

**TCMs And Vehicle Technology-Based, Fuel-Based, and Maintenance-Based Measures
In The 8-Hour Ozone SIP**

Ref #	Description	Jurisdiction	Responsible Agency	TIP Year	Funding Type	Implementation Year	2008 Emissions Tons/day		2009 Emissions Tons/day	
							VOC	NOx	VOC	NOx
TCMs										
DC-1	Bicycle Lane in D. C. (8 miles)	DC	DDOT	FY 2002-07	Federal/State	2004	0.0021	0.0022	0.0019	0.0020
DC-3	Bicycle Racks in D.C. (150 Racks)	DC	DDOT	FY 2002-07	Federal/State	2004	0.0004	0.0003	0.0003	0.0003
MD-2	Transit Parking Facilities	MD	MDOT	FY 1997-02	State/Local	2000	0.0026	0.0055	0.0024	0.0050
MD-3	MARC Replacement/Expansion Coaches	MD	MARC	FY 1995-00	State/Local	2000	0.0232	0.0615	0.0214	0.0551
MD-4	Bicycle Facilities	MD	MDOT	FY 1995-00	State/Local	1998	0.0051	0.0012	0.0047	0.0011
MD-5	Park and Ride Facilities	MD	MDOT	FY 1997-02	State/Local	1998-03	0.0039	0.0117	0.0036	0.0105
MD-6	Grosvenor Metro Garage	MD	MDOT	FY 1997-02	State/Local	2003-04	0.0039	0.0095	0.0036	0.0085
MD-7	Maryland Park-and-Ride Lots (Recent Additions)	MD	MDOT	FY 1997-02	State/Local	2000-04	0.0042	0.0105	0.0039	0.0094
NV-1	Northern Virginia Districtwide Park-And-Ride Spaces	NV	VDOT	FY 1995-00 FY 1996-01	State/Local	1996-99	0.0180	0.0492	0.0166	0.0441
NV-2	Transit Access Improvements (VRE Parking Spaces)	NV	VDOT	*	Private	2001	0.0103	0.0240	0.0095	0.0215
NV-4	Improved Pedestrian Access	NV	VDOT	FY 1997-02	State/Local	2002-04	0.0006	0.0012	0.0006	0.0011
NV-5	Construction of Bus Shelters (12)	NV	City of Fairfax	FY 1997-02	State/Local	1999 - Summer 2003	0.0000	0.0006	0.0000	0.0006
NV-6	Park & Ride Spaces (New)	NV	VDOT	Varies	Fed./State	Aug. 2000 - Sept. 2002	0.0222	0.0514	0.0205	0.0459
NV-7	Bicycle Lanes/Trails in Northern Virginia (12 miles)	NV	VDOT	Varies	Fed./State	1999 - Aug. 2003	0.0031	0.0033	0.0029	0.0029
NV-8	Bicycle Lockers in Northern Virginia (VDOT)	NV	VDOT	Varies	Fed./State	1997 - 2002	0.0002	0.0004	0.0002	0.0003
NV-10	Bicycle Trails/Lanes in Northern Virginia (29 miles)	Arlington & P.W. County	Arlington County P.W. County	*	State/Local	2003	0.0075	0.0079	0.0069	0.0071
NV-11	Sidewalk improvements in Northern Virginia (1.5 miles)	Fairfax City	VDOT	*	State/Local	June 2001 - July 2003	0.0004	0.0005	0.0004	0.0004
WM-1	Bicycle Racks on Buses (1458 racks)	Region	WMATA	FY 2003-08	CMAQ	2003	0.0047	0.008	0.0044	0.0072
						TCM subtotal	0.1124	0.2490	0.1037	0.2229
Vehicle Technology Based, Fuel Based And Maintenance Based Measures										
DC-2	New CNG Powered Trash Trucks (2 Vehicles)	DC	DDOT	FY 2002-07	Federal/State	2003	0.0000	0.0022	0.0000	0.0022
MD-1	Maryland Suburban Bus Replacements	MCG, PG	MCG, PG	FY 1997-02	State/Local	1998/1999	0.0064	0.0154	0.0059	0.0138
NV-3	Purchase Of New Transit Buses (WMATA)	NV	VDOT	FY 1995-00	CMAQ	1996-1998	0.0161	0.0412	0.0148	0.0369
NV-9	Hybrid light Duty Vehicles (25 vehicles)	Fairfax County	Fairfax County	*	State/Local	2002 - 2003	0.0004	0.0009	0.0004	0.0009
NV-12	11 New CNG Buses in place of Diesel Buses	Arlington County	Arlington County	*	Operating Fund	2003	0.0000	0.0174	0.0000	0.0174
WM-2	ULSD; CRT Filters (886 buses)	Region	WMATA	FY 2003-08	CMAQ; Private	2001; 2004	0.0600	0.0000	0.0600	0.0000
WM-3	CNG Buses (164 buses)	Region	WMATA	FY 2002-07	Fed/State /Local	2002-03	0.0000	0.1594	0.0000	0.1594
						Veh.-Tech subtotal	0.0829	0.2365	0.0812	0.2306
						Grand Total	0.1954	0.4854	0.1849	0.4535

* Projects implemented as part of the jurisdictions' ongoing countywide capital program and not required to be included in a TIP.