

March 2007 Evaluation Report
for the
Local Voluntary Commitments
in the
State Implementation Plan (SIP) for 1-Hour Ozone Standard
for the
WASHINGTON DC-MD-VA NONATTAINMENT AREA

Prepared by:

Metropolitan Washington Council of Governments

for the
District of Columbia Department of Environment

Maryland Department of the Environment
and the
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on behalf of the Metropolitan Washington Air Quality Committee

March 2007

Local Voluntary Programs March 2007 Evaluation Report

Background and Summary

State and local agencies in the Washington, DC-MD-VA ozone nonattainment area committed to implementing a variety of local innovative programs to reduce emissions and improve air quality as part of the region's 1-hour ozone State Implementation Plan (SIP). As part of this commitment, all jurisdictions agreed to recordkeeping and annual reporting requirements, to be used in an evaluation report due in March 2007. This report comprises the March 2007 Evaluation Report.

All jurisdictions that committed to implement voluntary programs maintained records and reported annually as required. Based on the reports received through December 31, 2006, jurisdictions have met all of their commitments contained in the 1-hour ozone SIP voluntary bundle.

Summary of Commitments

Table 1 provides a summary of the commitments made in the 1-hour ozone SIP. As shown, the commitments included wind energy purchases, purchase of low-emission vehicles, diesel vehicle retrofits, use of low-VOC paints, gas container replacements, auxiliary power units for locomotives, reformulated consumer products, and remote sensing programs.

Annual Reporting

As part of this commitment, all jurisdictions agreed to recordkeeping and annual reporting requirements, to be used in an evaluation report due in March 2007. Table 2 provides a summary of the recordkeeping and reporting requirements for each voluntary program. All jurisdictions that committed to implement voluntary programs maintained records and reported annually as required. Annual reporting forms were circulated to participating jurisdictions by staff of the Metropolitan Washington Council of Governments. The reporting forms are included as Attachment 1.

Progress Report

Table 3 provides a summary of the implementation status of each of the voluntary programs included in the voluntary bundle of the 1-hour ozone SIP. One program, the Reformulated Consumer Products program in Virginia, was adopted as a mandatory program in Virginia in 2005 so is no longer included in the voluntary bundle.

Evaluation Conclusion

Based on the reports received through December 31, 2006, jurisdictions have met all of their commitments contained in the 1-hour ozone SIP voluntary bundle. As such, there is no need for the Maryland, the District, or Virginia to backfill any shortfalls. Jurisdictions will continue to report on these commitments, as well as their new commitments made under the 8-hour ozone SIP, on an annual basis. The next evaluation report is scheduled for 2010.

Table 1. Specific Commitments to Voluntary Measures in the Washington DC-MD-VA 1-Hour Ozone Nonattainment Area

Program	Committed Entities	Specific Commitment	Effective Implementation Date
Maryland			
Gas Can Replacement	Montgomery County	288 containers	December 2004
Gas Can Replacement	Prince George's County	95 containers	January 2004
Gas Can Replacement	M-NCPPC Prince George's	250 containers	April 2005
Low-VOC Paint	Prince George's County	Flat Interior; 5 gallons per day; 0 VOC content	May 2005
Low-VOC Paint	M-NCPPC Prince George's	Flat Interior; 15 gallons per day; 0 VOC content	December 2003
Low-VOC Paint	MDOT	Traffic marking coatings; 502.5 gallons per day; 79 grams VOC/liter	December 2003
Regional Wind Power Purchase Program	Montgomery County	28,000,000 kWh	December 2004
Alternative Fueled Vehicle Purchase Program	Montgomery County	5 vehicles; 180 miles per day	December 2004
Alternative Fueled Vehicle Purchase Program	Prince George's County	3 vehicles; 32 miles per day	March 2004
Alternative Fueled Vehicle Purchase Program	M-NCPPC Prince George's	2 vehicles; 48-56 miles per day	July 2004

Table 1. Specific Commitments to Voluntary Measures in the Washington DC-MD-VA 1-Hour Ozone Nonattainment Area

Program	Committed Entities	Specific Commitment	Effective Implementation Date
Virginia			
Gas Can Replacement	Fairfax County	300 containers	May 2005
Gas Can Replacement	City of Fairfax	150 containers	July 2004
Gas Can Replacement	City of Fairfax Contractors	65 containers	July 2004
Gas Can Replacement	Prince William County	100 containers	May 2005
Gas Can Replacement	Arlington County	230 containers	May 2005
Low-VOC Paint	Fairfax County	Exterior Non-Flat High-Gloss; 40 gallons per day; 150 grams VOC/liter	April 2004
Regional Wind Power Purchase Program	Arlington County	2,340,000 kWh	May 2005
Alternative Fueled Vehicle Purchase Program	Fairfax County	30 vehicles; 40 miles per day	May 2005
Diesel Retrofit Program	Fairfax County Transit	143 transit buses with ULSD Fuel with CRT Filters; 38,720 annual VMT per bus	May 2005
Diesel Retrofit Program	Fairfax County School Bus	600 School Buses	May 2005
Auxiliary Power Units for Locomotives	Virginia Railway Express	13 units; 95 hours operation per week	December 2003

Table 1. Specific Commitments to Voluntary Measures in the Washington DC-MD-VA 1-Hour Ozone Nonattainment Area

