

MOBILE6.2 Input Parameter Summary

Table 1: General Parameters and Options

Input parameter	Annual
Output Pollutants Analysis Estimate Counties	VOC, CO, NOx, SO2, NH3, PM2.5. PM10 Annual Anne Arundel, Baltimore, Carroll, Harford, Howard, Baltimore City
Traffic Data	
VMT Data Source Speed VMT Adjustments Seasonal Factor Data SHA Hourly Pattern Data VMT Fractions (Mix) Traffic Volume Forecasted Growth Socioeconomic Data	2005 SHA Universal Highway Database 2005 SHA Universal Highway Database & Speed-Capacity Lookup Table 2005 HPMS 2005 SHA (Monthly) 2005 SHA Traffic Trends Report BMC Mix Extrapolated Growth Based on 1990-2005 HPMS VMT N/A
M6 Parameters	
Analysis Years CAAA Standards Tier2 Standards 2007 HDDV Rule North-East NLEV Refueling Emissions Registration Data Diesel Sales Fractions VMT by Facility VMT by Speed	2009 Enabled Enabled Enabled Included Not Included 2005 - From MDE 2005 Adjusted to 2009 - From MDE Each facility run as separate scenario Calculated by PPSUITE
Control Programs	
Fuel Program Oxygenated Fuels Diesel Sulfur Rebuild Effects RVP Season Evaluation Month Calendar Year I/M Program	4 100% Alcohol w/ 3.5% oxy content 43 90% 2005 - From MDE (Varies By Month) Varies By Month (January-2, February-2, March-2, April-2, May-1, June-1 July-1, August-1, September-1, October-2, November-2, December - 2) Varies By Month (January-1, February-1, March-1, April-7, May-7, June-7 July-7, August-7, September-7, October-1, November-1, December-1) 2009 IM2009.D
Weather Data	
Min / Max Temps Absolute Humidity Barometric Pressure Cloud Cover Peak Sun Sunrise / Sunset	2005 Hourly Temperatures - From MDE (Meteorological Stations) 2005 Hourly Relative Humidity - From MDE (Meteorological Stations) 2005 - From MDE (Meteorological Stations) (Varies By County) M6 Default (0%) M6 Default M6 Default (6 9)

Table 2: Inspection/Maintenance Program Input Parameters

MOBILE6 I/M Test Types:	2009				
I/M Program	EVAP OBD	OBD I/M	IM240*	IDLE	IDLE
Program Start Year	2002	1984	1984	1984	1984
I/M Stringency		20.0	20.0	20.0	20.0
I/M Model Years					
<i>First Year</i>	1996	1996	1984	1977	1977
<i>Last Year</i>	2050	2050	1995	2050	1983
I/M Waiver Rates					
Pre-81 Model Years	5.4%	5.4%	13.8%	13.8%	13.8%
Post-81 Model Years	5.4%	5.4%	13.8%	13.8%	13.8%
I/M Compliance	96.0%	96.0%	96.0%	96.0%	96.0%
Program Type: Test Only (T/O) Test & Repair computerized (TRC) Test & Repair Manual (TRM)	T/O	T/O	T/O	T/O	T/O
Inspection Frequency Annual / Biennial	2	2	2	2	2
I/M Vehicles 1 = I/M Benefits not calculated 2 = I/M Benefits calculated					
LDGV	2	2	2	1	2
LDGT1	2	2	2	1	2
LDGT2	2	2	2	1	2
LDGT3	2	2	2	1	2
LDGT4	2	2	2	1	2
HDGV2B	1	1	1	2	1
HDGV3	1	1	1	2	1
HDGV4	1	1	1	2	1
HDGV5	1	1	1	2	1
HDGV6	1	1	1	2	1
HDGV7	1	1	1	1	1
HDGV8A	1	1	1	1	1
HDGV8B	1	1	1	1	1
GAS BUS	1	1	1	1	1
I/M Grace Period	2	2	2	2	2

* Uses 75% Cutpoints for 2009 and varies by year.

Table 3: Anti-Tampering Program Input Parameters

ATP Parameters	2009
Program Start Year	89
I/M Model Years	
First Year	77
Last Year	83
I/M Vehicles	
1 = I/M Benefits not calculated	
2 = I/M Benefits calculated	
LDGV	2
LDGT1	2
LDGT2	2
LDGT3	2
LDGT4	2
HDGV2B	2
HDGV3	2
HDGV4	2
HDGV5	2
HDGV6	2
HDGV7	1
HDGV8A	1
HDGV8B	1
GAS BUS	1
Inspection Frequency:	
Annual	2
Biennial	
I/M Compliance	96.0%
Inspections Performed:	
1 = Not Performed	
2 = Performed	
Air Pump System	1
Catalyst Removal	2
Fuel Inlet Restrictor	2
Tailpipe Lead Deposit Test	1
EGR System	1
Evaporative Control System	1
PCV System	1
Gas Cap	2