Photochemical Modeling Studies for the Philadelphia CMSA - New Jersey Domain

Appendix to
SENSITIVITY STUDIES FOR ASSESSING THE IMPACT OF EMISSIONS REDUCTIONS

Ozone Research Center Technical Support Document ORC-TSD-9704A

by

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EOHSI, the Environmental and Occupational Health Sciences Institute, is a joint project of
UMDNJ - Robert Wood Johnson Medical School, and
Rutgers, The State University of New Jersey

December 1997

Contents

PART I: SENSITIVITY SIMULATIONS FOR BASE EPISODE YEAR 10

1 Introduction 10

2 Impacts of Emissions from Different Source Categories 11

2.1 Impact of Emissions from Within and Outside NJ 11

2.2 Impact of Emissions from Area and Point Sources 11

2.3 Impact of Emissions from Biogenic Sources 12

2.4 Impact of Boundary Conditions 12

2.5 Impact of Reductions from Elevated vs Ground level Sources 12

3 Matrix Sensitivity Simulations 13

PART II: SENSITIVITY SIMULATIONS FOR FUTURE ATTAINMENT YEAR 45

4 Sensitivity Study with OTC Strategies 45

4.1 2005 CAAA Base Case 45

4.2 OTC Control Strategy E 46

4.3 OTC Control Strategy C2 46

5 Sensitivity Study in the 5-county Philadelphia CMSA 47

6 Matrix Simulations with One-way Nesting 48

List of Tables

1 Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-RXC 17

2 Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-RXC 17

3 Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-RXC 18

4 Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-RXC 18

5 Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-MXC 19

6 Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-MXC 19

7 Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-MXC 20

8 Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-MXC 20

9 Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXC 21

10 Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXC 21

11 Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXC 22

12 Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXC 22

13 Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXV 23

14 Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXV 23

15 Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXV 24

16 Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXV 24

17 Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-RW-MXV 25

18 Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-RW-MXV 25

19 Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-RW-MXV 26

20 Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-RW-MXV 26

21 Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV 27

22 Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV 27

23 Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV 28

24 Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV 28

25 Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-EMV 29

26 Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-EMV 29

27 Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-EMV 30

28 Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-EMV 30

29 Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-BCV 31

30 Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-BCV 31

31 Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-BCV 32

32 Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-BCV 32

33 Output Metrics from Future Year Simulations in the New Jersey–Philadelphia–Delaware Valley for July 1988 episode. 33

34 Sensitivity analyses to compare changes in daily maximum O_3 concentrations per unit reduction of NO_x or VOC from elevated versus ground level sources, from UAM simulations (with 1988/1990 state emissions) for July 7, 1988 34

35 Total emissions within the UAM-IV domain on July 7, 1988. 49

36 Total emissions within the UAM-IV domain on July 19, 1991. 49

37 Daily Maximum 1-Hour O_3 predictions (ppb) within the New Jersey–Philadelphia–Delaware Valleyfrom ROM2.2 simulations in the SUPROXA1 domain. 50

38 Output Metrics from Future Year Simulations in the New Jersey–Philadelphia–Delaware Valley for July 1988 episode. 50

39 Output Metrics from Future Year Simulations in the New Jersey–Philadelphia–Delaware Valley for July 1991 episode. 50

40 Metrics from Future Year 2005 Simulations performed with different emissions scenarios in the 5-county Philadelphia CMSA for July 19. 51

41 Metrics from Future Year 2005 Simulations performed with different emissions scenarios in the 5-county Philadelphia CMSA for July 20. 51

List of Figures

1 Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988 EPA interim emissions) to study effect of emissions from New Jersey alone. 35

2 Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988 EPA interim emissions) to study effect of reductions from Area versus Point sources. 36

3 Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988 EPA interim emissions) to study effect of changes in emissions from biogenic sources. 37

4 Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988/1990 state emissions) to study effect of reductions from ground level versus elevated sources. 38

5 Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988/1990 state emissions) to study effect of reductions from ground level versus elevated sources. 39

6 Daily maximum O_3 concentrations on July 7 and 8, 1988 from sensitivity UAM simulations to compare effects of default estimates for major utilities versus day-specific emissions estimates. 40

7 Daily maximum O_3 concentrations on July 7, 1988 from Matrix set of UAM simulations 88I-DW-MXV (using 1988 EPA interim emissions, DWM wind-fields and spatially varying mixing height from MIXEMUP). 41

8 Daily maximum O_3 concentrations on July 7, 1988 from Matrix set of UAM simulations 88S-RW-MXV (using 1988/1990 state emissions, ROM wind-fields and spatially varying mixing height from MIXEMUP). 42

9 Daily maximum O_3 concentrations on July 7, 1988 from Matrix set of UAM simulations 88S-DW-MXV (using 1988/1990 state emissions, DWM wind-fields and spatially varying mixing height from MIXEMUP). 43

10 Spatially and diurnally varying mixing height profiles developed from (a) RAMMET-X and (b) MIXEMUP algorithms for July 6–8, 1988 in the domain 44

11 Maximum Ozone Concentrations at Southern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 19 in layers 1 and 5. 52

12 Maximum Ozone Concentrations at Western Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 19 in layers 1 and 5. 53

13 Maximum Ozone Concentrations at Eastern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 19 in layers 1 and 5. 54

14 Maximum Ozone Concentrations at Northern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 19 in layers 1 and 5. 55

15 Maximum Ozone Concentrations at Southern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 20 in layers 1 and 5. 56

16 Maximum Ozone Concentrations at Western Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 20 in layers 1 and 5. 57

17 Maximum Ozone Concentrations at Eastern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 20 in layers 1 and 5. 58

18 Maximum Ozone Concentrations at Northern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 20 in layers 1 and 5. 59

19 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Base1C and emissions inputs from state 2005 attainment inventories for July 19 and 20. 60

20 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Base1C and emissions inputs from EPA Interim 2005 Base Case inventories for July 19 and 20. 61

21 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Sensitivity Run 2 and emissions inputs from state 2005 attainment inventories for July 19 and 20. 62

22 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Sensitivity Run 2 and emissions inputs from EPA Interim 2005 Base Case inventories for July 19 and 20. 63

23 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Sensitivity Run 2 and emissions inputs with zero anthropogenic emissions for July 19 and 20. 64

24 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Base Case and emissions inputs from state 2005 attainment inventories for July 19 and 20. 65

25 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Base Case and emissions inputs from EPA Interim 2005 Base Case inventories for July 19 and 20. 66

26 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Strategy E and emissions inputs from state 2005 attainment inventories for July 19 and 20. 67

27 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Strategy E and emissions inputs from EPA Interim 2005 Base Case inventories for July 19 and 20. 68

28 Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Strategy E and emissions inputs with zero anthropogenic emissions for July 19 and 20. 69

29 Difference between predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations using emissions inputs from EPA Interim 2005 and State 2005 attainment inventories for July 19 and 20 (constant boundary conditions from UAM-V 2007 Base1C). 70

30 Difference between predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations using emissions inputs from EPA Interim 2005 and State 2005 attainment inventories for July 19 and 20 (constant boundary conditions from UAM-V 2007 Sensitivity Run 2). 71

31 Difference between predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations using emissions inputs from EPA Interim 2005 and State 2005 attainment inventories for July 19 and 20 (constant boundary conditions from ROM 2005 Base Case). 72

32 Difference between predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations using emissions inputs from EPA Interim 2005 and State 2005 attainment inventories for July 19 and 20 (constant boundary conditions from ROM 2005 Strategy E). 73

PART I: SENSITIVITY SIMULATIONS FOR BASE EPISODE YEAR

1 Introduction

The ability of photochemical modeling systems to correctly simulate the effects of emission changes needs to be assessed because of the direct connection between changes in emissions and the intended regulatory application of photochemical models. Traditionaly, photochemical models are evaluated for a variety of meteorological conditions over periods of time too brief to involve major changes in emissions. The assumption made here is that the models will be applicable under conditions of drastically altered emissions. It is thus imperative to evaluate photochemical modeling systems intended for use in the development of air pollution control strategies to determine their ability to simulate the effects of emissions changes.

Based on the above, extensive sensitivity analysis has been performed for the New Jersey–Philadelphia–Delaware Valley to be able to assess the impact of various emissions reductions in resultant ambient air quality predictions from photochemical modeling systems. The details of the various sensitivity analysis are discussed below. The UAM-IV modeling system as desribed earlier is used for all the simulations presented here.

2 Impacts of Emissions from Different Source Categories

2.1 Impact of Emissions from Within and Outside NJ

To get an estimate of the impact of emissions from anthropogenic sources in New Jersey, two sets of simulations were performed. In the first (Scenario CS-NJ1), all emissions from within all counties in New Jersey were reduced to zero, and in the second (Scenario CS-NJ2), all emissions from outside New Jersey were reduced to zero. The domain wide maximum ozone prediction for the base case was 239 ppb. The maximum ozone predictions for the two hypothetical cases were 232 and 199 ppb respectively. The boundary concentrations were left untouched in these simulations. DWM wind-fields and spatially invariant mixing heights from MIXEMUP and EPA 1988 interim emissions inventories were used here. The peak O_3predictions from UAM-IV are shown in Figure 1.

2.2 Impact of Emissions from Area and Point Sources

4 sets of simulations were performed to assess the contribution to ozone formation from area and point source emissions.

- CS-A1: NO_x emissions from area sources reduced by 50 %
- CS-A2: VOC emissions from area sources reduced by 50 %
- CS-P1: emissions from point sources reduced by 50 %
- CS-P2: VOC emissions from point sources reduced by 50 %

The greatest reduction in predicted ozone maxima was obtained in the case when VOC was reduced by 50 % from area sources. A domain wide ozone maximum of 199 ppb was predicted as against 239 ppb for the base case. VOC reduction from point sources did not have much impact, while reduction of NO_x from area or point sources indicated increased ozone predictions. The meteorology used in these analyses were also DWM wind-fields and spatially invariant mixing height from MIXEMUP. Figure 2 shows the peak predictions from UAM-IV.

2.3 Impact of Emissions from Biogenic Sources

Biogenic emissions being another contributor to the total emissions within a domain, the uncertainty in biogenic emissions estimates was assessed by performing three sets of simulations with changes in biogenic emissions. Biogenic emission estimates for all these simulations were obtained from the corresponding ROM simulations using the ROM-UAM interface. NO_x and VOC emissions from biogenic sources were decreased by a factor of half(Scenario CS-B1), increased by factors of 2 (Scenario CS-B2) and 3 (Scenario CS-B3). As seen in Figure 3, while CS-B1 predicted an ozone maximum of 251 ppb, as against 288 ppb for base case, the maximum predictions from CS-B2 and CS-B3 were 275 and 287 respectively. Though the predicted ozone maxima decreased for CS-B1, the persistence value was almost the same here as compared to the base case.

The results from all the above three sets of simulations are given in Table 1.

2.4 Impact of Boundary Conditions

A hypothetical scenario was simulated wherein emissions from all sources were switched off within the domain. Only the boundary concentrations were left intact. Wind-fields from ROM-UAM interface and spatially varying mixing height from MIXEMUP were used here. which included the Baltimore metropolitan area as well. As against a domain wide ozone maximum of 190 ppb in the base case, this simulation predicted a maximum of 174 ppb.

2.5 Impact of Reductions from Elevated vs Ground level Sources

To assess the impact of reductions from elevated versus ground level sources, a set of simulations were performed as follows:

- CS-GE1 1000 T of NO_x reduced from ground level sources
- CS-GE2 1000 T of NO_x reduced from elevated sources
- CS-GE3 1000 T of VOC reduced from ground level sources

- CS-GE4 38 T of VOC reduced from elevated sources
- CS-GE5 1000 T each of NO_x and VOC reduced from ground level sources
- CS-GE6 1000 T of NO_x and 38 T of VOC reduced from elevated sources

Table 34 shows the summary of the output metrics from this set. It is seen from this study that reducing VOC from ground level sources reduces the peak O_3 concentration from 204 to 172 ppb. However, in all the other cases, the peak predictions are actually increased from the base case levels. Figures 4 and 5 show the daily maxima concentrations from these simulations.

3 Matrix Sensitivity Simulations

EPA had performed a matrix set of control sensitivity runs, where the NO_x and VOC emissions from anthropogenic emissions were reduced by 0, 25, 50, 75 and 100 percent respectively. Using the boundary and initial conditions from the corresponding ROM simulations for the MATRIX85 scenario, 8 sets of matrix UAM simulations were performed with different meteorological conditions as the base cases. 12 control scenarios (with corresponding NO_x and VOC reductions) were simulated besides the base case in each set. Four of them used the EPA 1988 interim emissions inventory (termed as matrix sets 88I) while the remaining four used the base 1990 emissions inventory developed by the state agencies (called matrix 88S).

The meteorology used in each of these matrix sets were:

- 88I-RW-RXC ROM wind-fields and spatially invariant mixht from RAMMET-X
- 88I-RW-MXC ROM wind-fields and spatially invariant mixht from MIXEMUP
- 88I-DW-MXC DWM wind-fields and spatially invariant mixht from MIXEMUP
- 88I-DW-MXV DWM wind-fields and spatially variant mixht from MIXEMUP
- 88S-RW-MXV ROM wind-fields and spatially variant mixht from MIXEMUP

- 88S-DW-MXV DWM wind-fields and spatially variant mixht from MIXEMUP
- 88S-DW-MXV DWM wind-fields and spatially variant mixht from MIXEMUP
- 88S-DW-MXV DWM wind-fields and spatially variant mixht from MIXEMUP

a) Matrix 88I-RW-RXC

The base case used wind-fields from ROM-UAM interface and mixing height developed from PCRAMMET algorithm. Maximum ozone prediction for the base case was 377 ppb. At 25 and 50 percent VOC reduction, increase in NO_x reduction proved beneficial in decreasing the ozone maxima. On the other hand, with a 75 percent VOC reduction, there was an increase in ozone maxima from 202 ppb to 229 and 236 ppb. Results are summarized in Tables 1 – 4.

b) Matrix 88I-RW-MXC

The meteorology used here was ROM-UAM wind-fields and spatially invariant mixing height from MIXEMUP algorithm. 304 ppb was the maximum ozone prediction for the base case. Here again, at a 75 percent VOC reduction, increasing NO_x reduction proved counter-beneficial in reducing ozone maxima. At NO_x reductions of 25, 50 and 75 percent, the ozone maxima predicted were 173, 181 and 189 ppb respectively. Results are summarized in Tables 5 – 8.

c) Matrix 88I-DW-MXC

Wind-fields from DWM and spatially invariant mixing height from MIXEMUP were used in this set of matrix simulations and the maximum ozone predicted for the base case was 239 ppb. NO_x reductions proved counter-beneficial at all levels of VOC reductions here. Ozone maxima predicted actually increased in each case, with increased NO_x reduction. Results are summarized in Tables 9 – 12.

d) Matrix 88I-DW-MXV

DWM wind-fields were used here also, but the MIXEMUP mixing height was spatially varying across the domain. Maximum ozone predicted was 288 ppb in this base case. In this set of simulations, at 50 and 75 percent VOC reductions, NO_x reductions were proving counter-beneficial. At

a 25 percent VOC reduction, ozone maxima increased from 239 to 260 ppb when NO_x was reduced by 25 and 50 percent, while the maximum was 231 ppb at a 75 percent NO_x reduction. Results are summarized in Tables 13 – 16 and in Figure 7.

e) Matrix 88S-RW-MXV

As against EPA 1988 interim emissions inventory in the above 4 sets, the base 1990 emissions inventories developed by the states were used in this and the next set of simulations. The meteorology used here was wind-fields from ROM-UAM interface and spatially varying mixing height from MIXEMUP. 199 ppb was the maximum ozone predicted in the base case. Here at all levels of VOC controls, increase in NO_x reductions helped in decreasing ozone maxima in the domain. At an extreme level of 75 percent reduction in both NO_x and VOC, the maximum ozone prediction was 117 ppb (attainment of NAAQS for ozone). Results are summarized in Tables 17 – 20 and in Figure 8.

f) Matrix 88S-DW-MXV

Wind-fields from DWM were used here as against to ROM-UAM in the previous set. A domain-wide ozone maximum of 201 ppb was predicted in the base case. The trends in ozone predictions here was quite different, compared to Matrix 1s. NO_x controls again proved counter-beneficial at all levels of VOC controls. At 50 percent VOC reduction, consistent increase in ozone maxima was seen with increase in NO_x reductions, while at 25 and 75 percent VOC reductions, ozone maxima increased and then decreased with NO_x reductions of 25, 50 and 75 percent respectively. Results are summarized in Tables 21 – 24 and in Figure 9.

To better quantify the formation of ozone from emissions within the domain versus those outside, two sets of matrix simulations were performed, the first where the emissions within the domain were maintained at a constant level and emissions were reduced only at the boundaries and vice-versa in the second set of simulations.

Matrix 88S-DW-MXV-EMV and 88S-DW-MXV-BCV

The meteorology and emissions inventories used in these two sets are the same as in matrix 88S-DW-MXV. For matrix 88S-DW-MXV-BCV, the emissions within the domain were maintained at constant base levels in all the simulations, while the boundary conditions in each case, with various reductions, were used from the corresponding ROM Matrix 85 simulations. In the case of matrix 88S-DW-MXV-EMV, the boundaries were maintained at constant levels, while the emissions were reduced by various ratios in each simulation. As against in the case of 88S-DW-MXV, disbenefits from NO_x reductions are not seen in 88S-DW-MXV-BCV, and are observed only in 88S-DW-MXV-EMV simulations. But the persistence and severity values indicate that both NO_x and VOC reductions reduce the peak O_3 prediction uniformly. Overall, the persistence and severity values are higher in the case of matrix 88S-DW-MXV-EMV than in 88S-DW-MXV-BCV, indicating that when emissions within the domain are left untouched, reductions from transport alone do not decrease the severity of exposure to ozone. Tables 25 – 32 provide summaries of these two sets of simulation outputs.

