

Appendix C, Exhibit 6
C6-1

*

* 7-1-08, 13 nonattainment counties, '02 reg. dist. (default for Class 8b), default VMT mix (08ar13e2.in)

*

MOBILE6 INPUT FILE :

POLLUTANTS : HC CO NOx

RUN DATA

* next lines show average hourly temp. for 10 highest Atlanta ozone days 2000-2002

HOURLY TEMPERATURES: 74 77 81 84 86 88 90 91 92 92 91 90
88 86 83 82 80 78 76 75 74 73 72 72

* Reid vapor pressure of 7.0 psi is a requirement for Georgia gasoline, Phases 1 and 2

FUEL RVP : 7.0

* the 2000 through 2002 sulfur levels below are for the 25-county (Phase 1)

* Georgia gasoline control area (includes 13-county Atlanta nonattainment

* area plus 12 other counties)

FUEL PROGRAM : 4
150.0 150.0 150.0 90.0 30.0 30.0 30.0 30.0
30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 150.0 150.0 87.0 87.0
80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

STAGE II REFUELING :

92 3 81. 81.

* According to section 2.8.9.3 of "User's Guide to MOBILE6.1 and MOBILE6.2: Mobile
* Source Emission Factor Model" (<http://www.epa.gov/otaq/models/mobile6/420r03010.pdf>)
* "All 1996 and newer model year vehicles are assumed to have negligible tampering
* effects. As a result, there is no tampering reduction benefit associated with the
* 1996 and newer vehicles."

ANTI-TAMP PROG :
82 75 95 22222 11111111 1 11 097. 12111111

* The external data file "im-info.d" is for 2002 and later evaluation dates;

* "iminfo-p.d" is identical to "im-info.d" but with phase-in ASM cutpoints

I/M DESCRIPT FILE : iminfo-p.d

REG DIST : 02regis2.d

*

*

SCENARIO REC : arterial, Atlanta 13, 2008, 2.5 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08ar13e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* next lines show average hourly rel. humidity for 10 highest Atlanta ozone days 2000-2002

RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77

* next line shows average daily barometric pressure for 10 highest Atlanta ozone days 2000-2002

BAROMETRIC PRES : 28.99

*
% o2 mrkt
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

* next line allows 1 psi increase to gasoline's Reid vapor pressure

RVP OXY WAIVER : 2

* the following information on conventional gasoline parameters

* is from Table B-5 in EPA's staff white paper on "boutique fuels"

* (EPA420-P-01-004, Oct 2001, <http://www.epa.gov/otaq/regs/fuels/p01004.pdf>)

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GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 2.5 Arterial 0.0 100.0 0.0 0.0

*
*

SCENARIO REC : arterial, Atlanta 13, 2008, 3 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08ar13e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 3 Arterial 0.0 100.0 0.0 0.0

*
*

[scenarios for 4 mph through 64 mph not shown]

*
*

SCENARIO REC : arterial, Atlanta 13, 2008, 64 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08ar13e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 64 Arterial 0.0 100.0 0.0 0.0

*
*

SCENARIO REC : arterial, Atlanta 13, 2008, 65 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08ar13e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

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RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 65 Arterial 0.0 100.0 0.0 0.0

*
*

SCENARIO REC : local, Atlanta 13, 2008, no speed input
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08ar13e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5

*

* Note that 12.9 is the default MOBILE6 average speed for local streets.

AVERAGE SPEED : 12.9 local

*
*

SCENARIO REC : ramps, Atlanta 13, 2008, no speed input
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08ar13e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5

*

* Note that 34.6 is the default MOBILE6 average speed for ramps.

AVERAGE SPEED : 34.6 ramp

END OF RUN

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*
* 7-1-08, 13 nonattainment counties, '02 reg. dist. (default for Class 8b), default VMT mix (08fwl3e2.in)
*

MOBILE6 INPUT FILE :

POLLUTANTS : HC CO NOx

RUN DATA

* next lines show average hourly temp. for 10 highest Atlanta ozone days 2000-2002
HOURLY TEMPERATURES: 74 77 81 84 86 88 90 91 92 92 91 90
88 86 83 82 80 78 76 75 74 73 72 72

* Reid vapor pressure of 7.0 psi is a requirement for Georgia gasoline, Phases 1 and 2
FUEL RVP : 7.0

[redundant comments not shown]

FUEL PROGRAM : 4
150.0 150.0 150.0 90.0 30.0 30.0 30.0 30.0
30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 150.0 150.0 87.0 87.0
80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

STAGE II REFUELING :
92 3 81. 81.

[redundant comments not shown]

ANTI-TAMP PROG :
82 75 95 22222 11111111 1 11 097. 12111111

[redundant comments not shown]

I/M DESCRIPT FILE : iminfo-p.d

REG DIST : 02regis2.d

*
*

SCENARIO REC : freeway, Atlanta 13, 2008, 2.5 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08fwl3e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* next lines show average hourly rel. humidity for 10 highest Atlanta ozone days 2000-2002
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77

* next line shows average daily barometric pressure for 10 highest Atlanta ozone days 2000-2002
BAROMETRIC PRES : 28.99

*
% o2 mrkt
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

* next line allows 1 psi increase to gasoline's Reid vapor pressure
RVP OXY WAIVER : 2

[redundant comments not shown]

GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 2.5 Non-Ramp 100.0 0.0 0.0 0.0

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*
*
SCENARIO REC : freeway, Atlanta 13, 2008, 3 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08fw13e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00
RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 3 Non-Ramp 100.0 0.0 0.0 0.0
*
*

