

Appendix 5A

Documentation of On-Road Mobile Source Emissions Modeling for Reasonable Further Progress (RFP) Inventories

2002 and 2008 MOBILE6.2 Input Files for Greater Connecticut and Southwest Connecticut

1) 2002 MOBILE6.2 Primary Input File ("02no90p.in")

MOBILE6 INPUT FILE :

* For VOC and NOx Only

SPREADSHEET :

DATABASE OUTPUT :

POLLUTANTS : HC NOX

DATABASE OPTIONS : CTdb.opt

RUN DATA

> 2002 input file for 8-hr ozone RFP target calc - 2002 traffic/reg; No post-90 controls (CAA, RFG, 1990 I/M) 4/18/2007 PMB

>*****Fairfield Expressway*****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt1S.cty

VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :

0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023

0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Fairfield County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****Fairfield Arterials/Collectors *****

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SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Litchfield County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
***** FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Litchfield Ramp *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
***** 83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Litchfield County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
***** FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Middlesex Expressway*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

***** I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

***** ANTI-TAMP PROG :

***** 83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt4S.cty

VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :

0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023

0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

***** FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 66.5 91.6

RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9

56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

BAROMETRIC PRES : 29.53

END OF RUN

>*****Middlesex Arterials/Collectors *****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

***** I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

***** ANTI-TAMP PROG :

***** 83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt4S.cty

VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)

VMT FRACTIONS :

0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008

0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Middlesex County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

***** FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 66.5 91.6

RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9

56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

BAROMETRIC PRES : 29.53

END OF RUN

>*****Middlesex Local*****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
***** 83 78 50 2222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt4S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Middlesex County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

***** FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****Middlesex Ramp*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt4S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New Haven Expressway*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New Haven County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New Haven Arterials/Collectors *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : New Haven County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New Haven Local *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
***** 83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : New Haven County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
***** FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New Haven Ramp *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New Haven County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New London Expressway*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt6S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New London County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****New London Arterials/Collectors *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

```

* I/M Data for 1990
I/M DESC FILE   : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR     : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT       : 02svmt6S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS   :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : New London County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7
* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP           : 6.8
FUEL RVP        : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****New London Local *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP       : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM   : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST         : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE     : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG    :
*****83 78 50 22222 21111111 1 12 095. 12111112

```

```

* I/M Data for 1990
I/M DESC FILE   : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR     : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT       : 02svmt6S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS   :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : New London County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7
* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP       : 6.8
FUEL RVP        : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****New London Ramp*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP    : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING     :

> Same Reg Dist files used in 2002 PEI
REG DIST         : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE   : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG  :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE   : CTIM90.d

```


* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt6S.cty

VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New London County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 67.7 95.5

RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7

47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

>*****Tolland Expressway *****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt7S.cty

VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :

0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Tolland County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 67.7 95.5

RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

>*****Tolland Arterials/Collectors *****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT       : 02svmt7S.cty
VMT BY FACILITY  : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS   :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD  : Tolland County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR    : 2002
EVALUATION MONTH : 7
* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP      : 6.8
FUEL RVP        : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP     : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES  : 29.89

END OF RUN

>*****Tolland Local *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP   : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM   : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST         : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE   : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG  :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE    : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT       : 02svmt7S.cty
VMT BY FACILITY  : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS   :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD  : Tolland County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR    : 2002
EVALUATION MONTH : 7
* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP      : 6.8
FUEL RVP        : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP     : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES  : 29.89

END OF RUN

>*****Tolland Ramp *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP   : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM   : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE   : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG  :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE    : CTIM90.d
* No anti-tampering program in 1990
> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS  : 0.07