Table 1: Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-RXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	377				186
	25 %		329	290	202	
	50 %		314	272	229	
	75 %		263	260	236	
	100 %	33				33

Table 2: Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-RXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	0				50.6
	25 %		12.7	23.1	46.4	
	50 %		16.7	27.8	39.2	
	75 %		30.2	31.1	37.4	
	100 %	91.2				91.2

Table 3: Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-RXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.143
	25 %		0.674	0.547	0.312	
	50 %		0.477	0.426	0.297	
	75 %		0.198	0.214	0.193	
	100 %	0				0

Table 4: Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-RXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.118
	25 %		0.679	0.509	0.269	
	50 %		0.499	0.423	0.267	
	75 %		0.211	0.209	0.182	
	100 %	0				0

Table 5: Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-MXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	304				122
	25 %		271	231	173	
	50 %		261	229	181	
	75 %		223	213	189	
	100 %	26				26

Table 6: Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-MXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	0				59.9
	25 %		10.9	24.1	43.1	
	50 %		14.1	24.6	40.5	
	75 %		26.6	29.9	37.8	
	100 %	91.4				91.4

Table 7: Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-MXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.060
	25 %		0.581	0.614	0.154	
	50 %		0.417	0.336	0.158	
	75 %		0.171	0.160	0.126	
	100 %	0				0

Table 8: Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-RW-MXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.053
	25 %		0.598	0.379	0.141	
	50 %		0.448	0.341	0.146	
	75 %		0.175	0.162	0.121	
	100 %	0				0

Table 9: Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	239				138
	25 %		220	174	143	
	50 %		239	201	142	
	75 %		235	192	169	
	100 %	26				27

Table 10: Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	0.0				42.3
	25 %		8.0	27.2	40.2	
	50 %		0.0	15.9	40.6	
	75 %		1.7	19.7	29.3	
	100 %	89.1				88.7

Table 11: Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.025
	25 %		0.605	0.346	0.087	
	50 %		0.444	0.265	0.068	
	75 %		0.204	0.167	0.064	
	100 %	0				0

Table 12: Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXC

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.022
	25 %		0.598	0.323	0.079	
	50 %		0.456	0.256	0.060	
	75 %		0.211	0.166	0.060	
	100 %	0				0

Table 13: Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	288				139
	25 %		239	199	164	
	50 %		260	211	169	
	75 %		231	218	173	
	100 %	35				36

Table 14: Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	0				51.7
	25 %		17.0	30.9	43.1	
	50 %		9.7	26.7	41.3	
	75 %		19.8	24.3	39.9	
	100 %	87.7				87.5

Table 15: Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.017
	25 %		0.692	0.462	0.190	
	50 %		0.421	0.294	0.124	
	75 %		0.117	0.093	0.042	
	100 %	0				0

Table 16: Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88I-DW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.015
	25 %		0.665	0.427	0.165	
	50 %		0.408	0.272	0.108	
	75 %		0.117	0.091	0.038	
	100 %	0				0

Table 17: Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-RW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	199				135
	25 %		178	167	151	
	50 %		161	153	139	
	75 %		153	140	117	
	100 %	35				36

Table 18: Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-RW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	0.0				32.2
	25 %		10.6	16.1	24.1	
	50 %		19.1	23.1	30.2	
	75 %		23.1	29.6	41.2	
	100 %	82.4				81.9

Table 19: Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-RW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.020
	25 %		0.390	0.200	0.060	
	50 %		0.240	0.130	0.030	
	75 %		0.030	0.010	0.000	
	100 %	0				0

Table 20: Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-RW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.020
	25 %		0.390	0.190	0.060	
	50 %		0.230	0.120	0.030	
	75 %		0.030	0.010	0.000	
	100 %	0				0

Table 21: Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	201				127
	25 %		192	156	134	
	50 %		222	181	133	
	75 %		194	189	155	
	100 %	26				26

Table 22: Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	0				36.8
	25 %		4.5	22.4	33.3	
	50 %		0.0	10.0	33.8	
	75 %		3.5	6.0	22.9	
	100 %	87.1				87.1

Table 23: Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.000
	25 %		0.300	0.150	0.030	
	50 %		0.230	0.120	0.020	
	75 %		0.090	0.070	0.030	
	100 %	0				0

Table 24: Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.000
	25 %		0.300	0.150	0.020	
	50 %		0.240	0.120	0.020	
	75 %		0.100	0.070	0.030	
	100 %	0				0

Table 25: Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-EMV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	201				148
	25 %		198	173	161	
	50 %		229	195	157	
	75 %		203	197	173	
	100 %	143				143

Table 26: Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-EMV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	0				26.3
	25 %		1.5	13.9	19.9	
	50 %		-13.9	3.0	21.9	
	75 %		-1.0	2.0	13.9	
	100 %	28.9				28.9

Table 27: Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-EMV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.36
	25 %		0.73	0.60	0.45	
	50 %		0.64	0.53	0.39	
	75 %		0.39	0.35	0.28	
	100 %	0.06				0.06

Table 28: Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-EMV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.34
	25 %		0.73	0.58	0.44	
	50 %		0.65	0.52	0.37	
	75 %		0.39	0.35	0.27	
	100 %	0.05				0.05

Table 29: Ozone maxima (ppb) from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-BCV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	201				188
	25 %		194	191	188	
	50 %		190	187	184	
	75 %		186	182	179	
	100 %	189				167

Table 30: Percent decrease in ozone maxima from base case from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-BCV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	0				6.5
	25 %		3.5	5.0	6.5	
	50 %		5.5	7.0	8.5	
	75 %		7.5	9.5	11.0	
	100 %	6.0				16.9

Table 31: Persistence metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-BCV

Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.33
	25 %		0.40	0.34	0.30	
	50 %		0.28	0.25	0.21	
	75 %		0.18	0.16	0.14	
	100 %	0.18				0.05

Table 32: Severity metrics from UAM simulations on July 7, 1988 for Matrix Sensitivity Simulations 88S-DW-MXV-BCV

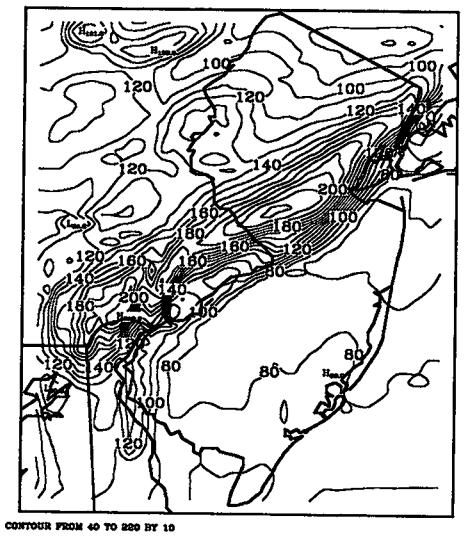
Reduction		VOC				
		0 %	25 %	50 %	75 %	100 %
NOx	0 %	1.0				0.33
	25 %		0.41	0.34	0.30	
	50 %		0.28	0.25	0.21	
	75 %		0.18	0.16	0.14	
	100 %	0.18				0.05

Table 33: Output Metrics from Future Year Simulations in the New Jersey–Philadelphia–Delaware Valley for July 1988 episode.

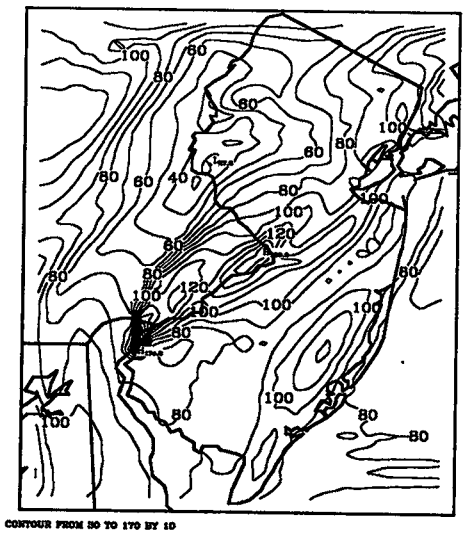
Sensitivity Category	Scenario Name	% Reductions NO_x	% Reductions VOC	Max 1-Hr O_3 (ppb)	Persistence	Severity
Emissions	Base 1988	0	0	239	4198	597.3
from	CS-NJ1	100	100	232	6993	852
NJ	CS-NJ2	0	0	199	2773	314
	Base 1988	0	0	239	4198	597.3
Area	CS-A1	50	0	271	3329	449
	CS-A2	0	50	199	2645	353
	Base 1988	0	0	239	4198	597.3
Point	CS-P1	50	0	243	4063	583
	CS-P2	0	50	239	4128	586
	Base 1988	0	0	288	4238	623.4
Biogenic	CS-B1	50	50	251	4310	624.8
	CS-B2	+200	+200	275	5608	825.5
	CS-B3	+300	+300	287	6129	915

Table 34: Sensitivity analyses to compare changes in daily maximum O_3 concentrations per unit reduction of NO_x or VOC from elevated versus ground level sources, from UAM simulations (with 1988/1990 state emissions) for July 7, 1988

Sensitivity Category	Scenario Name	Tons Reduced NO_x	Tons Reduced VOC	mol-C Ratio in Domain VOC / NO_x	Max 1-hr O_3 conc ppb	P_{120} Ratio	S_{120} Ratio
	Base 1988	0	0	3.42	204	1	1
	CS-GE1	1000	0	4.43	243	0.802	0.818
Ground	**CS-GE3**	0	1000	2.84	172	0.750	0.738
	CS-GE5	1000	1000	3.68	216	0.697	0.699
	CS-GE2	1000	0	4.38	233	0.964	0.976
Elevated	**CS-GE4**	0	38	3.40	208	1.010	1.011
	CS-GE6	1000	38	4.35	229	0.957	0.967

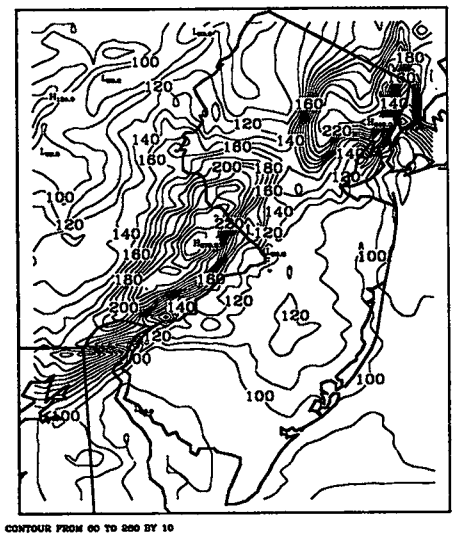


(a) No emissions from New Jersey

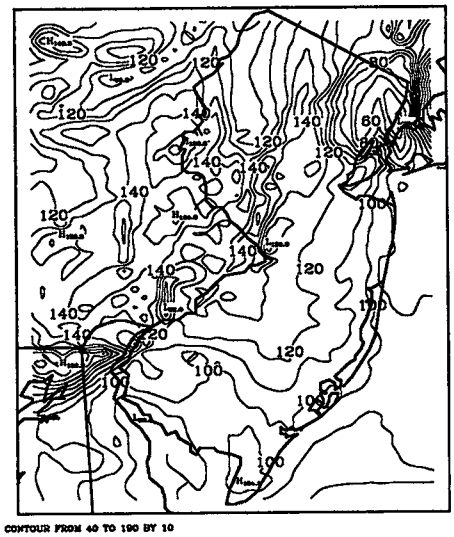


(b) No emissions from outside New Jersey

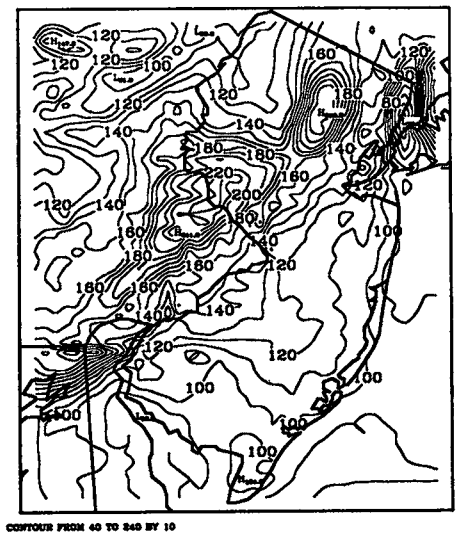
Figure 1: Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988 EPA interim emissions) to study effect of emissions from New Jersey alone.



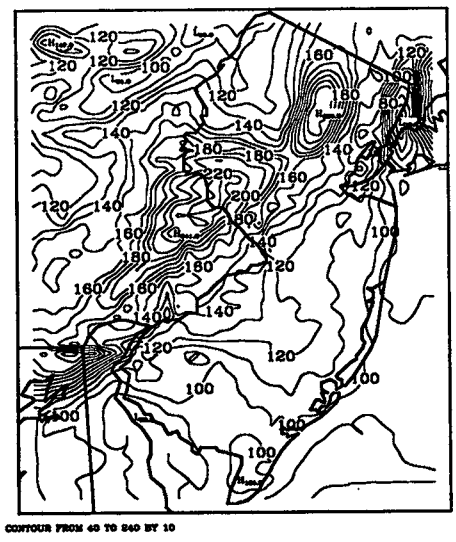
(a)50 % of Area NO_x emissions



(b)50 % of Area VOC emissions

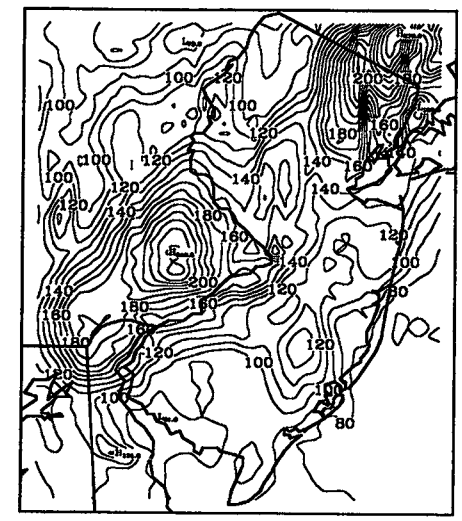


(c)50 % of Point NO_x emissions

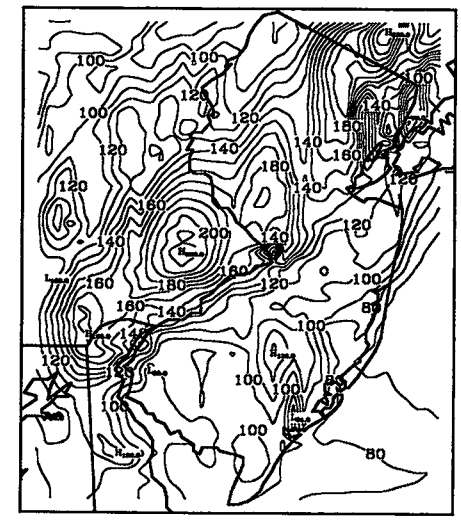


(c)50 % of Point VOC emissions

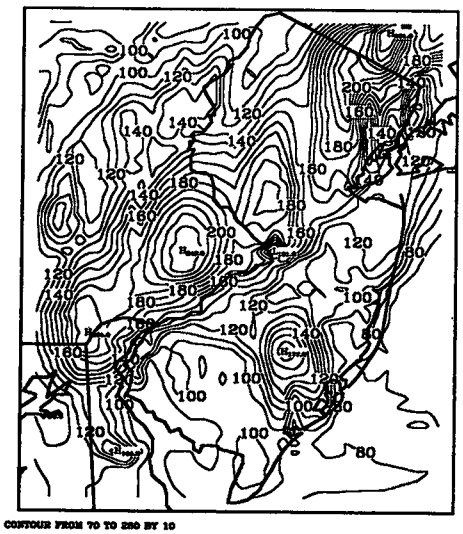
Figure 2: Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988 EPA interim emissions) to study effect of reductions from Area versus Point sources.



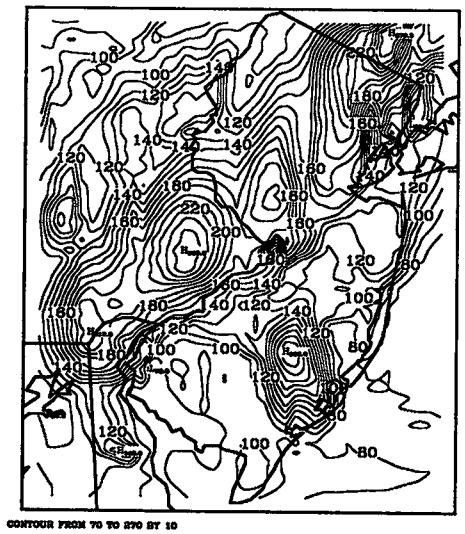
(a) Base Case



(b) 50 % Biogenic emissions

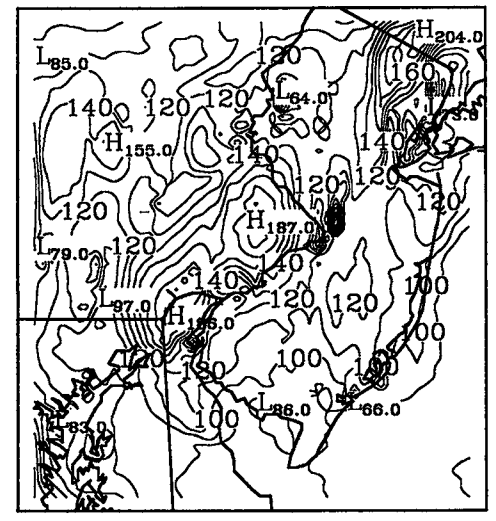


(c) 200 % Biogenic emissions

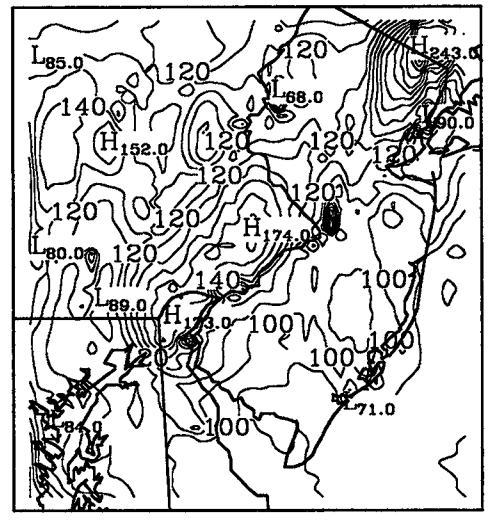


(d) 300 % Biogenic emissions

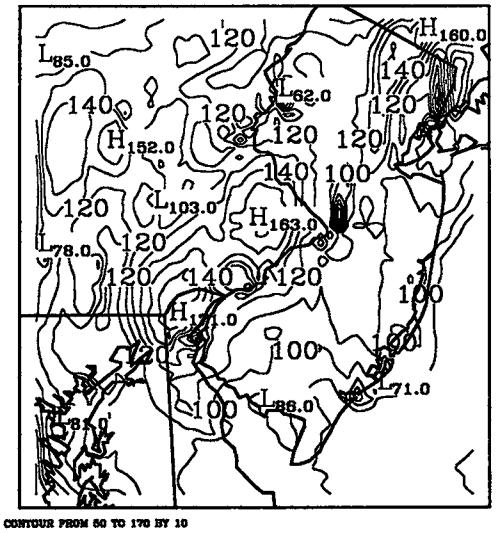
Figure 3: Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988 EPA interim emissions) to study effect of changes in emissions from biogenic sources.



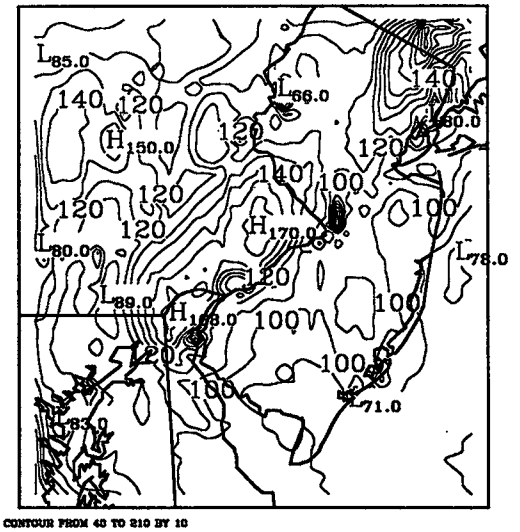
(a) Base Case



(b) 1000 T Ground NO_x

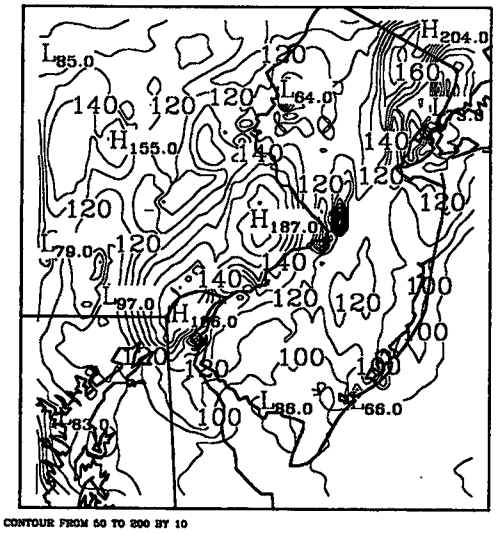


(c) 1000 T Ground VOC

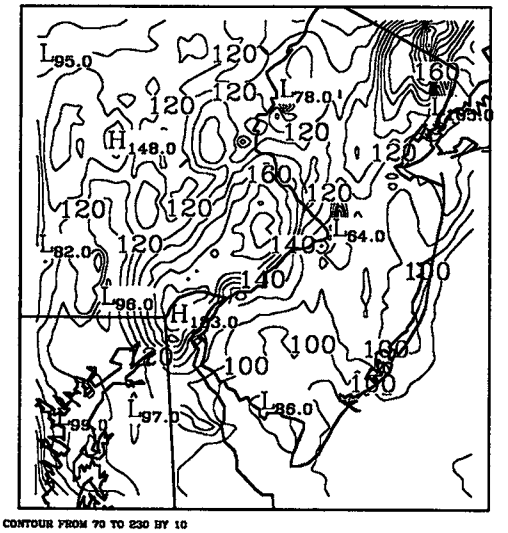


(d) 1000 T Ground $NO_x$and VOC

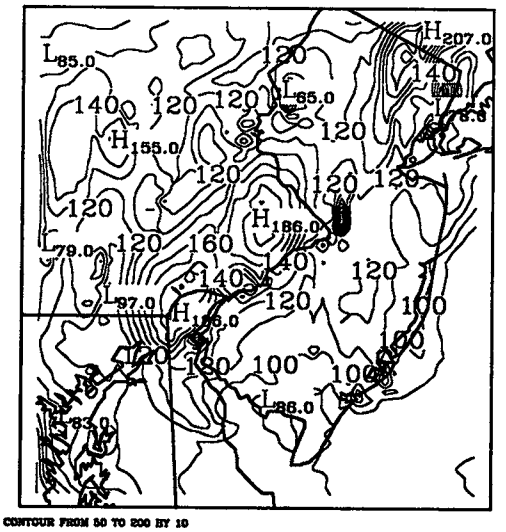
Figure 4: Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988/1990 state emissions) to study effect of reductions from ground level versus elevated sources.



