopted a new green building policy that requires all new commercial and multi-family developments to be LEED Silver or LEED certified
- Adopted the Urban Forestry Master Plan that aims at protecting and enhancing the City's tree canopy by setting a goal of 40% tree canopy for the City
 - *The City continues to be recognized as a Tree City USA and conducted two successful tree sales in 2009*
- Incorporating sustainability principles into Small Area Plans such as the Potomac Yard Small Area Plan



City of Alexandria

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Green Building Projects

- Several city green building projects completed in 2009 include
 - Charles Houston Recreation Center – LEED Gold
 - DASH facility – LEED Gold
 - Potomac Yard Fire Station and the associated Green Globe Housing project – Designed for LEED Silver
- T.C. Williams High School achieved LEED Gold certification in 2009



Open Space

- Approved two developments with public access and open space easements, which focus on the City's open space goals
 - Acquired a new open space site on Commonwealth Avenue
 - Currently working with the Northern Virginia Conservation Trust to obtain a conservation easement on private property
 - The new 1.12-acre President Gerald R. Ford Park was dedicated in November, 2009



Climate Change and Energy Conservation

- Completed GHG and criteria pollutants inventory for City government and community
 - Adopted MWCOG greenhouse gas (GHG) emission reduction targets
 - Developed an energy strategy based on EAP 2030 and used it to obtain an Energy Efficiency and Conservation Block Grant (EECBG), resulting in significant savings in time and money
 - EECBG funds are being used for five energy conservation projects
 - Proceeding with purchasing four hybrid King Street trolleys
-



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Environment & Health

- Recently adopted the Healthy Food Resolution aimed at promoting better access to local fresh food
- “Proud to be Smoke-free” program achieved 100% smoke-free fast food restaurants and 95% smoke-free full service restaurants



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Air Quality

- Significant progress has been made on improving air quality in the City
 - City/ Mirant Agreement calling for PRGS to further improve stack and fugitive emissions - \$35 million on stack merge and \$34 million to implement fugitive and stack fine particulate controls
 - SUP for Virginia Paving significantly reduces fugitive emissions and odor
 - Issued the report on “Alexandria’s State of The Air Report: Past, Present and Future” summarizing significant progress the City has made over the last 40 years



City of Alexandria

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Recycling

- Expanded the number and type of materials collected in the “single stream” recycling curbside program
- Extended days and drop-off hours for hazardous waste
- Expanded recycling program at City Hall
- Purchasing paper products having at least 30% recycled fiber content



Alexandria City Public Schools

- ACPS has been very progressive in implementing renewable energy and energy conserving technologies
 - T.C. Williams High School certified as LEED Gold
 - Green roof at Cora Kelly School
 - Geothermal energy and solar panels at T.C. Williams Minnie Howard campus
 - Geothermal energy, solar panels and ground-air heat exchange system are being constructed at James Polk Elementary School
- City and EPC participating in School Superintendent's Environmental Stewardship Committee
 - Expanded recycling and composting from the schools
 - Created Environmental Steward for each school

