

DRAFT (October 10, 2006)
Analysis of Possible Voluntary Bundle Commitments (2002-2009)
Washington, DC-MD-VA Ozone Nonattainment Area

		Program Element	2009 Emission Reduction for 8-hour Ozone SIP
Green Building Initiatives			
	Fairfax County	LEED goal for recreation center.	No Credit
	Arlington County	LEEDs scorecard for projects; developer incentives.	
	Montgomery County	Possible Green Building ordinance.	
	City of Alexandria	LEEDs silver goal for all govt buildings.	
	City of Alexandria	Require plan for voluntary LEEDs for private sector.	
	City of Greenbelt	LEEDs silver for public works building.	
Urban Heat Island Mitigation/Tree Canopy			
	Fairfax County	Tree canopy requirement for new development.	No Credit
	Fairfax County	Parking lot canopy ordinance.	
	Fairfax County	Government land planting program.	
	Fairfax County	Countywide nonprofit tree planting program.	
	Arlington County	Urban Forest Master Plan.	
	Arlington County	Plant 1,280 trees annually.	
	Arlington County	Chesapeake Bay Preservation Ordinance/Landscape Conservation Plan.	
	City of Alexandria	Urban Forestry Plan under development.	
	City of Alexandria	12,000 square feet of vegetative roof installed on city buildings.	
	City of Alexandria	Reflective roofs standard for government buildings.	
	City of Greenbelt	Tree planting program. Shade tree improvement initiative.	
	Montgomery County	Tree planting program. 1,500 trees per year.	
	Montgomery County	"Shade to Save" pilot program.	
	Montgomery County	Monitor tree canopy, develop conservation measures.	
	Calvert County	Reflective roof systems on 6 county buildings.	
Episodic Programs			
	Arlington County	Code Red. Telecommute program.	No Credit
	Arlington County	Code Orange and Code Red. Outreach.	
	Fairfax County	Code Red. No refueling, Free Rides, Outreach.	
	Montgomery County	Code Red. Free Rides. Outreach. See commitments in 1-hour ozone SIP.	
	Calvert County	Limit Mowing. Restrict pesticide spraying. Limit fueling.	
	Loudoun County	Code Red: Prohibit fueling. Code Orange: Limit Fueling. Outreach.	
	City of Alexandria	Code Red. Outreach, Free Rides.	
	City of Falls Church	Limit Mowing and Vehicle Usage.	
	City of Greenbelt	Limit Mowing and Vehicle Usage.	

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Jurisdiction	Commitments in 1-hour Ozone SIP	New Additional Commitments for 8-hour Ozone SIP	2005 Emission Reduction Credited in 1-hour Ozone SIP (tpd)	Possible New 2009 Emission Reduction for 8-hour Ozone SIP (tpd)
Regional Wind Power Purchase Program (kWh/year)				
Montgomery County	28,000,000	21,432,972		
Arlington County		2,340,000		
Fairfax County		5,800,000		
Total	28,000,000	27,232,972	0.05 NOx	0.05 NOx
Diesel Retrofits (# of vehicles)				
Fairfax County School Bus	1,329	Complete		
Fairfax County Class 8 Trucks	0	113		
Fairfax County Fire Equipment	0	90		
Fairfax County DOT (DPF)	148	95		
Fairfax County DOT (idling)		95		
Montgomery County	0	253		
Loudoun County	0	237		
Total			No Credit	pending
Low-Emission Vehicle Purchases (# of vehicles)				
Arlington County	0	69		
Fairfax County	32	90		
Montgomery County	5	121		
Prince George's County	3			
Loudoun County	0	25		
City of Alexandria	0	55		
City of Greenbelt	0	7		
City of Falls Church	0	7		
Total	40	460	No Credit	pending
Low-VOC Paint (# of gallons per ozone season day)				
Prince George's County	5			
M-NCPPC Prince George's	15			
Fairfax County	40			
MDOT	502.5			
Arlington		0.63		
City of Alexandria		1.75		
City of Greenbelt		0.20		
Calvert County		1.25		
Total	562.5	3.20	0.166 VOC	0.0009 VOC
LED Traffic Signal Retrofits (# of intersections)				
VDOT	0	864		
MDOT	0	15		
DDOT	0	1546		
Montgomery County	0	250		
Arlington County	0	271		
Loudoun County	0	VDOT		
City of Alexandria	0	239		
City of Falls Church	0	818		
Total		4003	0	pending
Energy Performance Contracting (kWh/year savings)				
Fairfax County	0	6,630,675		
Arlington County	0	1,500,000		
City of Greenbelt	0	230,000		
Montgomery County	0	pending		
City of Falls Church	0	pending		
Calvert County	0	pending		
Total	0	8,360,675	0	0.015 NOx
Gas Can Replacement				
Montgomery	288			
Prince George's	95			
M-NCPPC- Prince George's	250			
Fairfax	300			
City of Fairfax	150			
City of Fairfax Contractors	65			
Prince William County	100			
Arlington County	230			
Total	1478		0.01 VOC	
Enhanced Enforcement (solvent machine replacement/idling)				
Montgomery County	0	10-30 units	0	0.008-0.164 VOC
Loudoun County		No Idling Policy		
Reformulated Consumer Products				
Virginia			3 VOC	
Remote Sensing Program				
Virginia			0	
Auxiliary Power Units (Locomotives)				
VRE			0.1 NOx	
TOTAL				
NOx			0.2	0.065
VOC			3.2	0.165