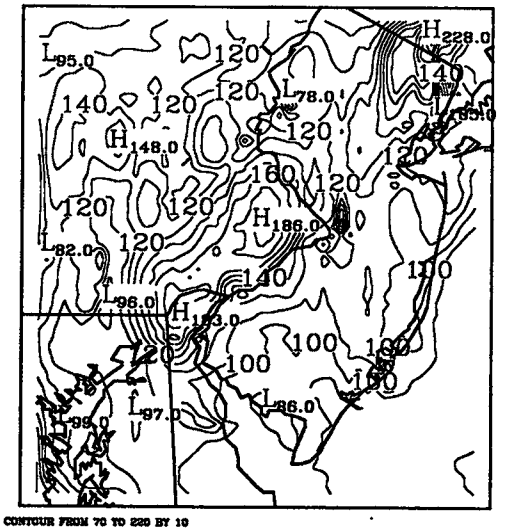
(a) Base Case



(b) 1000 T Elevated NO_x

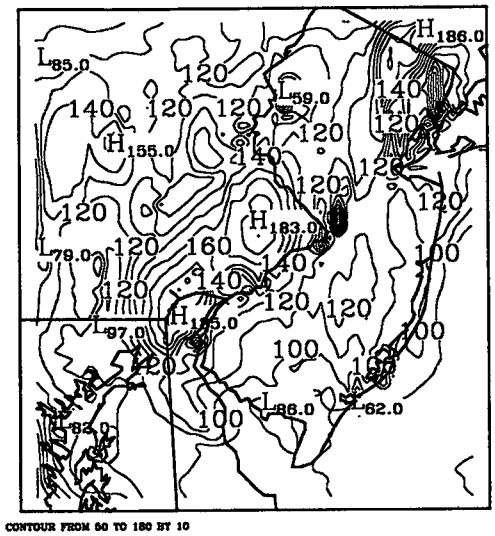


(c) 38 T Elevated VOC

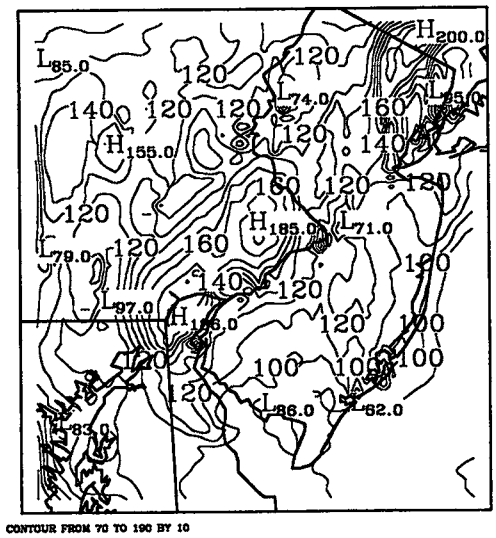


(d) 1000 T Elevated NO_x and 38 T VOC

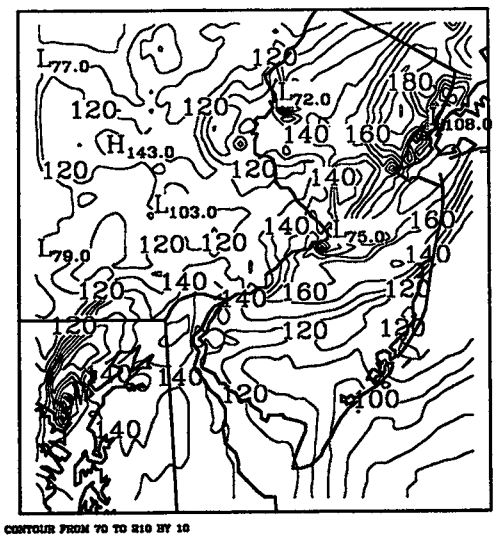
Figure 5: Daily maximum O_3 concentrations on July 7, 1988 from sensitivity UAM simulations (using 1988/1990 state emissions) to study effect of reductions from ground level versus elevated sources.



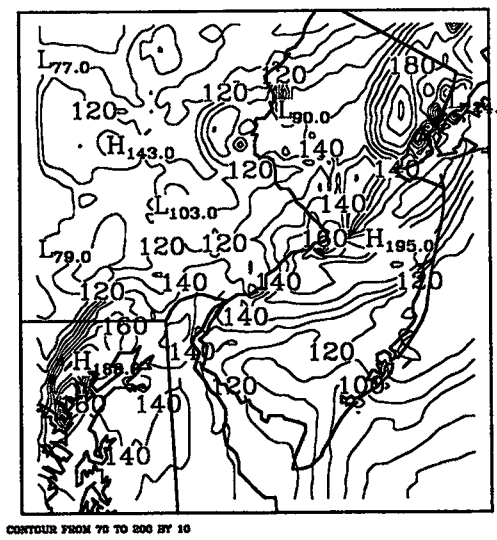
(a) July 7 Base Case



(b) July 7 (Day Specific Emissions)

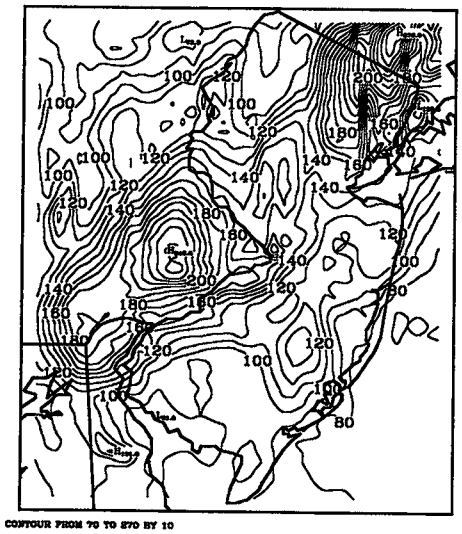


(c) July 8 Base Case

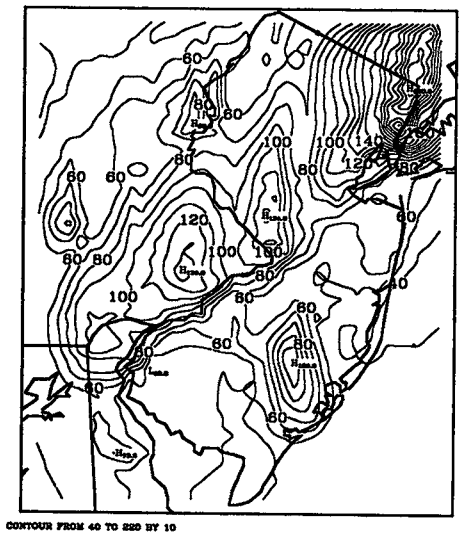


(d) July 8 (Day Specific Emissions)

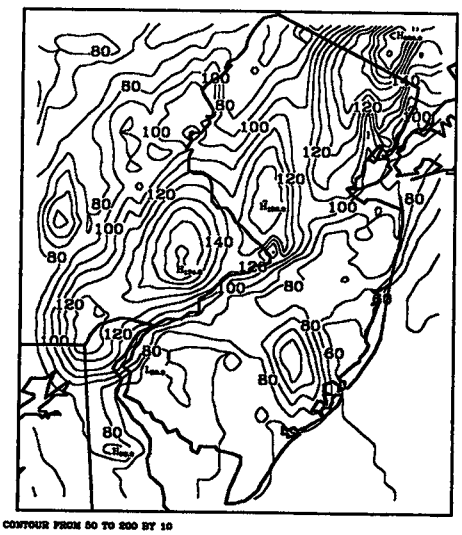
Figure 6: Daily maximum O_3 concentrations on July 7 and 8, 1988 from sensitivity UAM simulations to compare effects of default estimates for major utilities versus day-specific emissions estimates.



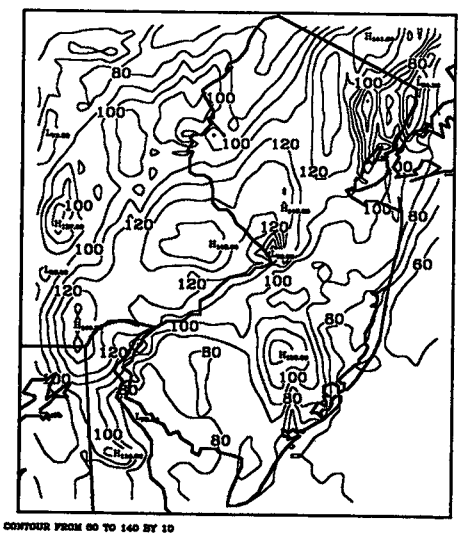
(a) Base Case



(b) VOC by 25 % and NO_x by 75 %

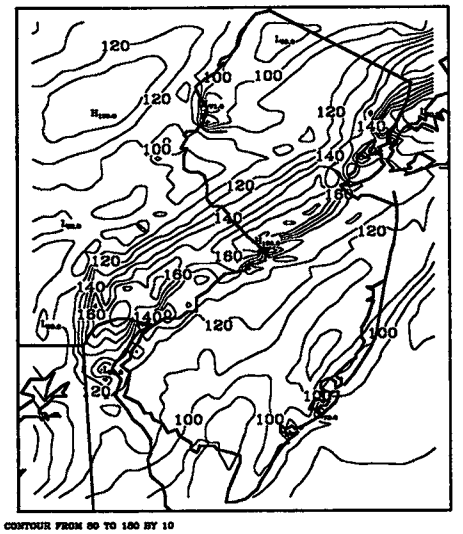


(c) VOC by 50 % and NO_x by 50 %



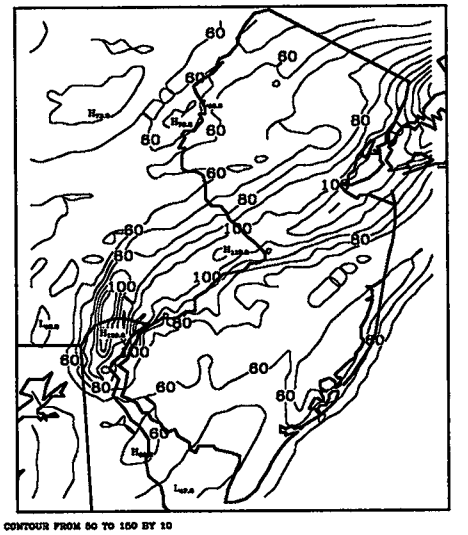
(d) VOC by 75 % and NO_x by 25 %

Figure 7: Daily maximum O_3 concentrations on July 7, 1988 from Matrix set of UAM simulations 88I-DW-MXV (using 1988 EPA interim emissions, DWM wind-fields and spatially varying mixing height from MIXEMUP).



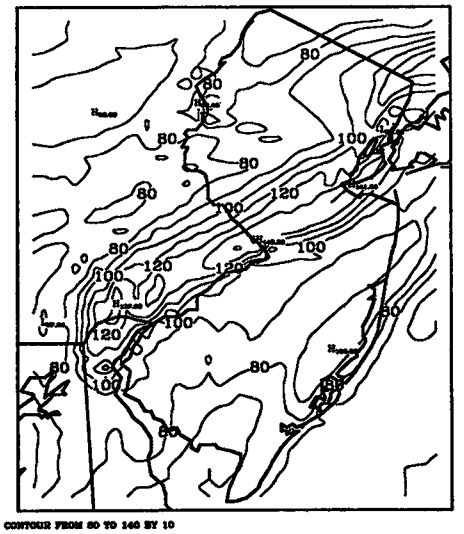
CONTOUR FROM 80 TO 180 BY 10

(a) Base Case



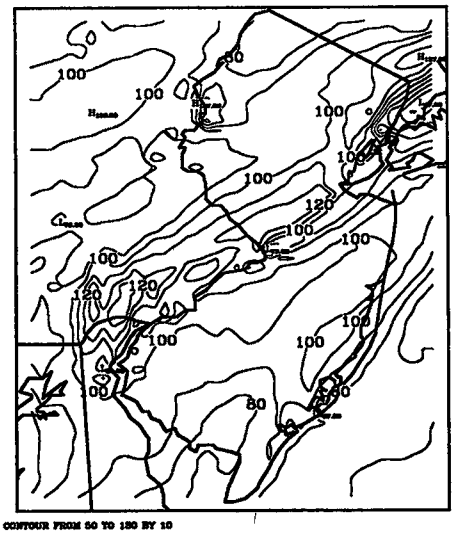
CONTOUR FROM 60 TO 150 BY 10

(b) VOC by 25 % and NO_x by 75 %



CONTOUR FROM 80 TO 140 BY 10

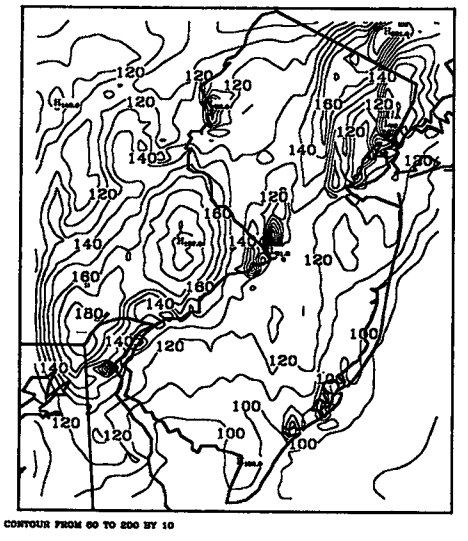
(c) VOC by 50 % and NO_x by 50 %



CONTOUR FROM 80 TO 120 BY 10

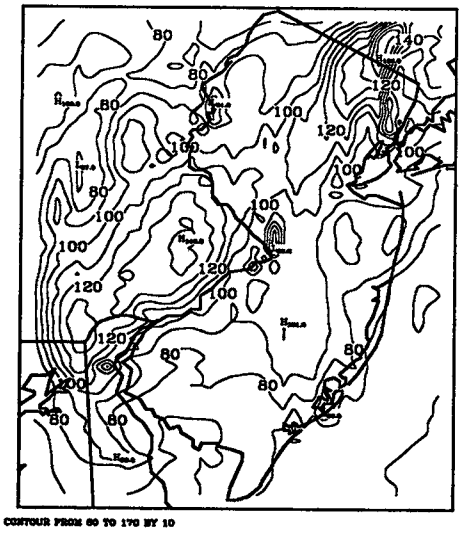
(d) VOC by 75 % and NO_x by 25 %

Figure 8: Daily maximum O_3 concentrations on July 7, 1988 from Matrix set of UAM simulations 88S-RW-MXV (using 1988/1990 state emissions, ROM wind-fields and spatially varying mixing height from MIXEMUP).

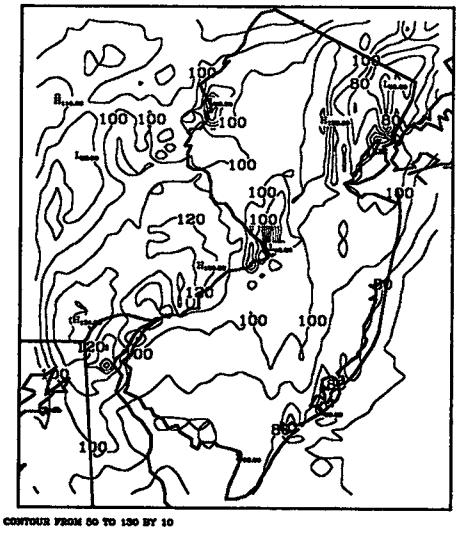


(a) Base Case

(b) VOC by 25 % and NO_x by 75 %

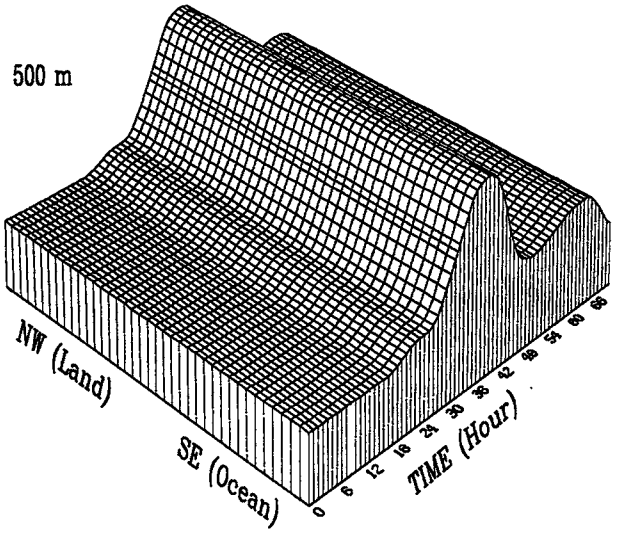


(c) VOC by 50 % and NO_x by 50 %

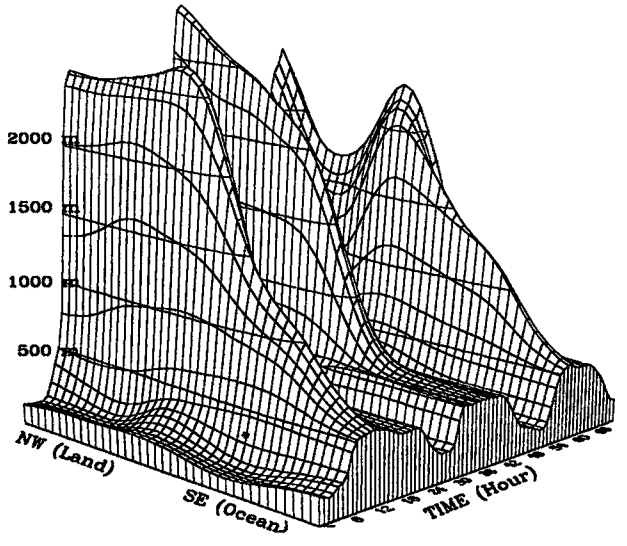


(d) VOC by 75 % and NO_x by 25 %

Figure 9: Daily maximum O_3 concentrations on July 7, 1988 from Matrix set of UAM simulations 88S-DW-MXV (using 1988/1990 state emissions, DWM wind-fields and spatially varying mixing height from MIXEMUP).



(a) RAMMET-X



(b) MIXEMUP

Figure 10: Spatially and diurnally varying mixing height profiles developed from (a) RAMMET-X and (b) MIXEMUP algorithms for July 6–8, 1988 in the domain

PART II: SENSITIVITY SIMULATIONS FOR FUTURE ATTAINMENT YEAR

4 Sensitivity Study with OTC Strategies

Projection factors for emissions inventories from the episode base years to the future year base cases were not available from the individual state agencies. For these cases, emissions were obtained from ROM projections, that were used in ROM modeling runs for the OTC study Point and area source information were available in EPS2.0 format and were downloaded from EPA's NCCIBM. The approach here was to project 1990 VMT factors provided by EPA, and project them to 2005 and use mobile emission factors for 2005 based on MOBILE-5a runs. The mobile emissions factors contained information for various mobile emission controls (RVP's, I/M, LEV, Reform,etc.).

4.1 2005 CAAA Base Case

The revised 2005 CAAA base case included the following major controls:

- updates to stationary source VOC controls (expected from implementation of Titles I and III),
- updates to stationary source NOx controls,
- updates to the reformulated gasoline emission reduction analysis,
- the addition of controls on nonroad engines,
- new approach for modeling emissions offsets and rate-of-progress requirements.

4.2 OTC Control Strategy E

In addition to the CAAA controls modeled in the base case, two other major controls were added throughout the ROM domain.

- Phase II NOx RACT, i.e., a limit of 0.15 lb/mmBtu NOx emission limit for all combustion sources with generating capacities greater than or equal to 250 mmBtu/hr,
- Low Emissions Vehicle(LEV) program.

4.3 OTC Control Strategy C2

This was the same as Control Strategy E, with the exception that the additional controls were applied throughout the ozone transport region. The emissions files used in UAM runs for this strategy were the same as that for strategy E, with the difference being only in the boundary and initial conditions from ROM. After processing through EPS2.0, emissions from different source categories for the 2005 base case and control strategy scenarios are compared for the two episodes in Tables 35 and 36. For the two episodes extending from July 6-8, 1988 and July 18-20, 1991, UAM simulations were performed for 3 scenarios:

- Revised 2005 CAAA base Case
- OTC control strategy E and
- OTC control strategy C2

The results presented here are for a regulatory sub-domain, which excluded 4 cells from the NE corner of the UAM domain, to eliminate potential influence from ROM boundaries in the metropolitan New York area. The three main factors that were looked into were: The results from ROM2.2 are shown in Table 37 and the results from Results from UAM-IV simulations are presented in Table 38 and 39. It should be noted that the base case 1988 was performed using state 1990 base year

emissions inventories, while the three future year runs employed EPA interim 1988 emissions inventories. Though the domain-wide ozone maxima on July 7, 1988 went down from 185 to 179 between 1988 base case and 2005 base case, the control strategies did not give any significant reduction. The same pattern is observed on July 8 as well. Results for July 19 do not show much decrease in ozone maxima between the base year and future year scenarios. But for July 20, ozone maxima went down from 190 ppb to 161 ppb between the 1991 base case and 2005 base cases. Control Strategy C2 predicted a maximum of 157 ppb, while control strategy E predicted an ozone maximum of 152 ppb.

5 Sensitivity Study in the 5-county Philadelphia CMSA

To study the effects of emissions reductions only in the 5-county Philadelpia CMSA (Bucks, Chester, Delaware, Montgomery and Philadelphia) versus those outside, a set of sensitivity simulations were designed for the July 18–20, 1991 episode.. Here, the base 1990 emissions from the state-based inventories were used for the part of the modeling domain outside the 5-county CMSA for projecting to the year 2005. Future year emissions estimates for the 5-county area were provided by E. H. Pechan, which were further processed through EPS2.0. The biogenic emissions (from ROM-UAM interface) were maintained at the base 1991 levels in all the sensitivity simulations.

