

FAIRFAX COUNTY, VIRGINIA
Environmental Improvement Program (EIP)
Appendix 5: Summary of Climate Change Actions

Fiscal Year 2013

Prepared September 2011

NOTE: EACH EIP ACTION IN THIS SUMMARY IS ASSIGNED A UNIQUE IDENTIFICATION NUMBER, BEGINNING WITH A TWO-LETTER ABBREVIATION FOR THE THEME AREA UNDER WHICH THE ACTION IS LISTED (E.G., “GL” FOR “GROWTH AND LAND USE”). THE THEME DESIGNATION “GL” IS FOLLOWED BY A UNIQUE FISCAL YEAR IDENTIFICATION NUMBER BEGINNING WITH “xx” (for example, “07”) TO INDICATE THE EIP IN WHICH THE ACTION WAS FIRST INTRODUCED. THE FISCAL YEAR IDENTIFICATION NUMBER IS THEN FOLLOWED BY A UNIQUE ACTION NUMBER TO IDENTIFY THE ACTION IN THAT FISCAL YEAR. THIS NUMBER IS THEN FOLLOWED BY A LETTER DESIGNATION OF “A”, “B”, “C” OR “R” TO INDICATE WHETHER THE ACTION IS “COMPLETE”, “ONGOING”, “NEW” OR “RETIRED”, RESPECTIVELY.

| EIP Action ID | EIP Action Title |
|-------------------|---|
| GL07-02(A) | PRM Zoning District |
| GL07-03(B) | Area Plan Amendments and Subsequent Rezoning Supporting Transit-Oriented Development and Provision of Housing in Employment Centers |
| GL07-04(B) | Planned Development District Zoning Ordinance Amendment |
| GL07-05(B) | Tysons Corner Transportation and Urban Design Study |
| GL07-06(B) | Pedestrian-Oriented Neighborhood Commerce: Plan Implementation |
| GL07-09(B) | Future Planned Development District Zoning Ordinance Amendment |
| GL08-01(B) | Review Zoning Ordinance Parking Requirements in Transit-Oriented Developments |
| GL08-03(R) | Plan Amendment to Strengthen Air Quality Guidance and to Incorporate Support for Green Building Concepts |
| GL08-04(R) | Define “Transit-Oriented Development” and Incorporate a Definition and Principles for its Application in the Comprehensive Plan |
| GL08-07(R) | Expanded Construction Site Monitoring for Tree Conservation |
| GL08-08(R) | Establish a Tree Fund |
| GL08-09(R) | Review and Improve Suggested Tree-Related Proffer Language |
| GL08-10(R) | Tree Preservation Legislation |
| GL08-11(B) | Urban Forestry Roundtable |
| GL08-12(B) | Consider Amending Article 13 of the Zoning Ordinance (Landscaping and Screening) |
| GL09-01(B) | Consideration of Green Building Incentives for Private Sector Development |
| GL09-04(B) | Tree Preservation and Canopy Replacement During the Development of County Facilities |
| AQ07-01(A) | EZ Bus Program |
| AQ07-13(A) | Purchase of Wind Power |
| AQ09-03(A) | Waiver of GVW Limit for Idle Reduction Equipment |
| AQ07-02(B) | Employer Services Program |
| AQ07-03(B) | Ridesources Program |
| AQ07-04(B) | Transportation Benefits |
| AQ07-07(B) | Priority Bus Stop Improvement Program |
| AQ07-08(B) | Richmond Highway Public Transportation Initiative |
| AQ07-09(B) | Air Quality Outreach |
| AQ07-10(B) | Dulles Corridor Metrorail |
| AQ07-14(B) | Participation on the Metropolitan Washington Air Quality Committee (MWAQC) |

| EIP Action ID | EIP Action Title |
|---------------|--|
| AQ07-15(B) | Evaluation and Purchase of Hybrid Drive Vehicles |
| AQ07-18(B) | BOS Four Year Transportation Plan |
| AQ07-20(B) | Fairfax County Transit Program |
| AQ07-23(B) | Periodic Assessment of Alternative Fuel Vehicle Technology |
| AQ08-01(A) | Regional Urban Forestry SIP Working Group |
| AQ08-05(B) | Tree Planting at Governmental Buildings and Parking Facilities |
| AQ08-06(B) | Telework Initiatives |
| AQ09-01(B) | Transportation Funding Bill |
| AQ09-02(B) | Comprehensive Bicycle Initiative |
| AQ10-01(B) | Columbia Pike Rail Initiative |
| AQ10-02(B) | Reduce Fuel Consumption in Heavy Duty Vehicles |
| AQ11-01(B) | Piezo Electric Generator Pilot Program |
| AQ07-22(C) | Fuel Economy and Emissions Standards |
| AQ10-03(C) | Continuing Purchase of Wind Power |
| WQ07-04(R) | Riparian Buffer Restoration |
| WQ08-05(B) | Benchmarking Watershed Tree Cover Levels |
| WQ08-08(B) | <i>This action has been incorporated into ES08-01(B)</i> |
| WQ08-09(B) | Establishing Tree Cover Goals for Watersheds |
| WQ10-01(C) | Riparian Buffer Maintenance |
| SW07-03(B) | Encourage Use of Recycled Products through Environmentally Preferable Purchasing (EPP) |
| SW07-05(B) | Remote HHW Collection Events |
| SW08-01(B) | Maximize Energy Recovery from LFG Resources |
| SW08-02(B) | WWTP Effluent Reuse at Covanta E/RRF from Noman Cole WWTP |
| SW09-02(B) | Renewable Energy Demonstration Park |
| PT07-07(B) | Park Authority Trail System |
| PT08-01(B) | Park Natural Resource Management |
| PT09-02(B) | <i>This action was previously incorporated into ES09-18, which is now retired</i> |
| PT09-03(B) | Synthetic Turf Athletic Fields |
| PT08-06(C) | Implementing Natural Landscaping Practices on County Properties |