[scenarios for 4 mph through 64 mph not shown]

*
*
SCENARIO REC : freeway, Atlanta 13, 2008, 65 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08fw13e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00
RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 65 Non-Ramp 100.0 0.0 0.0 0.0
*
*

END OF RUN

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*
* 7-1-08, 7 nonattainment counties, '02 reg. dist. (default for Class 8b), default VMT mix (08art7e2.in)
*

MOBILE6 INPUT FILE :

POLLUTANTS : HC CO NOx

RUN DATA

* next lines show average hourly temp. for 10 highest Atlanta ozone days 2000-2002

HOURLY TEMPERATURES: 74 77 81 84 86 88 90 91 92 92 91 90
88 86 83 82 80 78 76 75 74 73 72 72

* Reid vapor pressure of 7.0 psi is a requirement for Georgia gasoline, Phases 1 and 2

FUEL RVP : 7.0

[redundant comments not shown]

FUEL PROGRAM : 4
150.0 150.0 150.0 90.0 30.0 30.0 30.0 30.0
30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 150.0 150.0 87.0 87.0
80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

REG DIST : 02atl_7.d

*

*

SCENARIO REC : arterial, Atlanta 7, 2008, 2.5 mph

> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08art7e2.in)

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* next lines show average hourly rel. humidity for 10 highest Atlanta ozone days 2000-2002

RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77

* next line shows average daily barometric pressure for 10 highest Atlanta ozone days 2000-2002

BAROMETRIC PRES : 28.99

*

OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

* next line allows 1 psi increase to gasoline's Reid vapor pressure

RVP OXY WAIVER : 2

[redundant comments not shown]

GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 2.5 Arterial 0.0 100.0 0.0 0.0

*

*

SCENARIO REC : arterial, Atlanta 7, 2008, 3 mph

> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08art7e2.in)

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77

BAROMETRIC PRES : 28.99

OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00

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: TAME 0.00 0.00
RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 3 Arterial 0.0 100.0 0.0 0.0

*
*

[scenarios for 4 mph through 64 mph not shown]

*
*

SCENARIO REC : arterial, Atlanta 7, 2008, 65 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08art7e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00
RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 65 Arterial 0.0 100.0 0.0 0.0

*
*

SCENARIO REC : local, Atlanta 7, 2008, no speed input
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08art7e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00
RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5

*

* Note that 12.9 is the default MOBILE6 average speed for local streets.

AVERAGE SPEED : 12.9 local

*
*

SCENARIO REC : ramps, Atlanta 7, 2008, no speed input
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08art7e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99

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OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00
RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5

*
* Note that 34.6 is the default MOBILE6 average speed for ramps.
AVERAGE SPEED : 34.6 ramp

END OF RUN

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*
* 7-1-08, 7 nonattainment counties, '02 reg. dist. (default for Class 8b), default VMT mix (08fwy7e2.in)
*

MOBILE6 INPUT FILE :

POLLUTANTS : HC CO NOx

RUN DATA

* next lines show average hourly temp. for 10 highest Atlanta ozone days 2000-2002

HOURLY TEMPERATURES: 74 77 81 84 86 88 90 91 92 92 91 90
88 86 83 82 80 78 76 75 74 73 72 72

* Reid vapor pressure of 7.0 psi is a requirement for Georgia gasoline, Phases 1 and 2

FUEL RVP : 7.0

[redundant comments not shown]

FUEL PROGRAM : 4
150.0 150.0 150.0 90.0 30.0 30.0 30.0 30.0
30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0
1000.0 1000.0 1000.0 1000.0 150.0 150.0 87.0 87.0
80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

REG DIST : 02atl_7.d

*

*

SCENARIO REC : freeway, Atlanta 7, 2008, 2.5 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08fwy7e2.in)

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* next lines show average hourly rel. humidity for 10 highest Atlanta ozone days 2000-2002

RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77

* next line shows average daily barometric pressure for 10 highest Atlanta ozone days 2000-2002

BAROMETRIC PRES : 28.99

*

OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00

* next line allows 1 psi increase to gasoline's Reid vapor pressure

RVP OXY WAIVER : 2

[redundant comments not shown]

GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 2.5 Non-Ramp 100.0 0.0 0.0 0.0

*

*

SCENARIO REC : freeway, Atlanta 7, 2008, 3 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08fwy7e2.in)

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77

BAROMETRIC PRES : 28.99

OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00

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RVP OXY WAIVER : TAME 0.00 0.00
: 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 3 Non-Ramp 100.0 0.0 0.0 0.0

*
*

[scenarios for 4 mph through 64 mph not shown]

*
*

SCENARIO REC : freeway, Atlanta 7, 2008, 65 mph
> July 1, 2008, '02 reg. dist. (default for Class 8b), default VMT mix (08fwy7e2.in)
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
RELATIVE HUMIDITY : 76 68 60 53 49 45 42 40 39 38 38 41
44 49 53 57 61 65 69 70 72 75 78 77
BAROMETRIC PRES : 28.99
OXYGENATE : MTBE 0.00 0.00
: ETBE 0.00 0.00
: ETOH 10.00 1.00
: TAME 0.00 0.00
RVP OXY WAIVER : 2
GAS AROMATIC% : 32.0
GAS OLEFIN% : 13.0
E200 : 41.0
E300 : 83.0
GAS BENZENE% : 1.5
AVERAGE SPEED : 65 Non-Ramp 100.0 0.0 0.0 0.0

END OF RUN