Four sensitivity simulations were performed as part of this study, with varying emissions scenarios for the future year 2005. In all 4 simulations, the boundary conditions from ROM 1991 simulations were changed as follows: reduced VOC (except Isoprene) and NOx by 25 and 50 above 120 ppb at the domain edges to 120 ppb. Emissions from anthropogenic sources in the domain were reduced as follows in the 4 sensitivity simulations:

- PAS Sens1a: VOC and NOx emissions from anthropogenic sources in all counties outside the 5-county Philadelphia CMSA reduced by 25 and 50 % respectively from base 1990 levels and emissions in the 5-county area maintained at base 1991 levels

- PAS Sens2a: Added anticipated reductions by the year 2005 in the 5-county area to PAS Sens1a levels
- PAS Sens3a: NO_x emissions alone in the 5-county area reduced by further 26 % from PAS Sens2a levels
- PAS Sens4a: VOC emissions alone in the 5-county area reduced by further 21%

The results from these simulations are shown in Tables 40 and 41.

6 Matrix Simulations with One-way Nesting

This section contains the list of matrix sensitivity simulations performed with varying regional model used to obtain boundary concentrations in the New Jersey–Philadelphia–Delaware Valley and different emissions inventories, as explained earlier. Figures 11–18 show the maximum ozone concentrations at the edges of the modeling domain for the different scenarios on each of July 19 and 20, and similary Figures 19–28 show the peak ozone predictions from UAM-IV simulations. Figures 29–32 depict the differences in ozone predictions from the various matrix series of simulations performed here.

Table 35: Total emissions within the UAM-IV domain on July 7, 1988.

Source	Emissions (Tons/day)					
	NOx			VOC		
Category	Base 1988	Base 2005	OTC CS-E	Base 1988	Base 2005	OTC CS-E
Area	865.0	737.9	737.9	2145.2	2127.7	2127.7
Mobile	938.5	748.0	625.2	1749.5	477.2	414.1
Point	2630.4	1119.2	694.6	877.9	625.1	625.1
Biogenic	29.1	29.1	29.1	1236.8	1236.8	1236.8
Total	**4463.1**	**2634.2**	**2086.8**	**6009.6**	**4466.7**	**4403.6**

Table 36: Total emissions within the UAM-IV domain on July 19, 1991.

Source	Emissions (Tons/day)					
	NOx			VOC		
Category	Base 1991	Base 2005	OTC CS-E	Base 1991	Base 2005	OTC CS-E
Area	889.7	737.9	737.9	2240.9	2134.5	2134.5
Mobile	997.5	752.8	625.7	1402.2	482.9	393.3
Point	2738.3	1119.2	694.6	901.9	625.1	625.1
Biogenic	32.0	32.0	32.0	1324.3	1324.3	1324.3
Total	**4657.5**	**2642.0**	**2090.2**	**6009.6**	**4566.8**	**4477.2**

Table 37: Daily Maximum 1-Hour O_3 predictions (ppb) within the New Jersey–Philadelphia–Delaware Valleyfrom ROM2.2 simulations in the SUPROXA1 domain.

	1988		1991	
	July 7	July 8	July 19	July 20
Base Case 2005	198	193	160	147
OTC CS-C2	196	187	160	147
OTC-CS-E	196	186	157	143

Table 38: Output Metrics from Future Year Simulations in the New Jersey–Philadelphia–Delaware Valley for July 1988 episode.

Scenario	Max 1-Hr O_3		Persistence		Severity	
	July 7	July 8	July 7	July 8	July 7	July 8
Base Case 1988	185	213	4175	8239	553.1	1126.4
Future Year 2005	179	178	1071	2721	140.8	356.5
OTC-CS-C2	176	178	648	1649	86.7	218.3
OTC-CS-E	176	177	630	1568	84.2	207.4

Table 39: Output Metrics from Future Year Simulations in the New Jersey–Philadelphia–Delaware Valley for July 1991 episode.

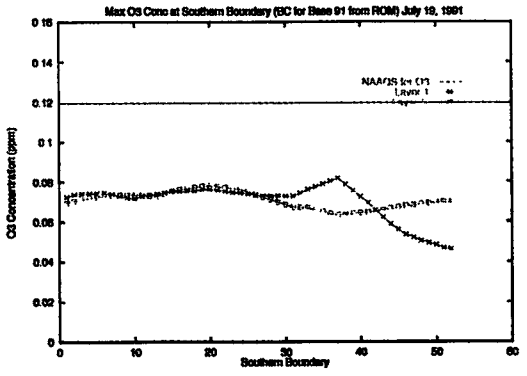
Scenario	Max 1-Hr O_3		Persistence		Severity	
	July 19	July 20	July 19	July 20	July 19	July 20
Base Case 1991	156	190	630	4958	82.1	659.6
Future Year 2005	154	161	654	1473	86.2	191.9
OTC-CS-C2	152	157	625	939	82.2	122.1
OTC-CS-E	151	152	588	766	77.4	99.1

Table 40: Metrics from Future Year 2005 Simulations performed with different emissions scenarios in the 5-county Philadelphia CMSA for July 19.

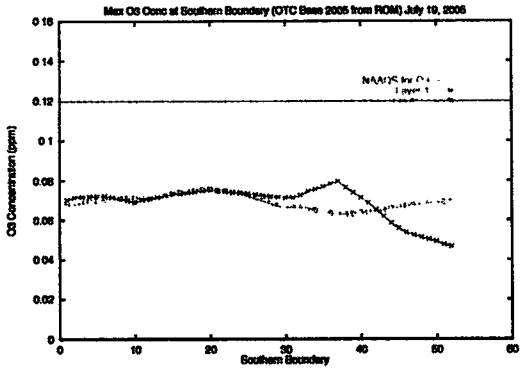
Scenario	Metrics		
	Daily 1-Hr Max Conc (ppb)	Persistence	Severity
Base 1991	155.5	723	93.9
PAS Sens1a	164.9	467	61.4
PAS Sens2a	160.0	388	50.3
PAS Sens3a	160.5	377	48.9
PAS Sens4a	158.9	341	44.1

Table 41: Metrics from Future Year 2005 Simulations performed with different emissions scenarios in the 5-county Philadelphia CMSA for July 20.

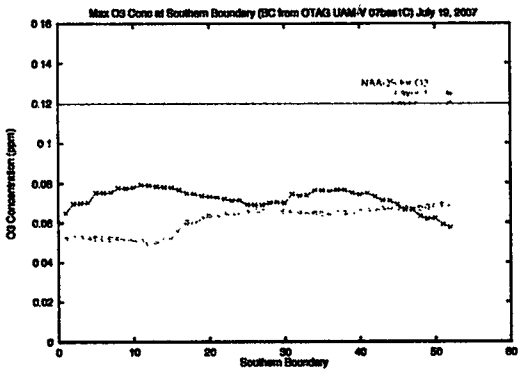
Scenario	Metrics		
	Daily 1-Hr Max Conc (ppb)	Persistence	Severity
Base 1991	190.3	5388	718.8
PAS Sens1a	185.6	1524	198.8
PAS Sens2a	184.5	1409	183.8
PAS Sens3a	184.5	1319	171.2
PAS Sens4a	184.3	1372	178.5



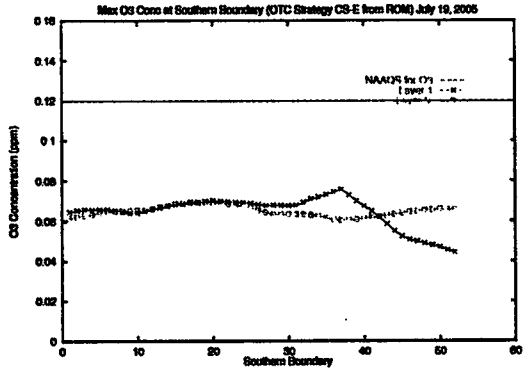
(a) ROM 1991 Base Case



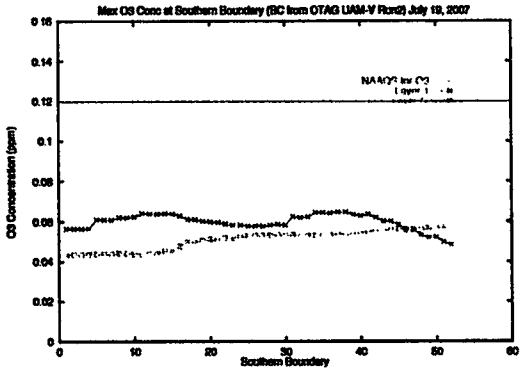
(b) ROM 2005 Base Case



(c) UAM-V 2007 Base1C

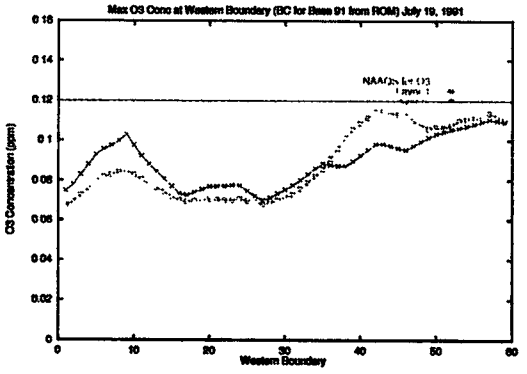


(d) ROM 2005 Strategy E

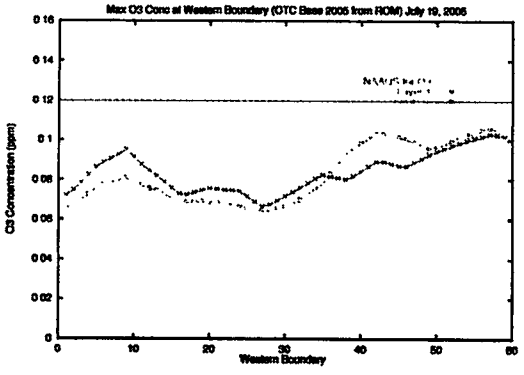


(e) UAM-V Sensitivity Run 2

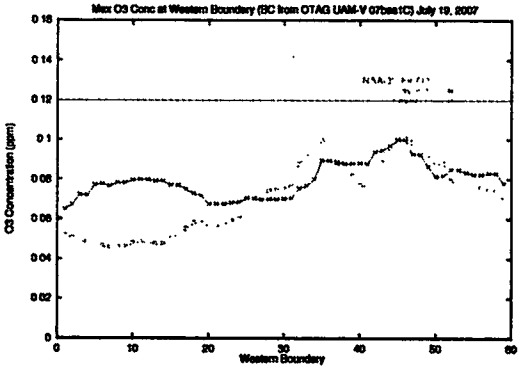
Figure 11: Maximum Ozone Concentrations at Southern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 19 in layers 1 and 5.



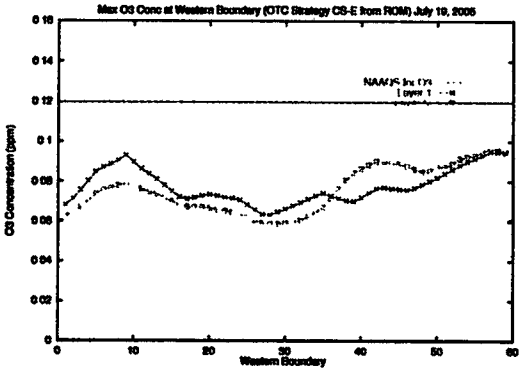
(a) ROM 1991 Base Case



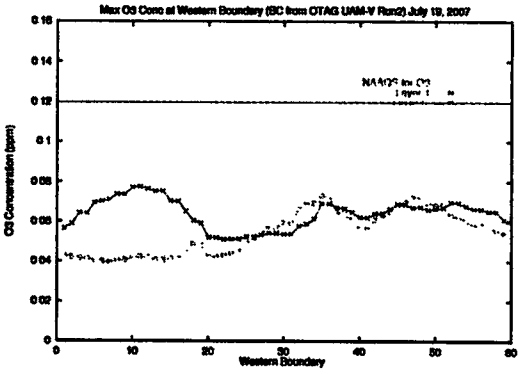
(b) ROM 2005 Base Case



(c) UAM-V 2007 Base1C

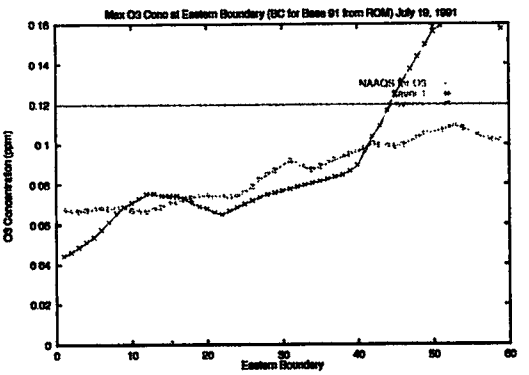


(d) ROM 2005 Strategy E

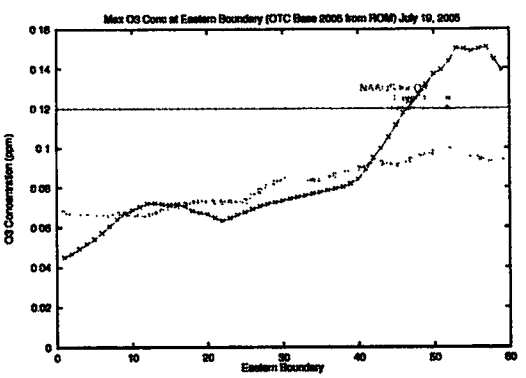


(e) UAM-V Sensitivity Run 2

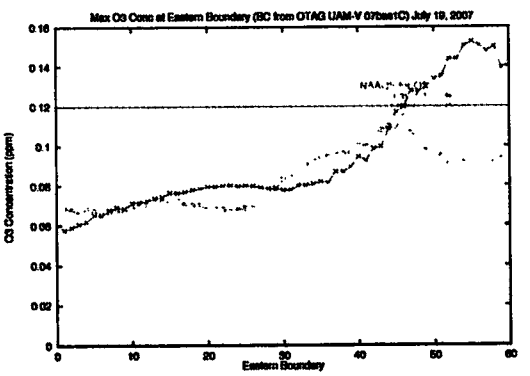
Figure 12: Maximum Ozone Concentrations at Western Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 19 in layers 1 and 5.



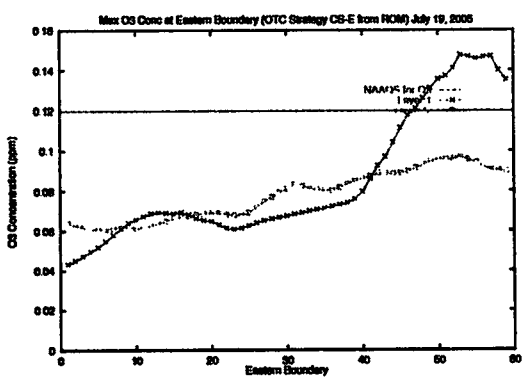
(a) ROM 1991 Base Case



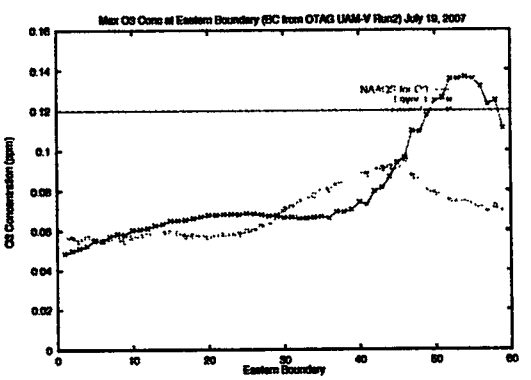
(b) ROM 2005 Base Case



(c) UAM-V 2007 Base1C

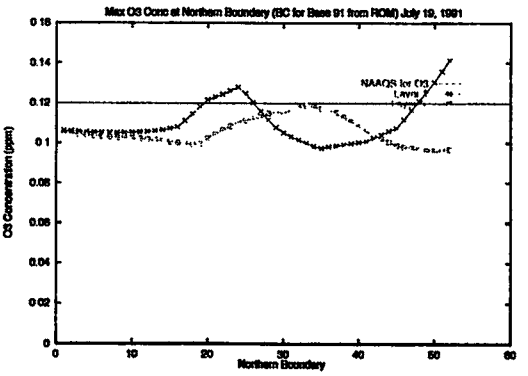


(d) ROM 2005 Strategy E

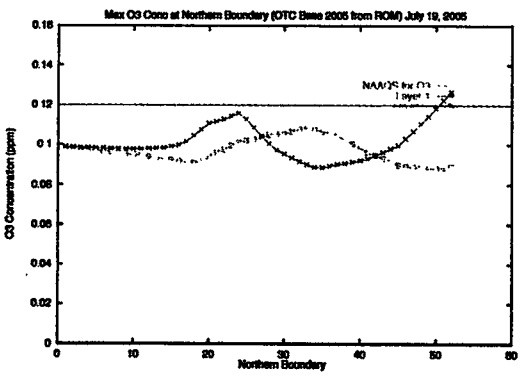


(e) UAM-V Sensitivity Run 2

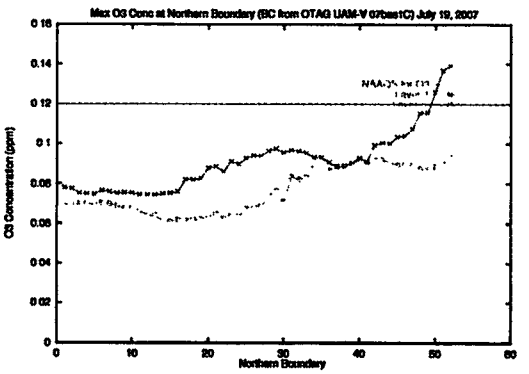
Figure 13: Maximum Ozone Concentrations at Eastern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 19 in layers 1 and 5.



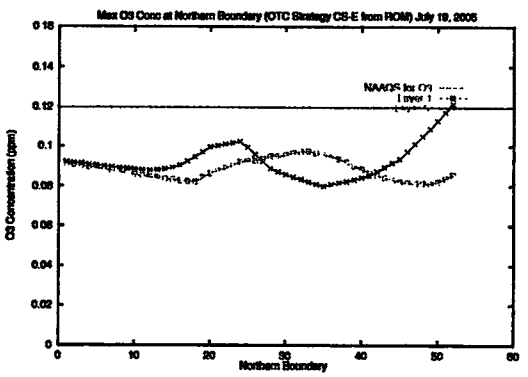
(a) ROM 1991 Base Case



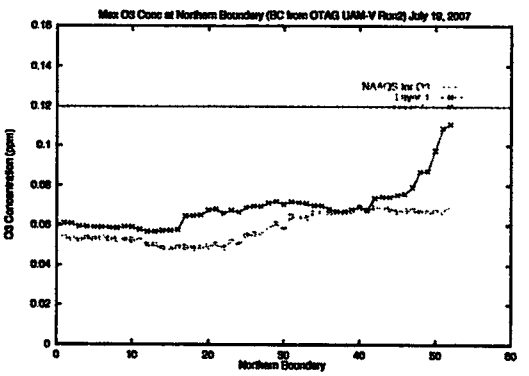
(b) ROM 2005 Base Case



(c) UAM-V 2007 Base1C

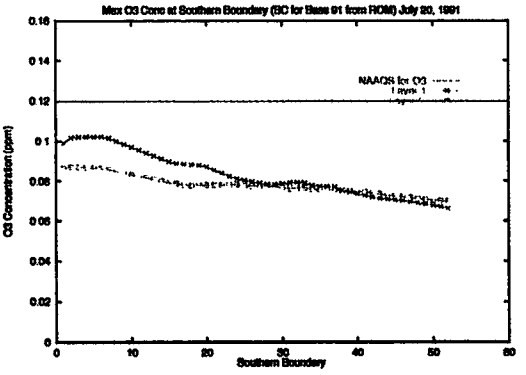


(d) ROM 2005 Strategy E

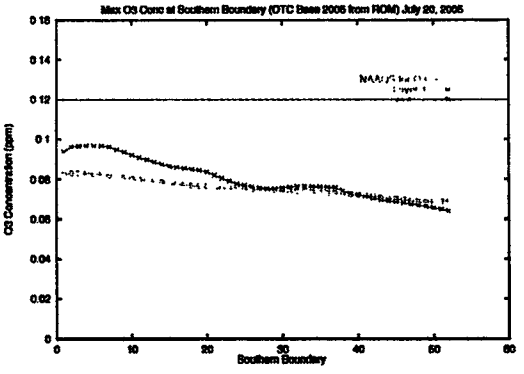


(e) UAM-V Sensitivity Run 2

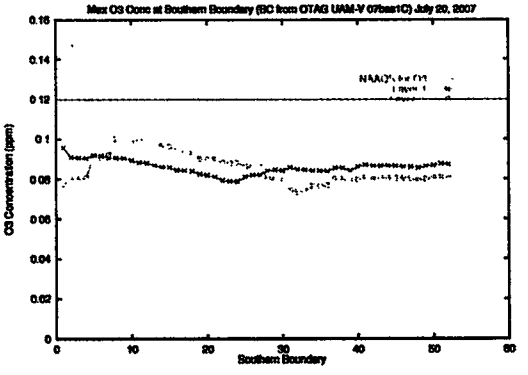
Figure 14: Maximum Ozone Concentrations at Northern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 19 in layers 1 and 5.