| EIP Action ID | EIP Action Title |
|--------------------|---|
| PT09-02(R) | <i>This action was previously incorporated into ES09-18, which is now retired</i> |
| ES09-11(A) | Energy Star Vending Machines |
| ES10-12(A) | “Earth Hour” Event Participation |
| ES11-06(A) | Window Replacement at Noman Cole Pollution Control Plant |
| ES08-01(B) | Education and Outreach Programs and Activities |
| ES09-05(R) | NACo/Energy Star Change a Light Program |
| ES08-10(B) | Partnering with Non Profit Tree Planting Groups in Establishing a Countywide Tree Planting Program |
| ES09-06(B) | Joined Energy Star Challenge |
| ES09-08(B) | 30-Year Tree Canopy Goal |
| ES09-09(B) | Development of an Energy Management Program Through the Establishment of a Countywide Energy Coordinator Position |
| ES09-10(B) | Energy Outreach Program |
| ES09-12(B) | Government Center HVAC Component Replacement |
| ES09-13(B) | Install EMCS in Remaining County Facilities |
| ES09-14(B) | Increase Energy Conservation Code Compliance |
| ES10-03(B) | Implement Environmental Management System for Wastewater Management Program |
| ES10-09(B) | Park Authority Athletic Fields Lighting Improvements |
| ES11-04(B) | Wastewater Treatment Division participation in the Energyconnect’s Demand Response Program |
| ES11-05(B) | Cast-Iron and Asphalt Recycling by the Wastewater Collections Division of the Wastewater Management Program |
| ES09-18(R) | Energy Manager, Park Authority (<i>formerly PT09-02(B)</i>) |
| ES11-07(B) | Calculate and Validate the Wastewater Collections Division Carbon Footprint |
| ES11-09(B) | Wastewater Management Program IT Computer Server Virtualization |
| ES11-10(B) | Site Lighting Upgrades for Monomedia Filters at Noman Cole Pollution Control Plant |
| ES11-11(B) | Mercury Vapor Lighting Replacement at Noman Cole Pollution Control Plant |
| ES11-13(B) | Installation of Lighting Control Systems at FCPA Athletic Fields |
| ES11-14(B) | Outdoor Lighting and Control System Retrofits at Park Facilities |
| ES08-09 (C) | Promoting the Use of Natural Landscaping Practices by the Private Sector |

| EIP Action ID | EIP Action Title |
|--------------------|--|
| ES08-11(C) | Promoting Stewardship of Urban Forest Resources |
| ES09-15(C) | Government Center Energy Project |
| ES09-16(C) | Feasibility Study for Renewable Energy Technologies |
| ES09-17(C) | Perform Energy Audits for County Facilities |
| ES10-08(C) | Park Authority RECenters Lighting Improvements for Swimming Pools and Racquetball Courts |
| ES10-10(C) | Building Envelop Assessment and Improvement for Park Authority Facilities |
| ES10-11(C) | Park Authority Facilities Small HVAC Systems |
| ES11-01(R) | Installation of a Solar Powered Water Mixer at Noman Cole Pollution Control Plant |
| ES11-02(R) | Installation of a Solar Water Heater at the Noman Cole Pollution Control Plant |
| ES11-03(R) | Installation of Solar Powered Meters by Wastewater Treatment Division |
| ES10-14 (C) | Water Conservation Education and Device Distribution Program |
| ES10-15(C) | Environmental Stewardship Matching Grants for Watershed Protection & Energy Conservation |
| ES11-12(C) | Establish A Green Roof Onsite at Noman Cole Pollution Control Plant |
| ES12-01(C) | Second Phase of Outdoor Lighting and Control System Retrofits at Park Facilities |
| ES12-02(C) | Park Authority Solar thermal Systems for RECenters |