

**TRAVEL DEMAND AND EMISSIONS REDUCTION FROM POTENTIAL TERMS UNDER
CONSIDERATION FOR CONFORMITY OF THE 2008 CLRP & FY 2009-2014 TIP**

Table - 9

Ozone Precursor NO_x and VOC Emissions Estimate

Potential TERMS	VT (2010)	VMT (2010)	NO _x (2010)	VOC (2010)	Cost Effectiveness		Project Category
			tons/day	tons/day	NO _x (\$/t)	VOC (\$/t)	Category *
M-07A Voluntary Employer Parking Cash-Out Subsidy	16662	258261	0.1192	0.0741	5,379	8,655	C
M-24 Speed Limit Adherence (accelerated)		-	0.9167	-	26,618	-	TR
M-47c Employer Outreach for Private Sector Employers (expanded)	1323	20507	0.0095	0.0059	359,330	578,172	C
M-93 Improve Pedestrian Facilities Near Rail Stations	1428	22134	0.0102	0.0063	556,154	894,866	C
M-103 150 Taxicab Replacement Program - CNG (expanded)			0.2030	0.1307	14,300	22,210	SP
M-103a 150 Taxicab Replacement Program - conventional vehicles		-	0.1750	1,136	13,300	20,450	SP
M-110 10 Transit Stores in Maryland	2091	64989	0.0286	0.0151	17,320	32,850	C
M-111 Replace Traffic Signals with Lesser Controls		-	-	-	-	-	TR
M-113 6 Kiosks in Maryland	11	300	0.0001	0.0001	4,448,676	8,224,907	C
M-123 Employer Outreach for Public Sector Employers	10920	169260	0.0781	0.0485	41,827	67,301	C
M-132 Vanpool Incentive Program (expanded M-77b)	1785	111027	0.0478	0.0228	154,175	323,230	C
M-133 Metrorail Feeder Bus Service	0	6050	0.0025	0.0011	535,107	1,261,158	C
M-134 Implement Neighborhood Circulator Buses (10)	3000	46500	0.0215	0.0133	209,733	337,465	C
M-135 Construction of 1000 Parking Spaces at Metrorail Stations	0	20677	0.0087	0.0037	613,732	1,445,350	C
M-142E 100 CNG Buses in place of Old Diesel Buses	-	-	0.1720	0.0326	77,631	41,0051	SP
M-142F 100 Hybrid Buses in place of Old Diesel Buses	-	-	0.2095	0.0576	53,550	194,730	SP
M-142G 100 New Diesel Buses in place of Old Diesel Buses	-	-	0.1696	0.0556	40,250	122,900	SP
M-143 Real Time Bus Schedule Information	1232	19096	0.0088	0.0055	55,371	89,093	C
M-146 Purchase 185 WMATA buses (ridership growth)	18870	292485	0.1350	0.0839	108,400	174,400	C
M-148 WMATA Bus Information Displays with Maps (2000 cases)	2210	34255	0.0158	0.0098	25,348	40,785	C
M-150 Enhanced Commuter Services- (HOV Facilities)	0	51716	0.0217	0.0092	392,867	925,922	C
M-151 Enhanced Commuter Services-US 1 (Reverse Commute)	1916	29693	0.0137	0.0085	588,810	947,409	C
M-152 Enhanced Commuter Services- (Rail Relief)	0	73082	0.0307	0.0130	839,359	1,978,230	C
M-155 Expand Carsharing Program	290	4495	0.0021	0.0013	270,433	435,134	C
M-156 Free bus-to-rail/ rail-to-bus transfers (Similar to NYC pricing structure)	5100	79050	0.0365	0.0227	3,235,093	5,205,344	C
M-158 Free Bus Service Off-Peak (10:00 AM to 2:00 PM Mid-Day and Weekends)	4284	66402	0.0306	0.0190	2,282,683	3,672,893	C
M-159 W15-590 - Diesel Fuel Additive #	-	-	0.1330	-	2,700	-	H
M-160 Bose Automobile Anti-Air Pollutant and Energy Conservation System #	-	-	0.6100	-	1,000	-	H
M-161 Diesel Emulsion Fuel Additive (Non-road or Highway) **	-	-	0.1800	-	12,000	-	H
M-162 Early Engine Retirement (Pre-88) **	-	-	0.9000	-	2,200	-	H
M-163 Truck Idling (Truck Stops and Auxiliary Power Unit) **	-	-	0.4000	-	4,600	-	H
M-164 International Green Diesel Retrofit #	-	-	0.1400	-	141,000	-	H
M-165 Bike Stations at Rail Station	105	1628	0.0008	0.0005	905,260	1,456,714	C
M-144 Parking Impact Fees ¹	121836	1888453	0.8714	0.5415	1,818,865	2,926,599	C

Project Category: TR - Traffic Stream, C - Commute, H - Heavy Duty Vehicles (Engine Technology), SP- Specific Vehicle Type

** EPA Certified Technology available † Emission estimation under revision # No EPA certification Available ¹ This is a revenue generating TERM

Note: Above page extracted from the document “Transportation Emissions Reduction Measures (TERMs) Under Consideration For Conformity Of The 2007 CLRP & FY 2008-2013 TIP”