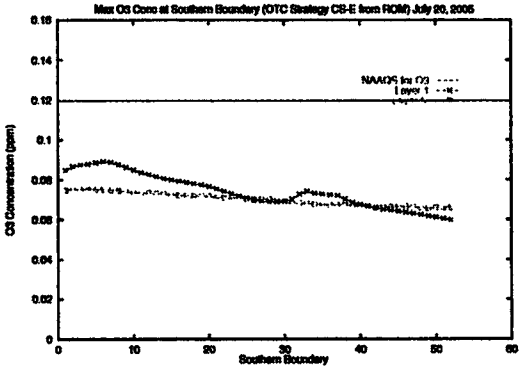
(a) ROM 1991 Base Case



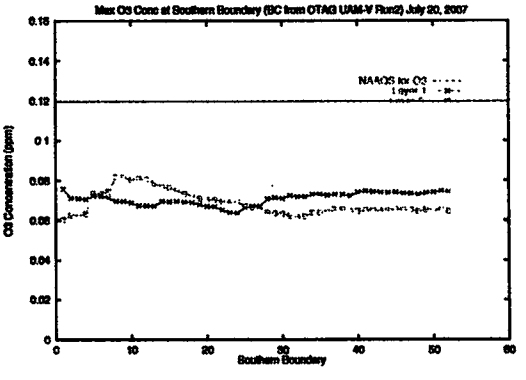
(b) ROM 2005 Base Case



(c) UAM-V 2007 Base1C

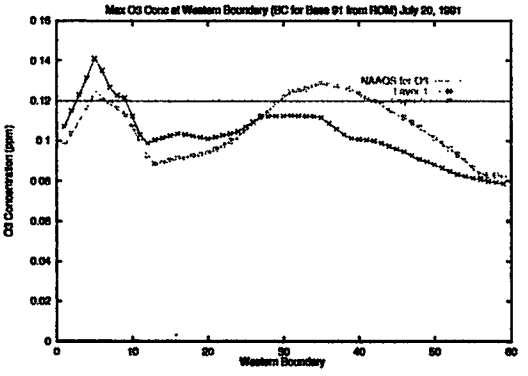


(d) ROM 2005 Strategy E

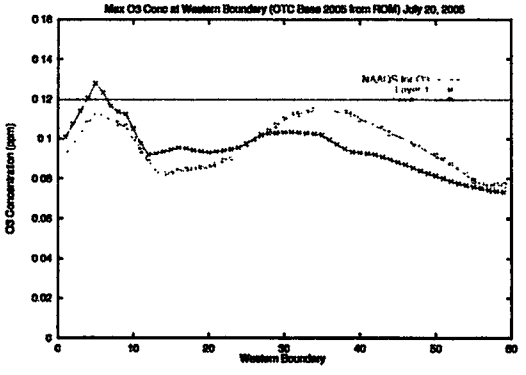


(e) UAM-V Sensitivity Run 2

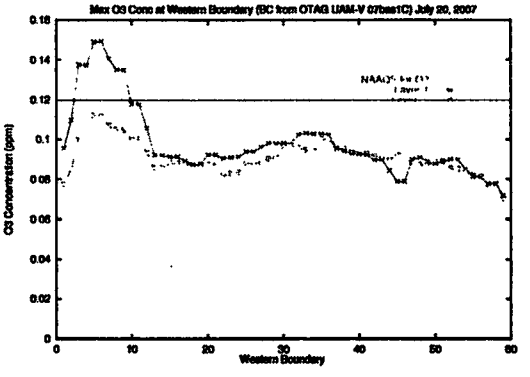
Figure 15: Maximum Ozone Concentrations at Southern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 20 in layers 1 and 5.



(a) ROM 1991 Base Case



(b) ROM 2005 Base Case



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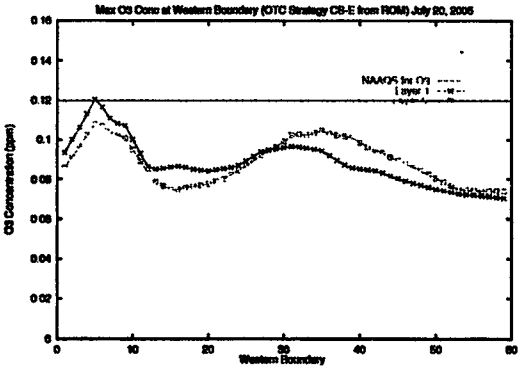
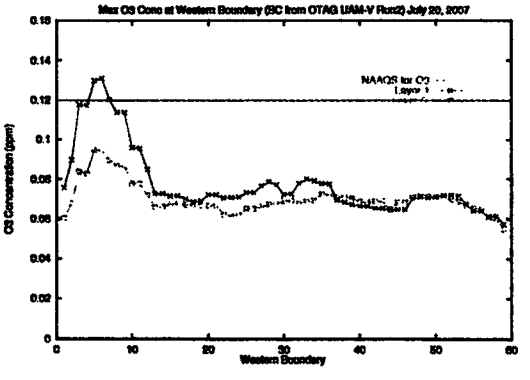
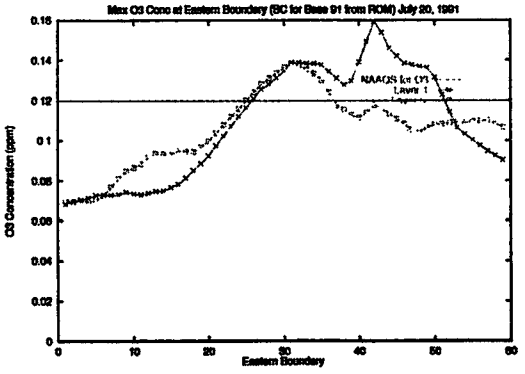


(d) ROM 2005 Strategy E

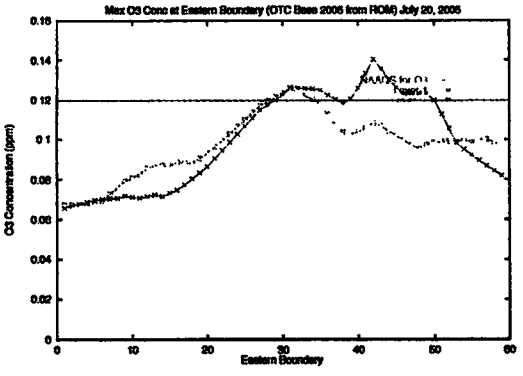


(e) UAM-V Sensitivity Run 2

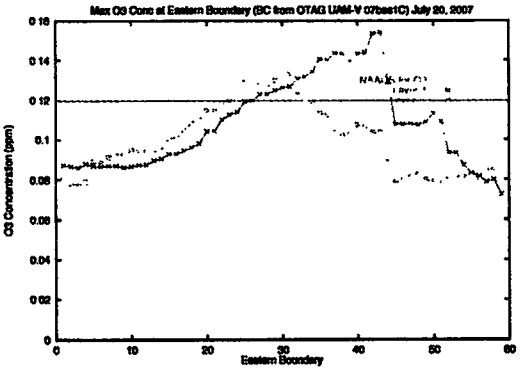
Figure 16: Maximum Ozone Concentrations at Western Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 20 in layers 1 and 5.



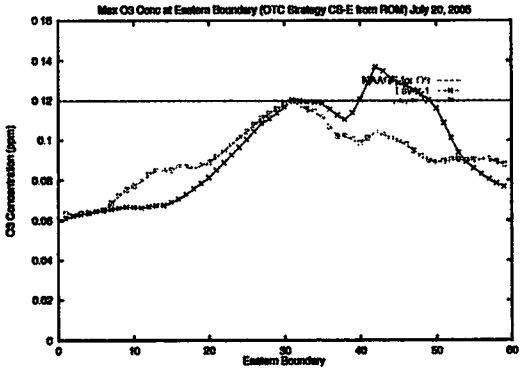
(a) ROM 1991 Base Case



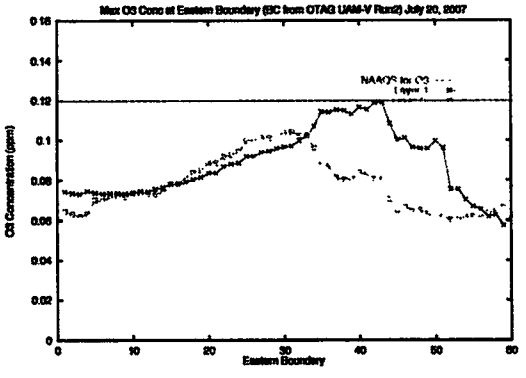
(b) ROM 2005 Base Case



(c) UAM-V 2007 Base1C

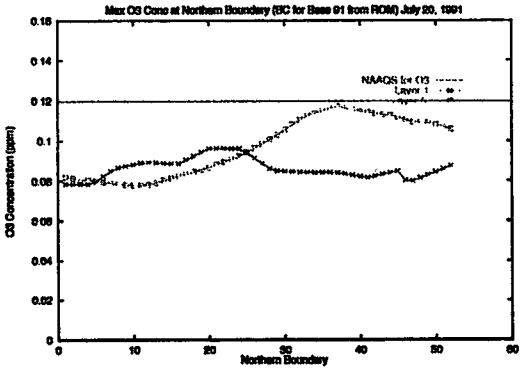


(d) ROM 2005 Strategy E

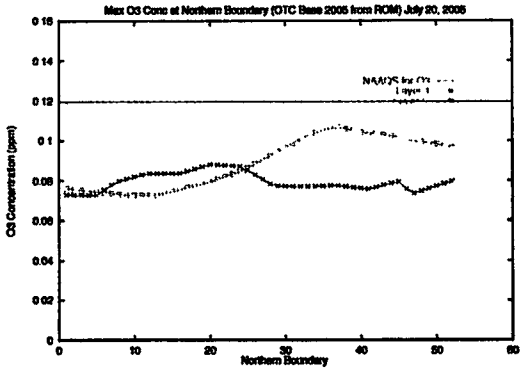


(e) UAM-V Sensitivity Run 2

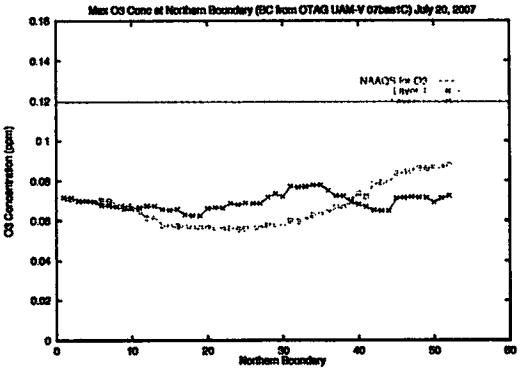
Figure 17: Maximum Ozone Concentrations at Eastern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 20 in layers 1 and 5.



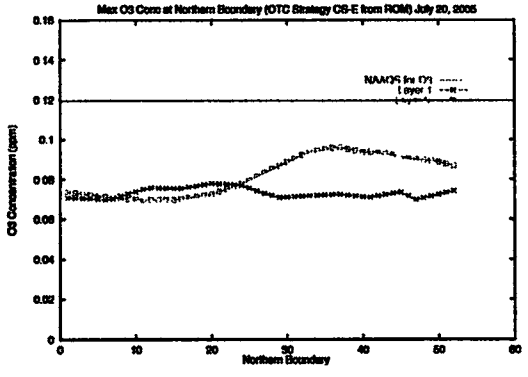
(a) ROM 1991 Base Case



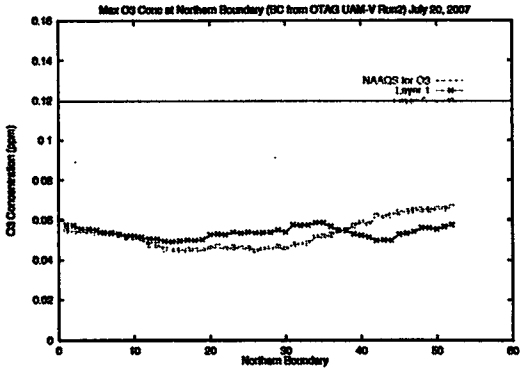
(b) ROM 2005 Base Case



(c) UAM-V 2007 Base1C



(d) ROM 2005 Strategy E



(e) UAM-V Strategy Run 2

Figure 18: Maximum Ozone Concentrations at Northern Boundary of Philadelphia/New Jersey UAM-IV Modeling Domain on July 20 in layers 1 and 5.

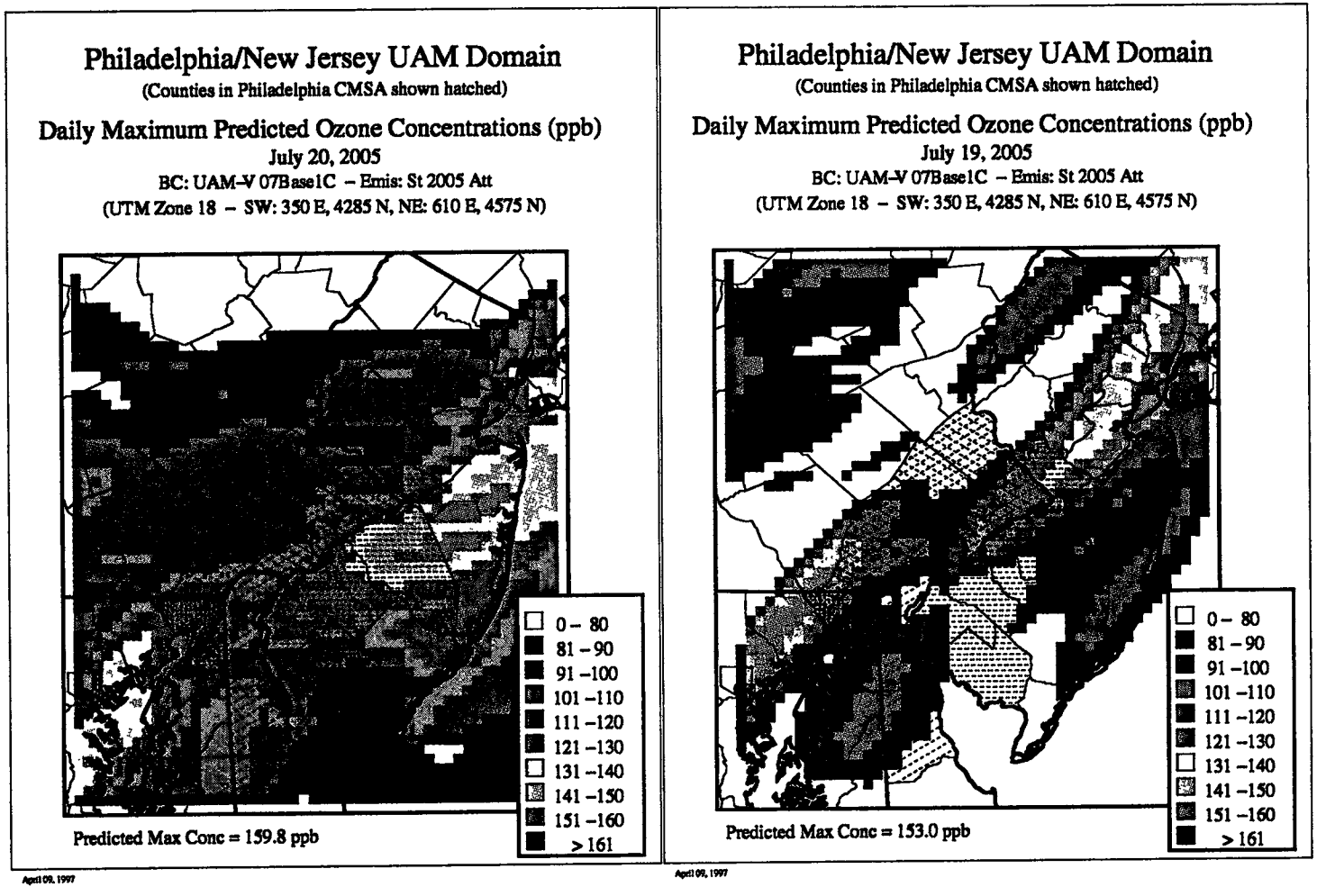
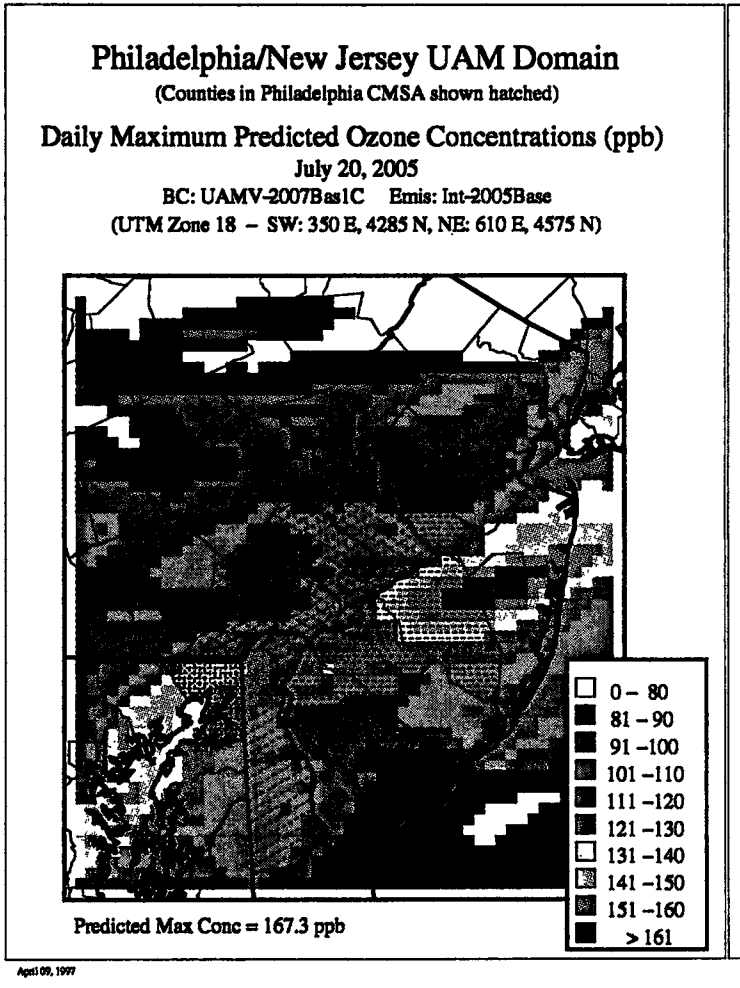


Figure 19: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Base1C and emissions inputs from state 2005 attainment inventories for July 19 and 20.



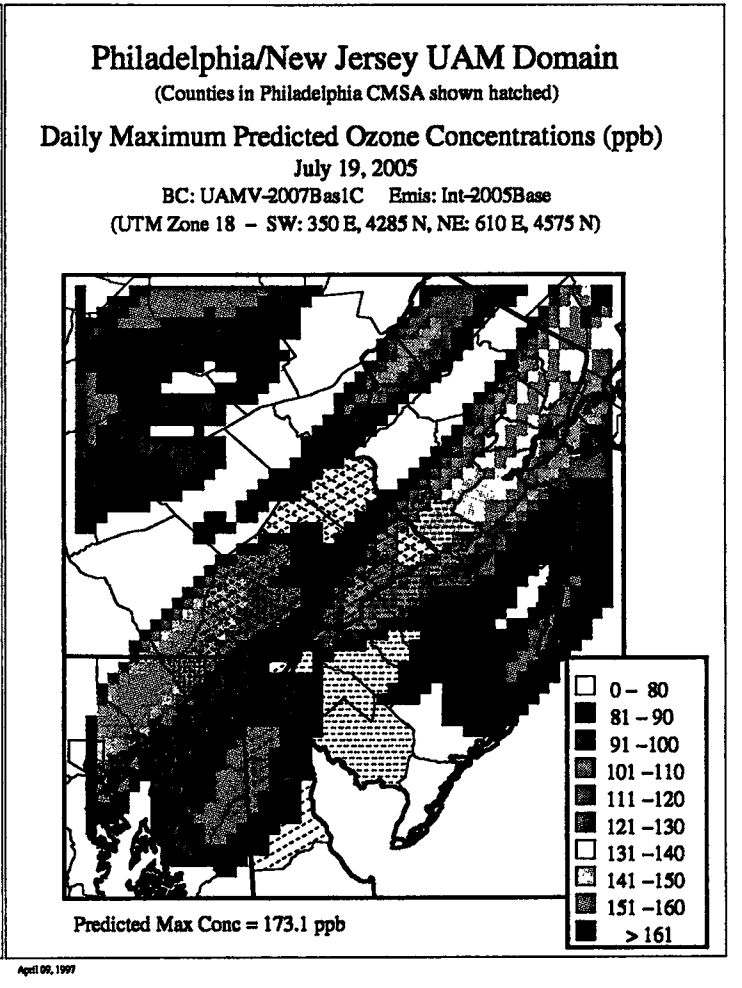


Figure 20: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Base1C and emissions inputs from EPA Interim 2005 Base Case inventories for July 19 and 20.