Remote Sensing Device Program	All counties/cities in the Northern Virginia nonattainment area	Monitor vehicles on roadways in the nonattainment area; send notices requiring out of cycle testing	January 2005
Sale of Reformulated Consumer Products	Statewide	~80 consumer products	2005

Table 2. Summary of Monitoring and Verification Requirements for Voluntary Bundle

Program	Commitments^a	Monitoring and Verification Requirements^b
Gas Can Replacement	<p>District of Columbia None</p> <p>Maryland Montgomery County Prince George's County M-NCPPC Prince George's</p> <p>Virginia Fairfax County City of Fairfax City of Fairfax Contractors Prince William County Arlington County</p>	Number of containers replaced; method of destruction.
Low-VOC Paint	<p>District of Columbia None</p> <p>Maryland Prince George's County M-NCPPC Prince George's MDOT</p> <p>Virginia Fairfax County</p>	Number of gallons of paint used; VOC content.
Regional Wind Power Purchase Program	<p>District of Columbia None</p> <p>Maryland Montgomery County</p> <p>Virginia Arlington County</p>	Copies of signed contracts; energy bills.
Alternative Fueled Vehicle Purchase Program	<p>District of Columbia None</p> <p>Maryland Montgomery County Prince George's County M-NCPPC Prince George's</p> <p>Virginia Fairfax County</p>	Copies of signed contracts; invoices.

Table 2. Summary of Monitoring and Verification Requirements for Voluntary Bundle

Program	Commitments^a	Monitoring and Verification Requirements^b
Diesel Retrofit Program	<p>District of Columbia None</p> <p>Maryland None</p> <p>Virginia Fairfax County Transit Fairfax County School Bus</p>	Copies of signed contracts; work orders; invoices; mileage traveled.
Auxiliary Power Units for Locomotives	<p>District of Columbia None</p> <p>Maryland None</p> <p>Virginia Virginia Railway Express</p>	Copies of signed contracts; invoices; hours of operation of units.
Remote Sensing Device Program	<p>District of Columbia None</p> <p>Maryland None</p> <p>Virginia All counties/cities in nonattainment area</p>	Rulemaking authorizing penalties for non-compliance.
Sale of Reformulated Consumer Products	Virginia	Spot monitoring of retail products on-the-shelf.

^a Specific commitments are summarized separately.

^b All monitoring and verification data submitted on an annual basis used in this evaluation report.

**Table 3. Voluntary Bundle Implementation Status^a
Washington, DC-MD-VA 1-Hour Ozone Nonattainment Area**

Program	Jurisdictions with Voluntary Bundle Commitments	Total Commitment in Region	Implementation Status (through December 31, 2006)
Gas Can Replacement	Montgomery County Prince George's County M-NCPPC Prince George's Fairfax County City of Fairfax City of Fairfax Contractors Prince William County Arlington County	1,478	>5,000 (MDOT) 629 (local jurisdictions)
Low-VOC Paint	Prince George's County M-NCPPC Prince George's MDOT Fairfax County	562.5 gallons per day (0-150 grams per liter)	750 gallons per day
Regional Wind Power Purchase Program	Montgomery County Arlington County	30,340,000 kWh	44,200,000 kWh
Alternative Fueled Vehicle Purchase Program ^b	Montgomery County Prince George's County M-NCPPC Prince George's Fairfax County	40 vehicles	88 vehicles
Diesel Retrofit Program ^b	Fairfax County Transit Fairfax County School Bus	743 buses	1,323 buses
Auxiliary Power Units for Locomotives	Virginia Railway Express	13 units	13 units
Remote Sensing Device Program ^b	Northern Virginia	NA	RSD regulation was adopted at the November 3, 2004 board meeting.
Sale of Reformulated Consumer Products	Northern Virginia	NA	Consumer products regulation was adopted at the November 3, 2004 board meeting.

^a Based on information received as of 12/31/06.

^b No SIP credit claimed in Severe Area SIP.

Attachment 1

Tracking Progress of Voluntary Commitments Periodic Reporting Form

Jursidiction:	
Agency:	
Point of Contact (name, telephone number):	
Date Submitted:	
Report Covers Time Period:	

Low VOC Paint Program

Agency/Department	Number of Gallons of Paint Used	VOC Content of Paint Used (g/gal)	Paint Type	Comments on Implementation
TOTAL Gallons of Paint Used:				

***Paint and coating types include:**

- | | | |
|-------------------------|--|------------------------------------|
| Flat | High-Temp | Stain |
| Non-Flat | Industrial Maintenance | Swimming Pool |
| Non-Flat High Gloss | Lacquer | Traffic Marking |
| Antifouling | Low-Solids | Waterproof Masonry/Concrete Sealer |
| Clear Brushing Lacquer | Primer, Sealer and Undercoater | Waterproofing Sealer |
| Faux Finishing | Quick-Dry Enamel | Shellac-Clear |
| Fire-Resistive | Quick-Dry Primer, Sealer and Undercoater | Shellac-Opaque |
| Fire-Retardant (Clear) | Roof | Varnish |
| Fire-Retardant (Opaque) | Rust-Preventative | Wood Preservative |
| Floor Coating | Specialty Primer, Sealer and Undercoater | |