* VMT Data
VMT BY HOUR      : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

```

SPEED VMT : 02svmt7S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Tolland County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Windham Expressway*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Windham County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 67.7 95.5

RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7

47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

>*****Windham Arterials/Collectors*****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt8S.cty

VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)

VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Windham County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Windham Local*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :

0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Windham County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2002
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Windham Ramp *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Windham County 2002 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2002

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 67.7 95.5

RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7

47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

2) 2008 MOBILE6.2 Primary Input File (“028no90p.in”)

MOBILE6 INPUT FILE :

* For VOC and NOx Only

SPREADSHEET :

DATABASE OUTPUT :

POLLUTANTS : HC NOX

DATABASE OPTIONS : CTdb.opt

RUN DATA

> 2008 input file for 8-hr ozone RFP target calc - 2002 traffic/reg; No post-90 controls (CAA, RFG, 1990 I/M) 4/18/2007 PMB

>*****Fairfield Expressway*****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt1S.cty

VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :

0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023

0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Fairfield County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 66.5 91.6

RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

BAROMETRIC PRES : 29.53

END OF RUN

>*****Fairfield Arterials/Collectors *****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt1S.cty

VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)

VMT FRACTIONS :

0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008

0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Fairfield County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 66.5 91.6

RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

BAROMETRIC PRES : 29.53

END OF RUN

>*****Fairfield Local*****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt1S.cty

VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :

0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Fairfield County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****Fairfield Ramp*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt1S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Fairfield County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****Hartford Expressway*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt2S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Hartford County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7

47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Hartford Arterials/Collectors*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt2S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Hartford County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Hartford Local *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt2S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Hartford County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Hartford Ramp*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt2S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Hartford County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Litchfield Expressway *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Litchfield County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
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> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Litchfield Arterials/Collectors *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Litchfield County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
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> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Litchfield Local *****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Litchfield County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Litchfield Ramp *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Litchfield County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Middlesex Expressway*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
***** 83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt4S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

***** FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****Middlesex Arterials/Collectors *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
***** 83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt4S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Middlesex County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

***** FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****Middlesex Local *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
***** 83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt4S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Middlesex County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

***** FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****Middlesex Ramp *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt4S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New Haven Expressway *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New Haven County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New Haven Arterials/Collectors *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : New Haven County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New Haven Local *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
***** ANTI-TAMP PROG :
***** 83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : New Haven County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
***** FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New Haven Ramp*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
***** I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New Haven County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>*****New London Expressway*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt6S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New London County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****New London Arterials/Collectors *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt6S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : New London County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****New London Local*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt6S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : New London County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****New London Ramp*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt6S.cty

VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New London County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 67.7 95.5

RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

>*****Tolland Expressway*****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt7S.cty

VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :

0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023

0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Tolland County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 67.7 95.5

RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7

47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

>*****Tolland Arterials/Collectors *****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT       : 02svmt7S.cty
VMT BY FACILITY  : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS   :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD  : Tolland County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR    : 2008
EVALUATION MONTH : 7
* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
*****FUEL RVP      : 6.8
FUEL RVP        : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP     : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES  : 29.89

END OF RUN

>*****Tolland Local *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP   : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM   : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST         : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE   : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG   :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE    : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS  : 0.07

* VMT Data

```

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt7S.cty

VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)

VMT FRACTIONS :

0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006

0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Tolland County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 67.7 95.5

RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7

47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

>*****Tolland Ramp *****

* Turn off CAAA of 1990 controls

NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs

*****94+ LDG IMP : NLEVNE.D

* Fuel Data

***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI

REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI

*****I/M DESC FILE : CTIM02.D

***** M6 User's Guide says ATP parameters must be on 2nd line

*****ANTI-TAMP PROG :

*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990

I/M DESC FILE : CTIM90.d

* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

REBUILD EFFECTS : 0.07

* VMT Data

VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI

SPEED VMT : 02svmt7S.cty

VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Tolland County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Windham Expressway*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Windham County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Windham Arterials/Collectors *****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :

0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Windham County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Windham Local*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006

0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Windham County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA
CALENDAR YEAR : 2008
EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8
FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>*****Windham Ramp*****

* Turn off CAAA of 1990 controls
NO CLEAN AIR ACT :

* For no Post90 CAA, get rid of * Northeast NLEV inputs
*****94+ LDG IMP : NLEVNE.D

* Fuel Data
***** remove RFG since occurs post-1990 ***** FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

***** Change to 1990 I/M ***** I/M Data; 2002 program same as in 2002 PEI
*****I/M DESC FILE : CTIM02.D
***** M6 User's Guide says ATP parameters must be on 2nd line
*****ANTI-TAMP PROG :
*****83 78 50 22222 21111111 1 12 095. 12111112

* I/M Data for 1990
I/M DESC FILE : CTIM90.d
* No anti-tampering program in 1990

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Windham County 2008 w/2002 traffic/reg; O3 SEASON w/1990 I/M, no RFG, no CAA

CALENDAR YEAR : 2008

EVALUATION MONTH : 7

* Change to 1990 pre-reg fuel RVP = 9.0 psi

* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.

*****FUEL RVP : 6.8

FUEL RVP : 9.0

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)

MIN/MAX TEMP : 67.7 95.5

RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7

47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

3) 1990 Vehicle Emission Inspection & Maintenance Program (“CTIM90.in”)

> 1990 CT I/M PROGRAMS

>Annual I/M T/O Idle test for all cars & light trucks

I/M PROGRAM : 1 1983 2050 1 T/O IDLE

I/M MODEL YEARS : 1 1968 2050

I/M VEHICLES : 1 22222 11111111 1

I/M STRINGENCY : 1 22.0

I/M COMPLIANCE : 1 85.0

I/M WAIVER RATES : 1 9.0 9.0