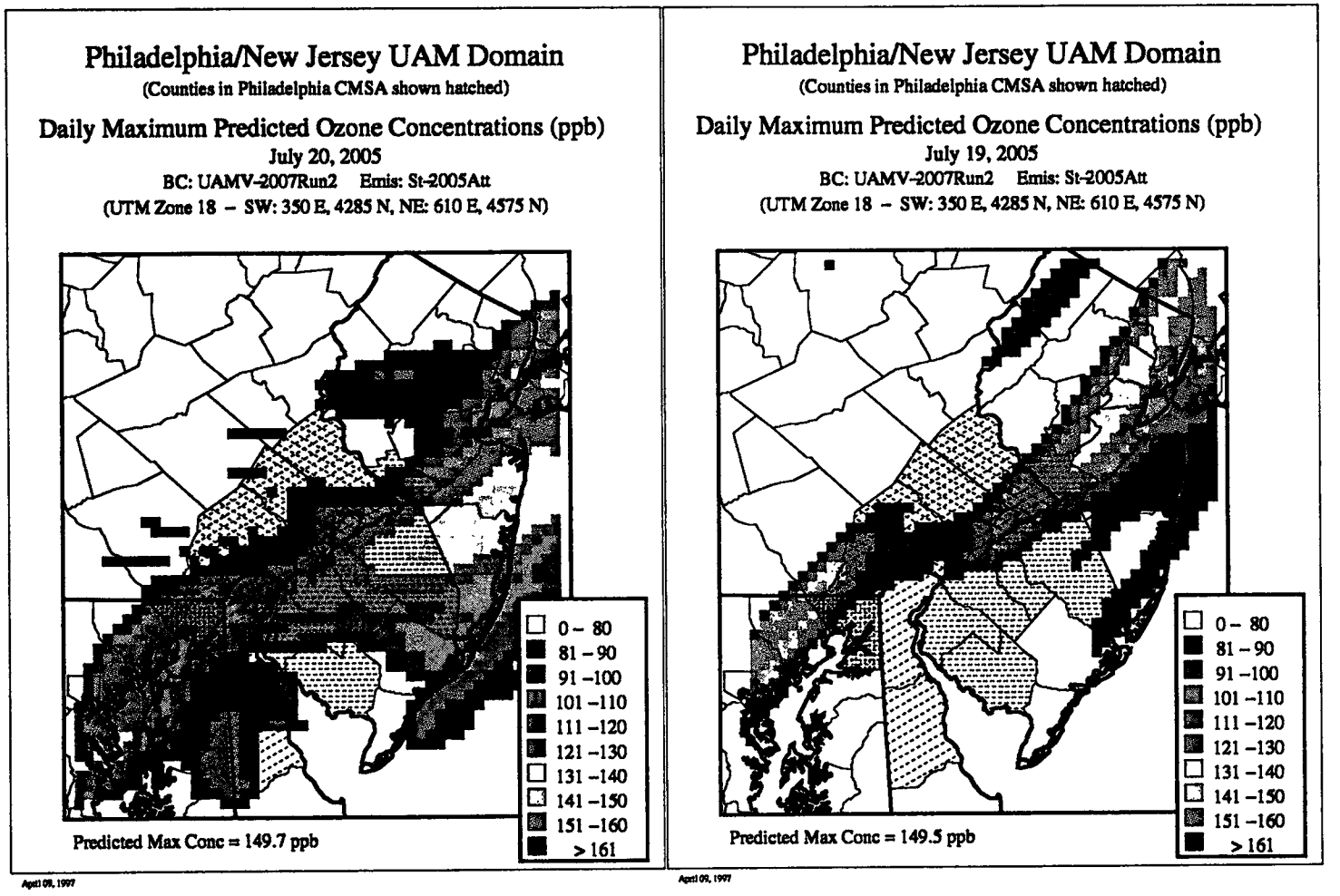
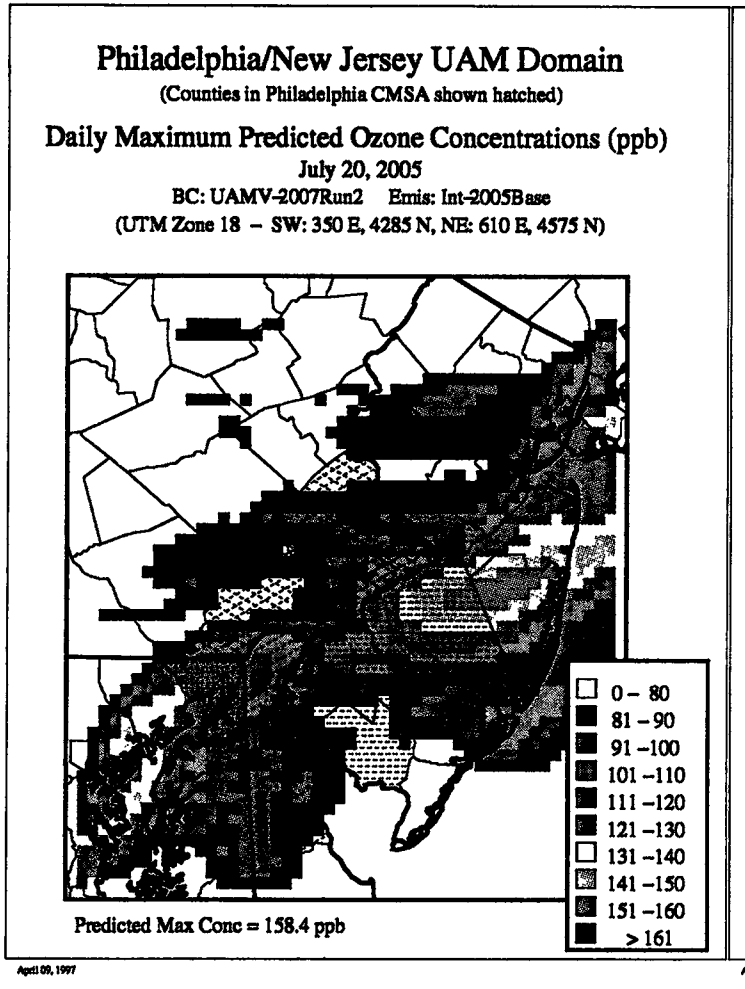


Figure 21: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Sensitivity Run 2 and emissions inputs from state 2005 attainment inventories for July 19 and 20.



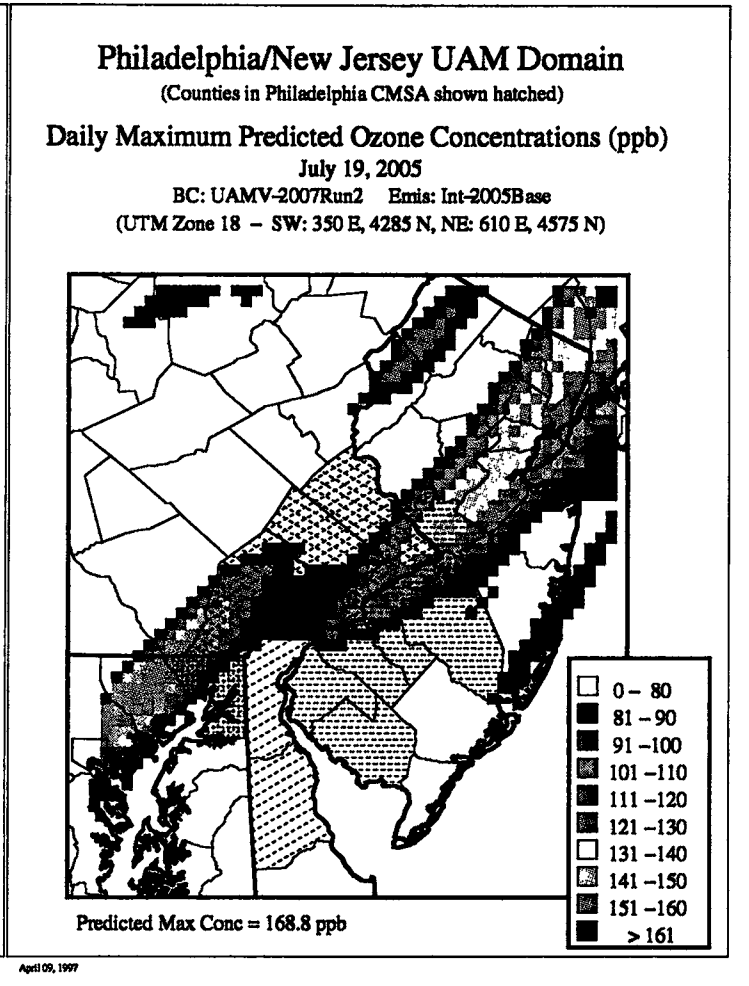


Figure 22: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Sensitivity Run 2 and emissions inputs from EPA Interim 2005 Base Case inventories for July 19 and 20.

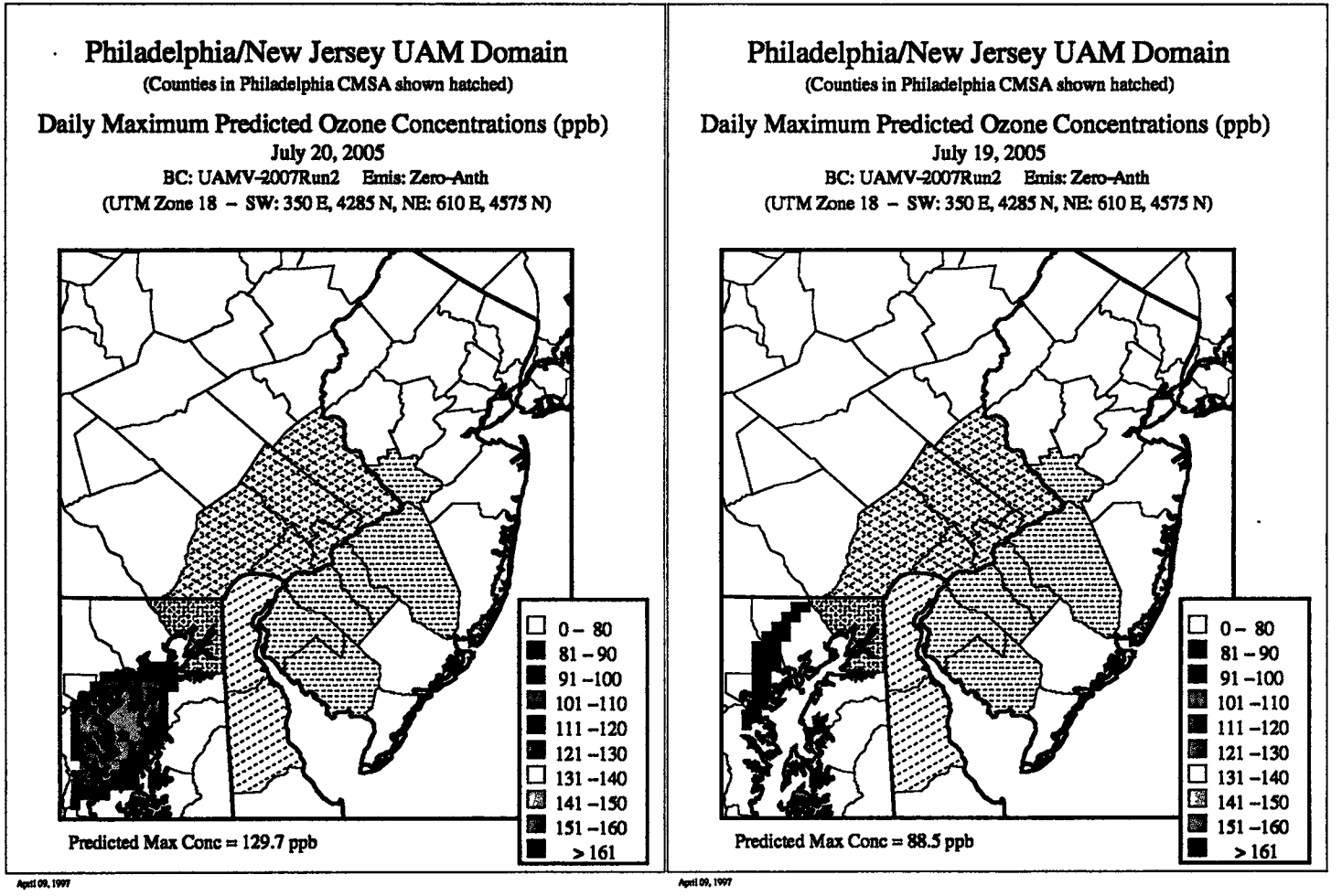


Figure 23: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from UAM-V 2007 Sensitivity Run 2 and emissions inputs with zero anthropogenic emissions for July 19 and 20.

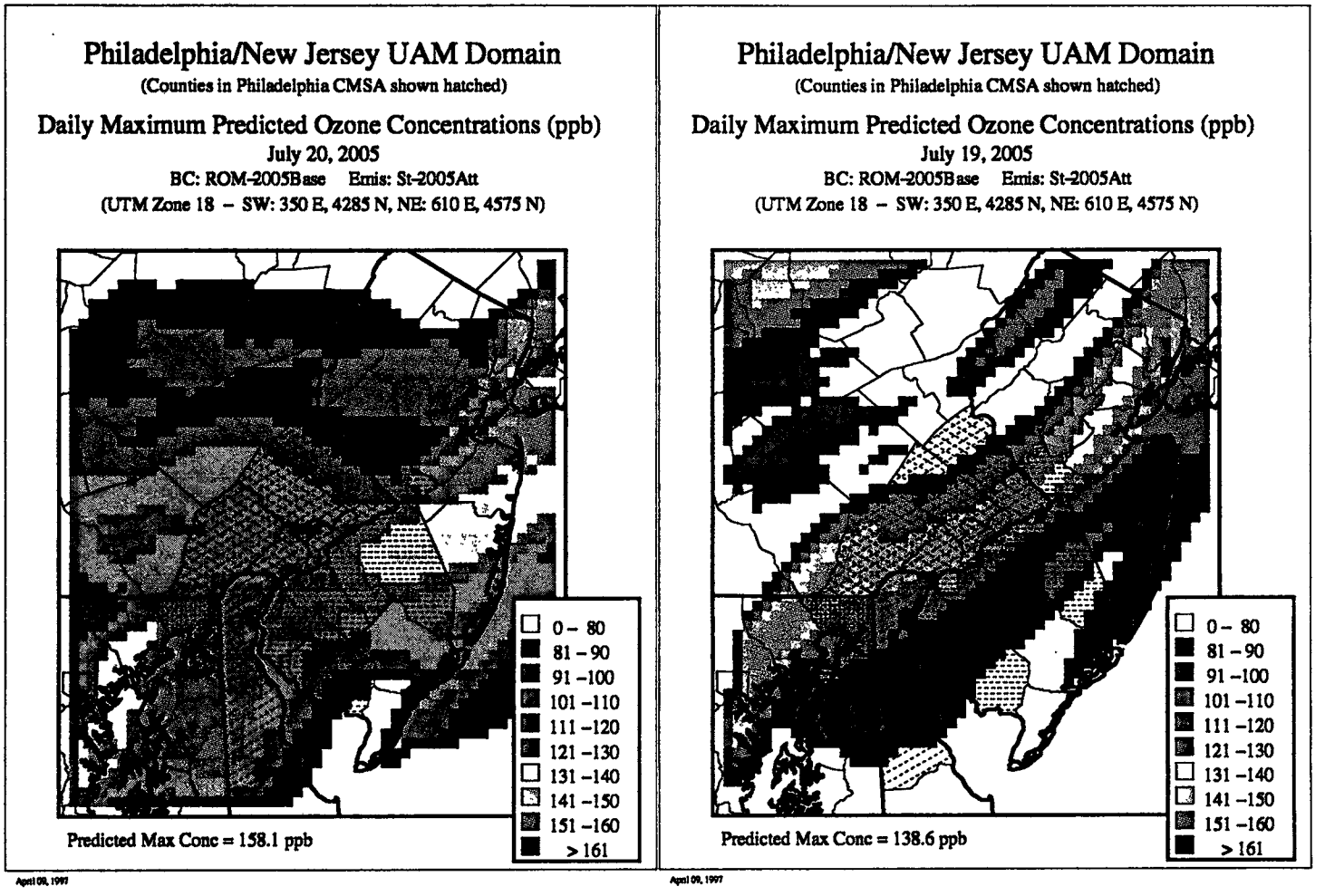


Figure 24: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Base Case and emissions inputs from state 2005 attainment inventories for July 19 and 20.

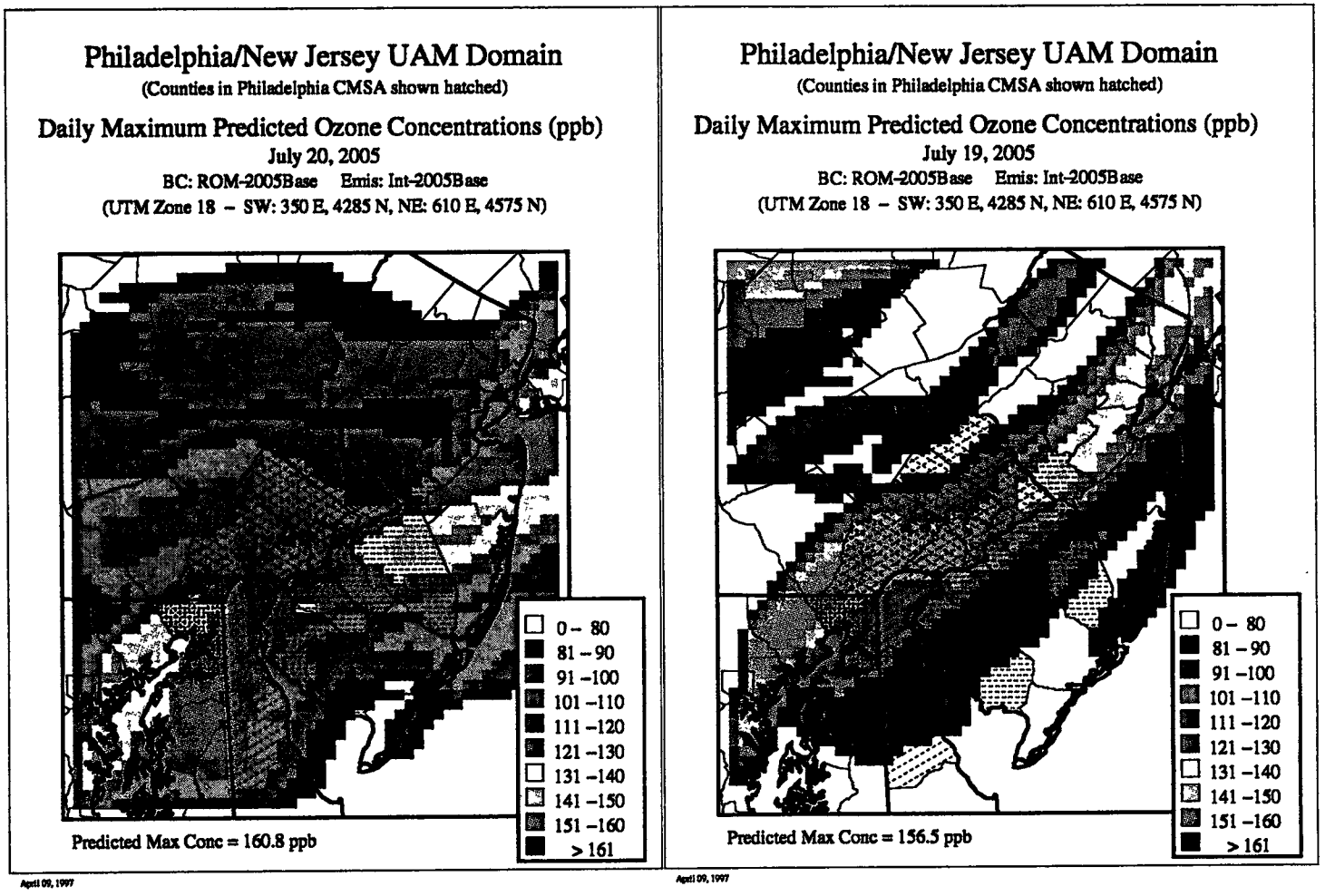


Figure 25: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Base Case and emissions inputs from EPA Interim 2005 Base Case inventories for July 19 and 20.