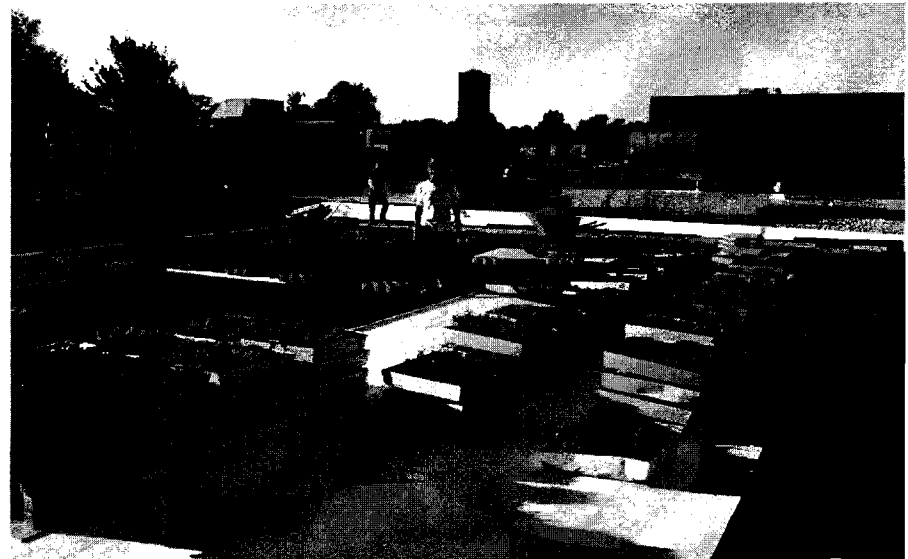


City of Alexandria

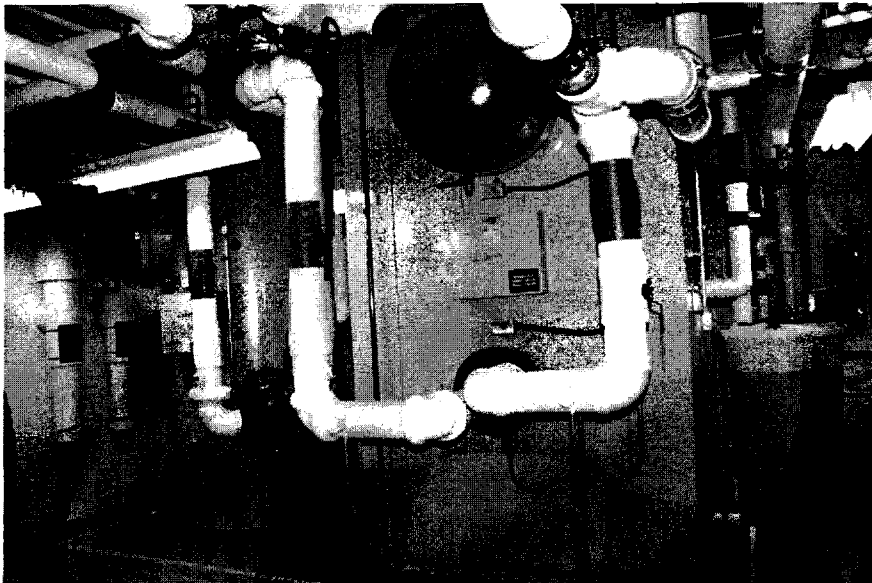
Eco-CITY  ALEXANDRIA

Alexandria City Public Schools

Cora Kelly School



T.C. Williams, Minnie Howard Campus



Outreach

- Organized several successful education and outreach events involving more than 2,000 participants
 - ✓ 2009 Alexandria Earth Day
 - ✓ Eco-City Café and open house
 - ✓ Rain Barrel & energy audit workshops & Garden School
 - ✓ Stream cleanups
 - ✓ Green Building forum
 - ✓ EPC/ASA established the Ellen Pickering Environmental Excellence Award



City of Alexandria

Eco-CITY  ALEXANDRIA

Recognition

- ✓ Mayor Euille testified before the US Senate Committee on Environment and Public Works on Eco-City Alexandria, green jobs and the new green economy
- ✓ The City received the highest certification by the Virginia Municipal League's Go Green Government Challenge, Platinum level
- ✓ The City received the 2009 Virginia Sustainable Building Network's (VSBN) Green Innovation Award for Most Sustainable Community Project
- ✓ Eco-City Alexandria has just been named one of the 15 finalists in the U.S. Conference of Mayor's Livability Awards



City of Alexandria

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Next Steps

Some major on-going activities are as follows:

- ✓ Climate Change Action Plan (under development)
- ✓ Green Building Phase II
- ✓ EECBG project implementations
- ✓ Eco-City indicators
- ✓ Storm water funding
- ✓ Continued outreach efforts
 - Alexandria Earth Day, April 24, 2010



City of Alexandria

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Eco-City Alexandria – Partnership Between the City, EPC, VT and the Community

- ✓ Mayor and City Council
- ✓ Environmental Policy Commission
- ✓ Virginia Tech Department of Urban Policy and Planning
- ✓ Concerned citizens
- ✓ Alexandria City Public Schools
- ✓ Environmental Coordination Group Members from City Departments (P&Z, RCPA, GS, Health, Code Enforcement, T&ES)



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