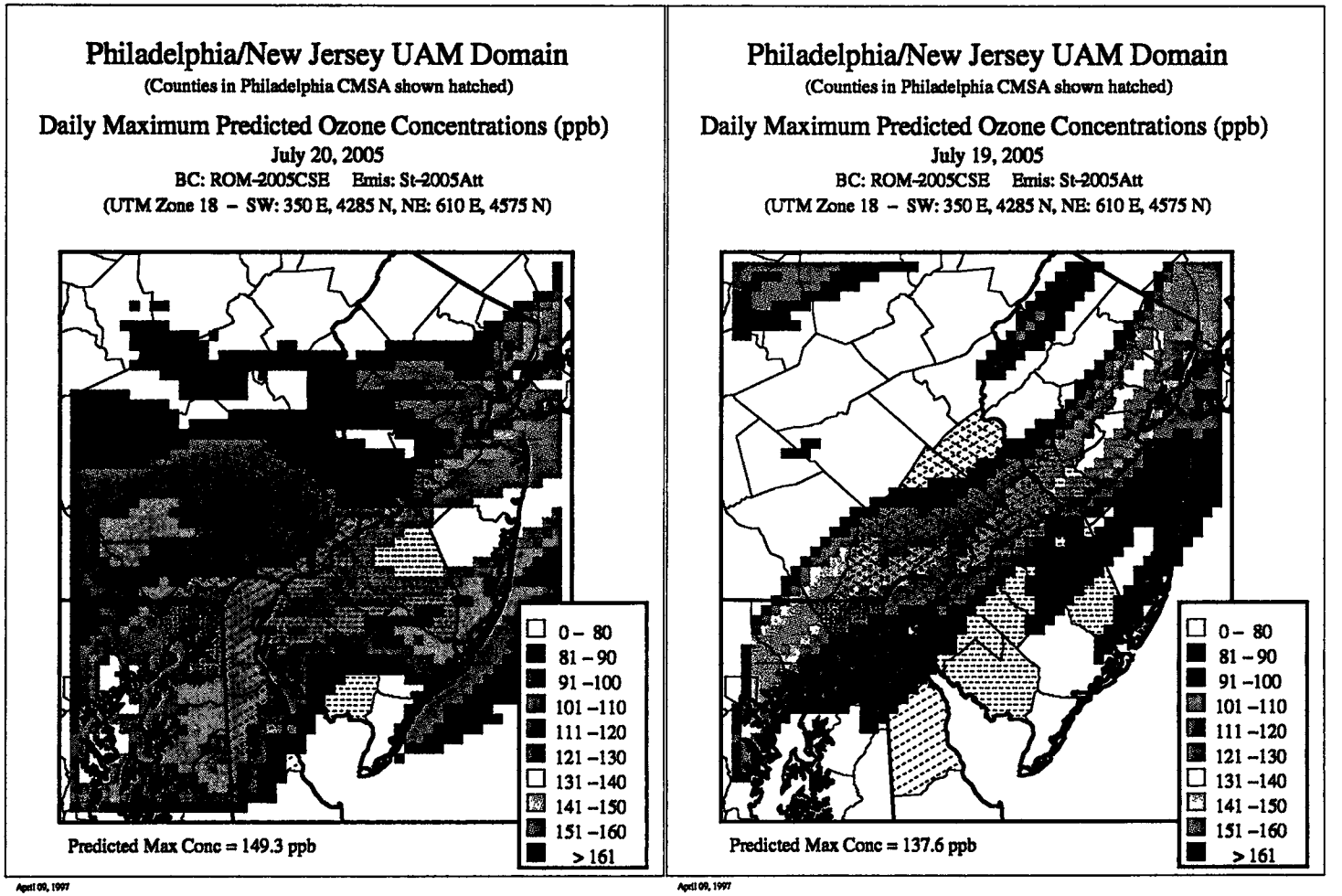
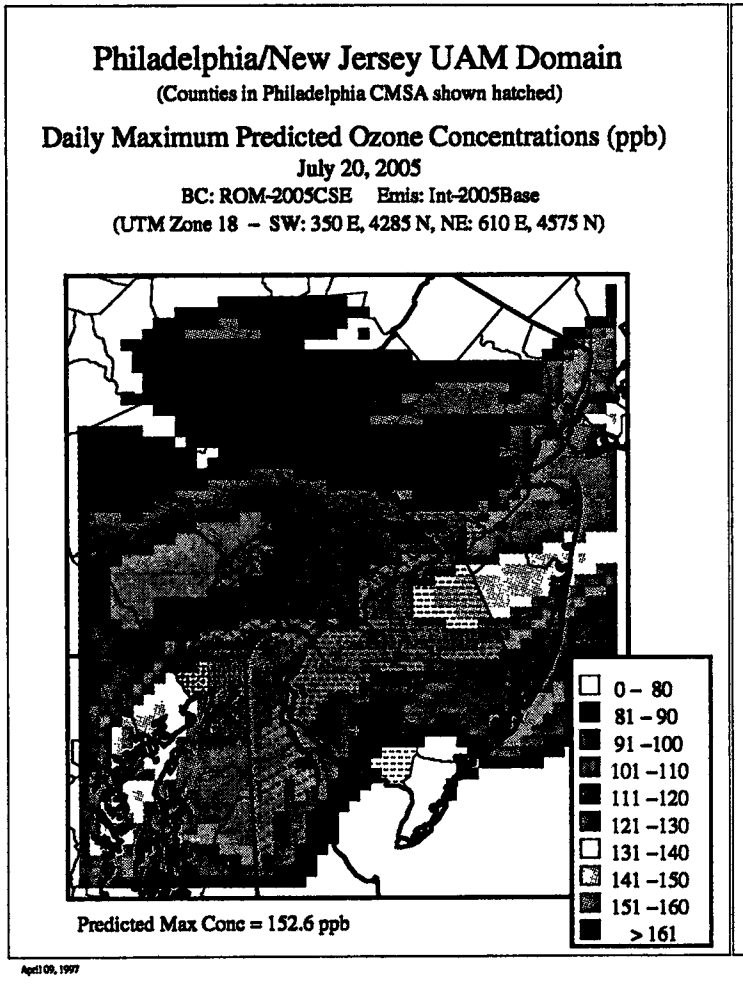


Figure 26: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Strategy E and emissions inputs from state 2005 attainment inventories for July 19 and 20.



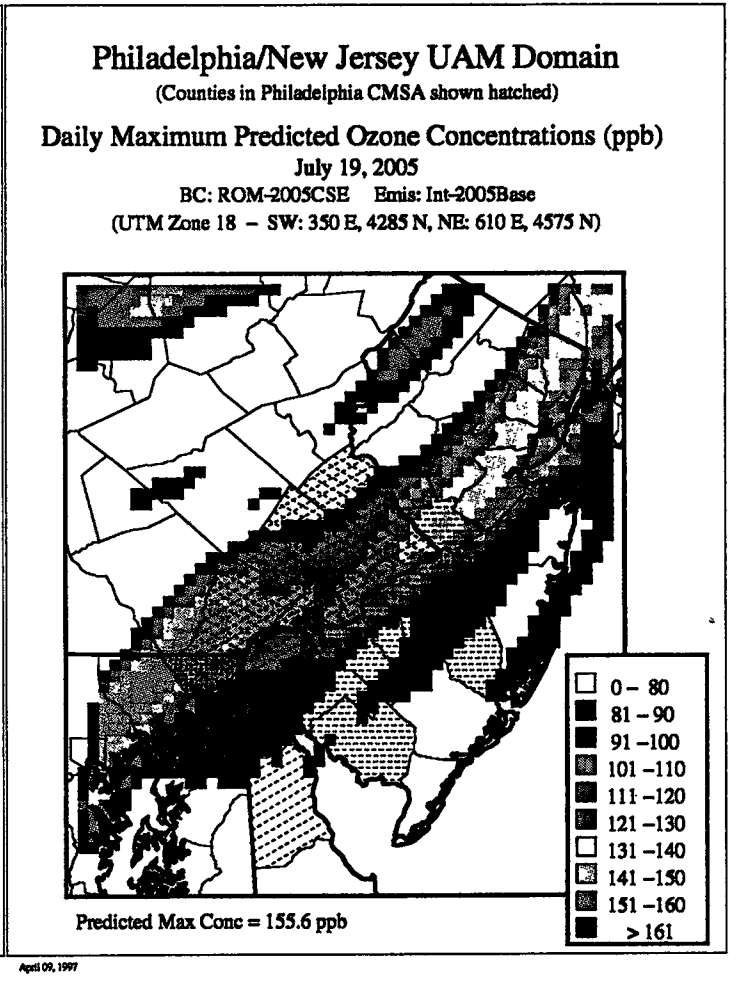


Figure 27: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Strategy E and emissions inputs from EPA Interim 2005 Base Case inventories for July 19 and 20.

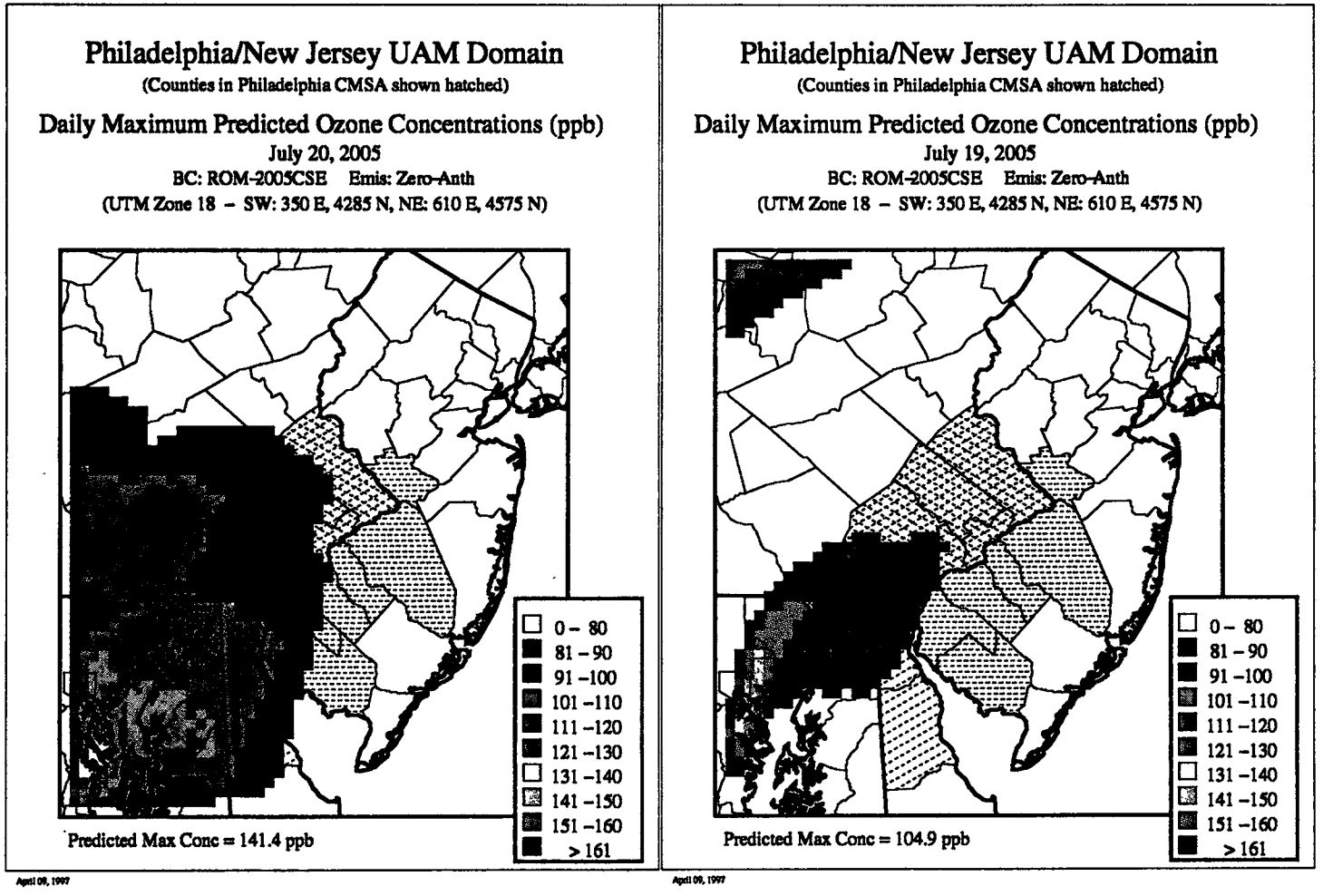


Figure 28: Predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations with boundary conditions from ROM 2005 Strategy E and emissions inputs with zero anthropogenic emissions for July 19 and 20.

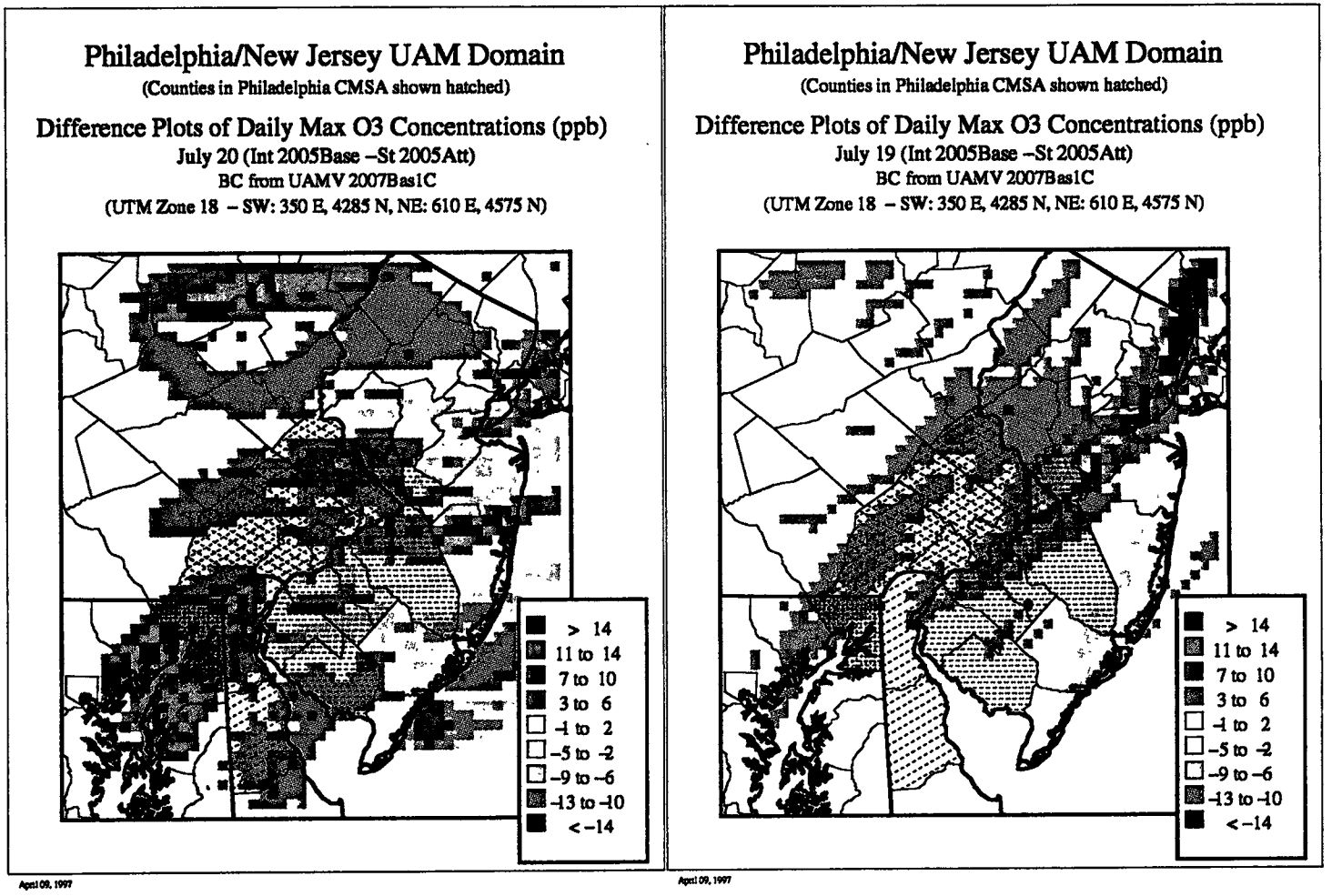
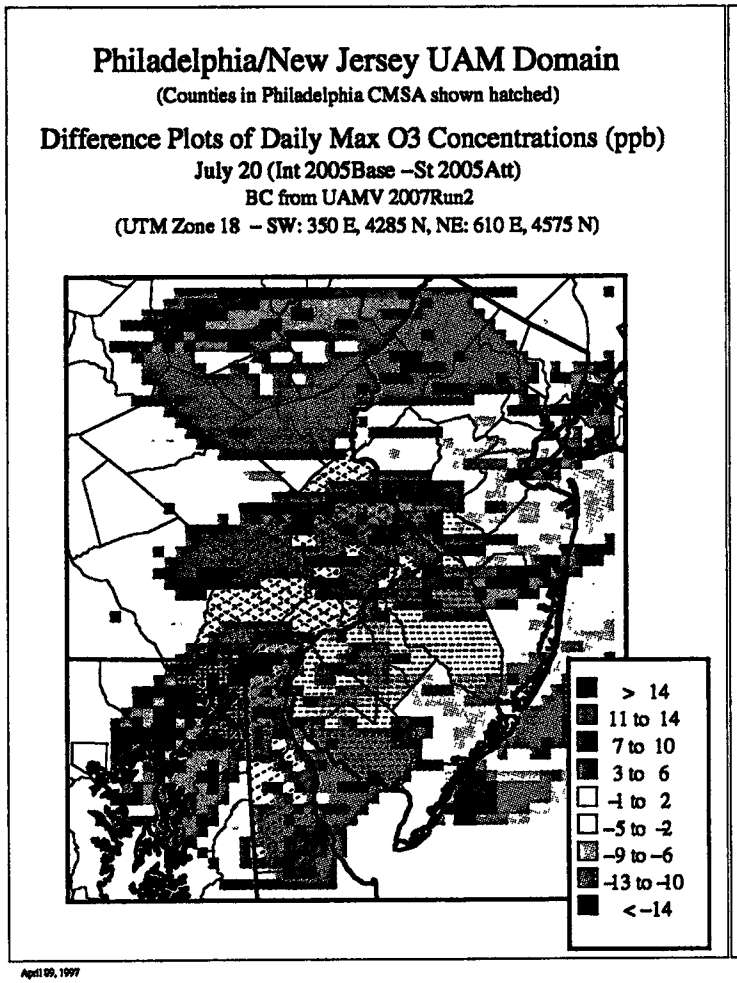


Figure 29: Difference between predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations using emissions inputs from EPA Interim 2005 and State 2005 attainment inventories for July 19 and 20 (constant boundary conditions from UAM-V 2007 Base1C).



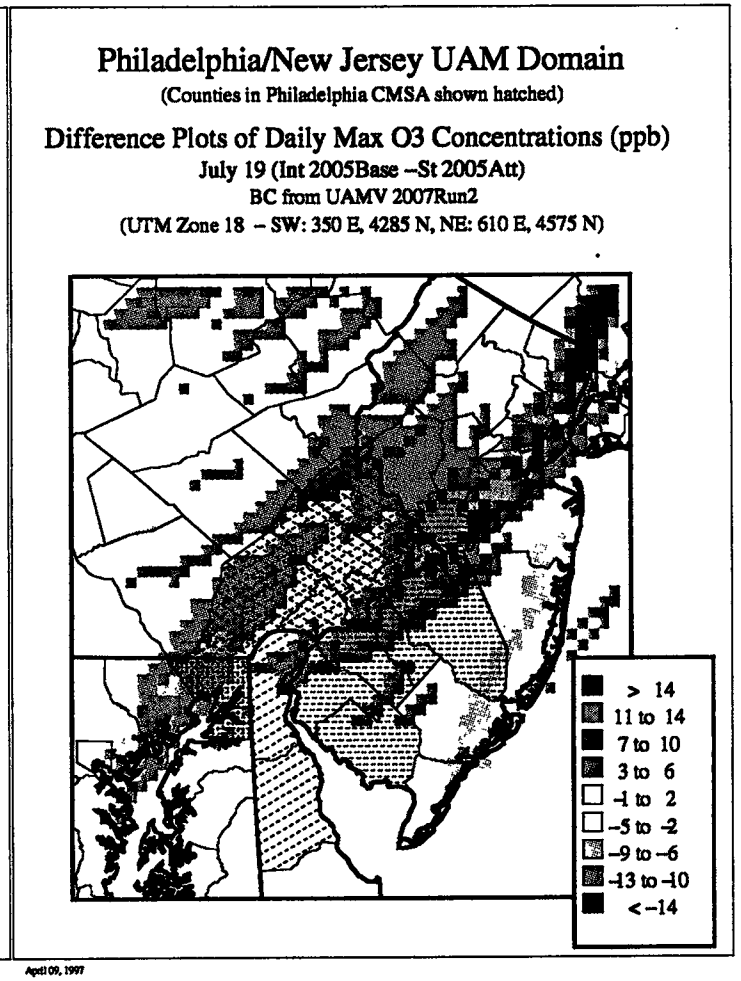


Figure 30: Difference between predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations using emissions inputs from EPA Interim 2005 and State 2005 attainment inventories for July 19 and 20 (constant boundary conditions from UAM-V 2007 Sensitivity Run 2).

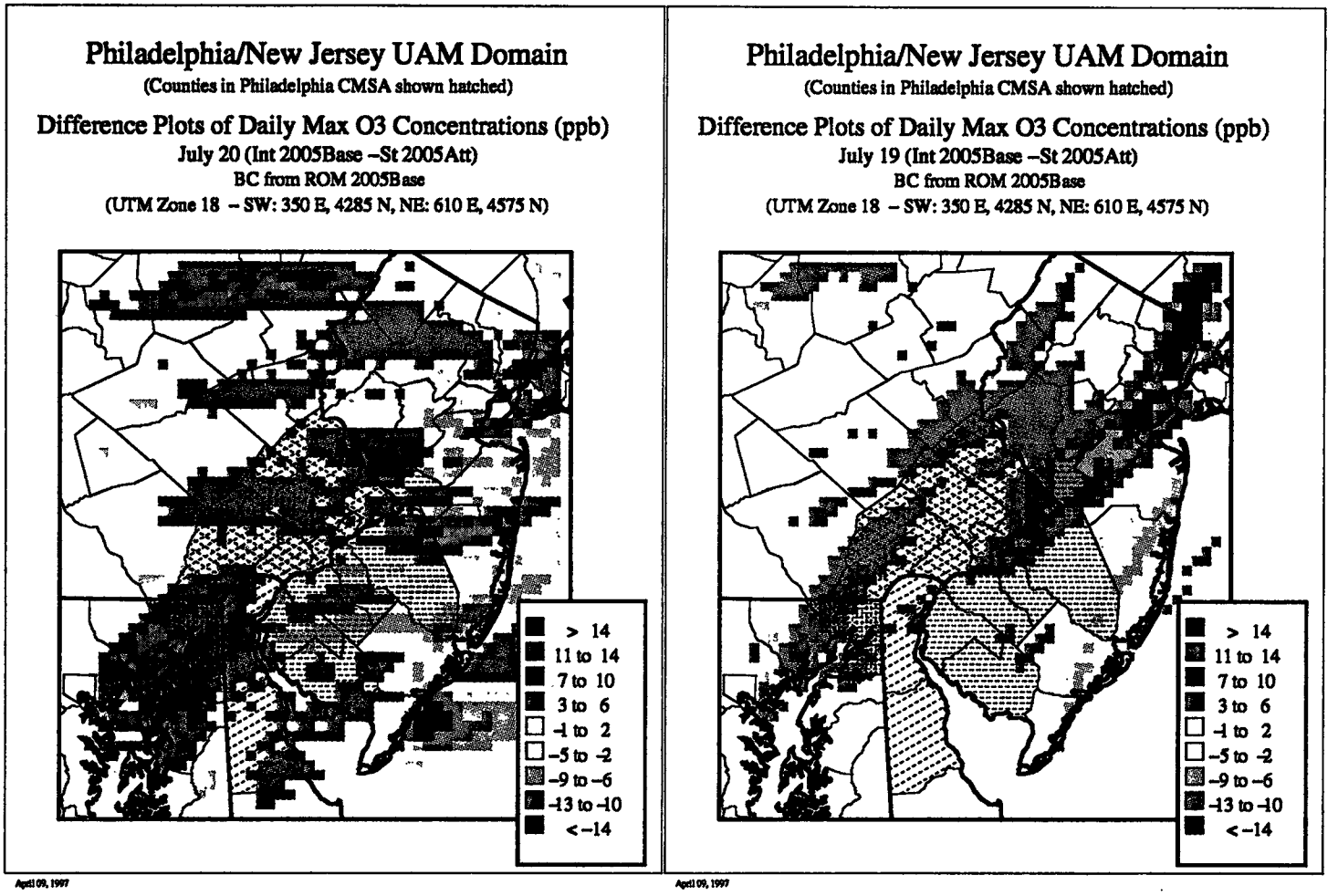


Figure 31: Difference between predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations using emissions inputs from EPA Interim 2005 and State 2005 attainment inventories for July 19 and 20 (constant boundary conditions from ROM 2005 Base Case).

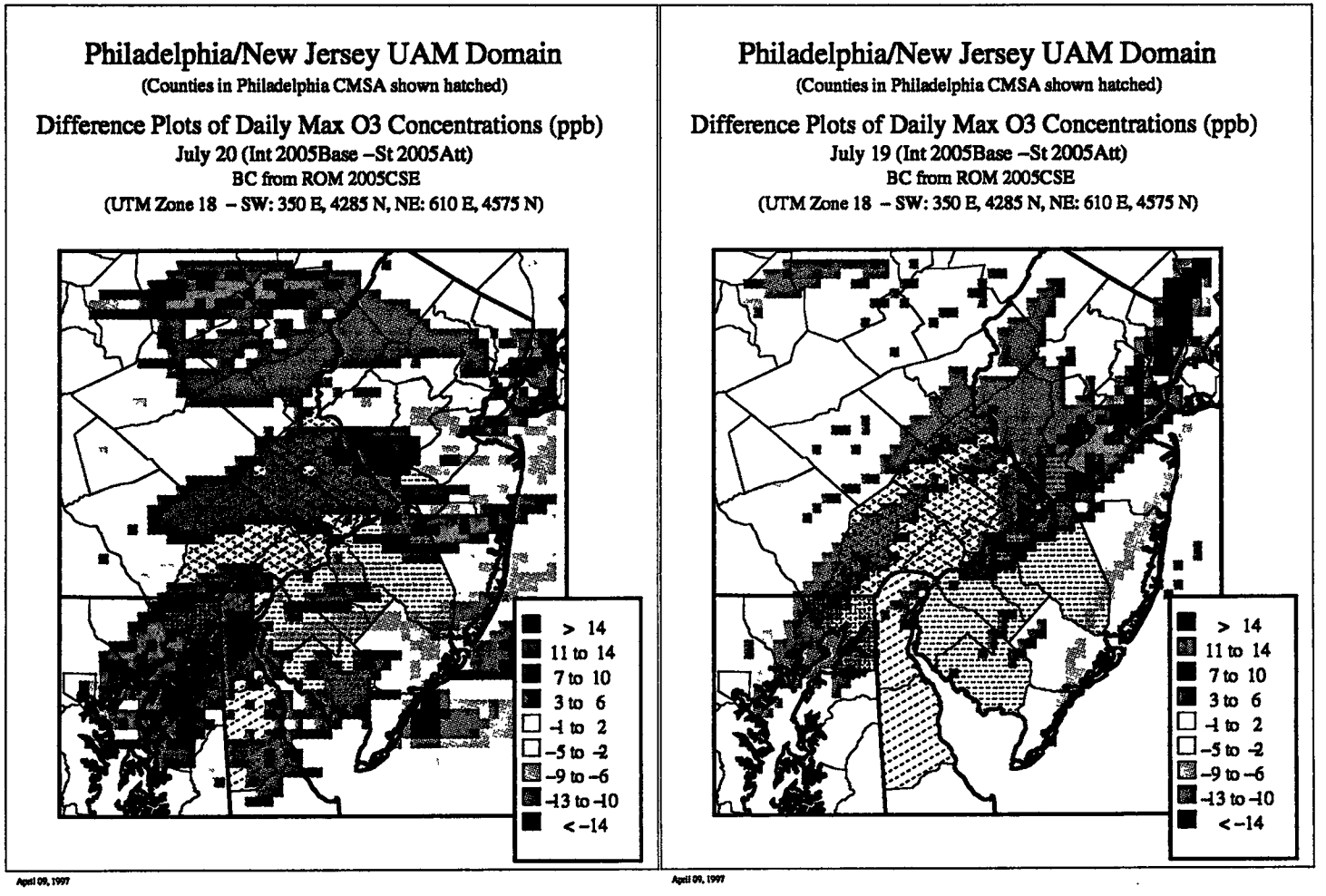


Figure 32: Difference between predicted daily maximum 1-hour ozone concentrations from UAM-IV simulations using emissions inputs from EPA Interim 2005 and State 2005 attainment inventories for July 19 and 20 (constant boundary conditions from ROM 2005 Strategy E).

Recycled Paper

SCENARIOS

1999 Uncontrolled Baseline
1999 Adjusted Baseline
1999 Control Strategy

2002 Uncontrolled Baseline
2002 Adjusted Baseline
2002 Control Strategy

2005 Uncontrolled Baseline
2005 Adjusted Baseline
2005 Control Strategy

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	12,994,008	87.6%		28,074	87.4%	199,054	87.3%	23,677	81.6%
	LDGT1	504,912	3.4%		1,154	3.6%	10,426	4.6%	1,257	4.3%
	LDGT2	352,605	2.4%		902	2.8%	8,516	3.7%	920	3.2%
	HDGV	69,222	0.5%		276	0.9%	2,641	1.2%	378	1.3%
	LDDV	558,659	3.8%		280	0.9%	753	0.3%	840	2.9%
	LDDT	45,305	0.3%		30	0.1%	63	0.0%	84	0.3%
	HDDV	123,770	0.8%		200	0.6%	1,111	0.5%	1,670	5.8%
	MC	181,003	1.2%		1,213	3.8%	5,372	2.4%	188	0.6%
	Total	14,829,484		23.5	32,128		227,936		29,015	
				total tons:	35.42		251.25		31.98	

	kg	ton	pct.
Exhaust	17,140	18.89	53.3%
Evaporative	3,981	4.39	12.4%
Refueling	0	0.00	0.0%
Running Loss	9,821	10.83	30.6%
Resting Loss	1,186	1.31	3.7%

Chester	LDGV	11,007,230	86.6%		17,646	84.6%	125,016	84.6%	19,523	79.2%
	LDGT1	497,358	3.9%		924	4.4%	8,499	5.8%	1,231	5.0%
	LDGT2	347,266	2.7%		722	3.5%	7,019	4.7%	907	3.7%
	HDGV	66,968	0.5%		216	1.0%	2,116	1.4%	380	1.5%
	LDDV	474,094	3.7%		188	0.9%	507	0.3%	685	2.8%
	LDDT	45,846	0.4%		24	0.1%	53	0.0%	84	0.3%
	HDDV	121,683	1.0%		166	0.8%	918	0.6%	1,674	6.8%
	MC	152,529	1.2%		984	4.7%	3,650	2.5%	171	0.7%
	Total	12,712,974		31.6	20,870		147,778		24,654	
				total tons:	23.00		162.90		27.18	

	kg	ton	pct.
Exhaust	11,303	12.46	54.2%
Evaporative	3,232	3.56	15.5%
Refueling	0	0.00	0.0%
Running Loss	5,323	5.87	25.5%
Resting Loss	1,012	1.12	4.9%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,136,525	87.2%		42,968	88.4%	305,768	88.4%	28,739	81.6%
	LDGT1	620,679	3.6%		1,770	3.6%	15,752	4.6%	1,596	4.5%
	LDGT2	437,089	2.5%		1,280	2.6%	11,648	3.4%	1,117	3.2%
	HDGV	84,353	0.5%		386	0.8%	3,536	1.0%	453	1.3%
	LDDV	651,183	3.8%		422	0.9%	1,077	0.3%	1,017	2.9%
	LDDT	57,983	0.3%		49	0.1%	97	0.0%	114	0.3%
	HDDV	154,830	0.9%		277	0.6%	1,526	0.4%	2,006	5.7%
	MC	209,722	1.2%		1,451	3.0%	6,499	1.9%	185	0.5%
	Total	17,352,364		19.9	48,603		345,902		35,228	
				total tons:	53.57		381.29		38.83	

	kg	ton	pct.
Exhaust	26,123	28.80	53.7%
Evaporative	5,102	5.62	10.5%
Refueling	0	0.00	0.0%
Running Loss	15,832	17.45	32.6%
Resting Loss	1,546	1.70	3.2%

Area Total

	LDGV	65,314,429	87.4%		139,722	87.1%	975,765	87.2%	115,051	81.1%
	LDGT1	2,631,030	3.5%		6,076	3.8%	53,665	4.8%	6,389	4.5%
	LDGT2	1,842,131	2.5%		4,567	2.8%	41,823	3.7%	4,596	3.2%
	HDGV	355,671	0.5%		1,386	0.9%	12,840	1.1%	1,928	1.4%
	LDDV	2,809,159	3.8%		1,428	0.9%	3,765	0.3%	4,066	2.9%
	LDDT	241,719	0.3%		164	0.1%	341	0.0%	441	0.3%
	HDDV	648,004	0.9%		1,056	0.7%	5,809	0.5%	8,516	6.0%
	MC	907,560	1.2%		6,042	3.8%	24,774	2.2%	899	0.6%
	Total:	74,749,703		23.9	160,441		1,118,781		141,885	
				Total Tons:	176.85		1,233.23		156.40	

	kg	tons	pct.
Exhaust	85,358	94.09	53.2%
Evaporative	19,892	21.93	12.4%
Refueling	0	0.00	0.0%
Running Loss	49,066	54.09	30.6%
Resting Loss	6,125	6.75	3.8%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	7,298,370	88.2%		14,971	87.6%	105,889	87.9%	12,225	82.2%
	LDGT1	260,358	3.1%		588	3.4%	5,365	4.5%	611	4.1%
	LDGT2	181,359	2.2%		434	2.5%	4,093	3.4%	430	2.9%
	HDGV	34,920	0.4%		136	0.8%	1,268	1.1%	184	1.2%
	LDDV	313,605	3.8%		157	0.9%	415	0.3%	436	2.9%
	LDDT	24,222	0.3%		17	0.1%	35	0.0%	43	0.3%
	HDDV	64,385	0.8%		110	0.6%	598	0.5%	851	5.7%
	MC	101,825	1.2%		676	4.0%	2,863	2.4%	98	0.7%
	Total	8,279,044		23.7	17,089		120,526		14,879	
				total tons:	18.84		132.86		16.40	

	kg	ton	pct.
Exhaust	9,064	9.99	53.0%
Evaporative	2,109	2.33	12.3%
Refueling	0	0.00	0.0%
Running Loss	5,255	5.79	30.7%
Resting Loss	661	0.73	3.9%

Montgomery	LDGV	14,770,267	87.7%		26,890	86.2%	189,817	86.5%	25,433	81.1%
	LDGT1	566,593	3.4%		1,234	4.0%	11,144	5.1%	1,385	4.4%
	LDGT2	396,975	2.4%		928	3.0%	8,694	4.0%	1,001	3.2%
	HDGV	75,639	0.4%		271	0.9%	2,529	1.2%	410	1.3%
	LDDV	634,947	3.8%		285	0.9%	767	0.3%	901	2.9%
	LDDT	51,741	0.3%		33	0.1%	71	0.0%	96	0.3%
	HDDV	138,570	0.8%		224	0.7%	1,252	0.6%	1,902	6.1%
	MC	205,237	1.2%		1,348	4.3%	5,292	2.4%	215	0.7%
	Total	16,839,969		26.8	31,212		219,567		31,343	
				total tons:	34.41		242.03		34.55	

	kg	ton	pct.
Exhaust	16,681	18.39	53.4%
Evaporative	4,264	4.70	13.7%
Refueling	0	0.00	0.0%
Running Loss	8,924	9.84	28.6%
Resting Loss	1,344	1.48	4.3%

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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	12,994,008	87.6%		13,282	82.5%	89,415	84.4%	15,702	77.3%
	LDGT1	504,912	3.4%		530	3.3%	4,341	4.1%	817	4.0%
	LDGT2	352,605	2.4%		431	2.7%	3,605	3.4%	662	3.3%
	HDGV	69,222	0.5%		213	1.3%	2,109	2.0%	376	1.9%
	LDDV	558,659	3.8%		280	1.7%	753	0.7%	840	4.1%
	LDDT	45,305	0.3%		30	0.2%	63	0.1%	84	0.4%
	HDDV	123,770	0.8%		200	1.2%	1,111	1.0%	1,632	8.0%
	MC	181,003	1.2%		1,127	7.0%	4,582	4.3%	188	0.9%
	Total	14,829,484		23.5	16,092		105,979		20,301	
				total tons:	17.74		116.82		22.38	

	kg	ton	pct.
Exhaust	9,547	10.52	59.3%
Evaporative	2,080	2.29	12.9%
Refueling	0	0.00	0.0%
Running Loss	3,387	3.73	21.0%
Resting Loss	1,078	1.19	6.7%

Chester	LDGV	11,007,230	86.6%		8,606	53.5%	57,365	81.7%	13,003	74.7%
	LDGT1	497,358	3.9%		431	2.7%	3,561	5.1%	797	4.6%
	LDGT2	347,266	2.7%		351	2.2%	2,985	4.3%	656	3.8%
	HDGV	66,968	0.5%		165	1.0%	1,685	2.4%	377	2.2%
	LDDV	474,094	3.7%		188	1.2%	507	0.7%	685	3.9%
	LDDT	45,846	0.4%		24	0.2%	53	0.1%	84	0.5%
	HDDV	121,683	1.0%		166	1.0%	918	1.3%	1,636	9.4%
	MC	152,529	1.2%		911	5.7%	3,114	4.4%	171	1.0%
	Total	12,712,974		31.6	10,843		70,188		17,409	
				total tons:	11.95		77.37		19.19	

	kg	ton	pct.
Exhaust	6,427	7.08	59.3%
Evaporative	1,706	1.88	15.7%
Refueling	0	0.00	0.0%
Running Loss	1,812	2.00	16.7%
Resting Loss	898	0.99	8.3%

Phase II RFG NOx Credit calculated using MOBILE5b.

```
.903.021.014.003.039.002.005.013
1  5 25.9 90.8 20.6 27.3 20.6  7
[A  92F17T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.867.039.027.005.037.003.010.012
1  5 26.4 80.0 20.6 27.3 20.6  7
[A  92F17T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.894.026.018.003.038.002.006.013
1  5 23.6 87.7 20.6 27.3 20.6  7
[A  92F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.898.023.016.003.039.002.006.013
1  5 23.6 84.8 20.6 27.3 20.6  7
[A  92F19T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
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1  5 23.6 90.8 20.6 27.3 20.6  7
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1  5 23.6 80.0 20.6 27.3 20.6  7
[A  92F19T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 60.5 87.7 20.6 27.3 20.6  7
[A  93F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.839.052.036.007.036.005.013.012
1  5 62.4 84.8 20.6 27.3 20.6  7
[A  93F11T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.858.043.030.006.037.004.010.012
1  5 55.0 94.2 20.6 27.3 20.6  7
[A  93F11T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 60.6 90.8 20.6 27.3 20.6  7
[A  93F11T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.853.046.032.006.036.004.011.012
1  5 64.7 80.0 20.6 27.3 20.6  7
[A  93F11T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
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1  5 63.7 87.7 20.6 27.3 20.6  7
[A  93F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 63.8 84.8 20.6 27.3 20.6  7
[A  93F12T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.884.030.021.004.038.003.008.012
1  5 63.2 94.2 20.6 27.3 20.6  7
[A  93F12T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.892.027.019.003.039.002.006.012
1  5 63.7 90.8 20.6 27.3 20.6  7
[A  93F12T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.878.033.023.005.038.003.008.012
1  5 64.0 80.0 20.6 27.3 20.6  7
[A  93F12T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
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1  5 24.3 87.7 20.6 27.3 20.6  7
[A  93F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
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1  5 24.8 84.8 20.6 27.3 20.6  7
[A  93F14T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,136,525	87.2%		19,632	122.0%	128,875	85.2%	18,540	77.0%
	LDGT1	620,679	3.6%		800	5.0%	6,406	4.2%	1,035	4.3%
	LDGT2	437,089	2.5%		600	3.7%	4,865	3.2%	787	3.3%
	HDGV	84,353	0.5%		300	1.9%	2,830	1.9%	451	1.9%
	LDDV	651,183	3.8%		422	2.6%	1,077	0.7%	1,017	4.2%
	LDDT	57,983	0.3%		49	0.3%	97	0.1%	114	0.5%
	HDDV	154,830	0.9%		277	1.7%	1,526	1.0%	1,960	8.1%
	MC	209,722	1.2%		1,350	8.4%	5,544	3.7%	185	0.8%
	Total	17,352,364		19.9	23,430		151,219		24,089	
				total tons:	25.83		166.69		26.55	

	kg	ton	pct.
Exhaust	13,861	15.28	59.2%
Evaporative	2,573	2.84	11.0%
Refueling	0	0.00	0.0%
Running Loss	5,610	6.18	23.9%
Resting Loss	1,386	1.53	5.9%

Area Total

	LDGV	65,314,429	87.4%		65,769	82.2%	434,084	84.2%	75,664	76.6%
	LDGT1	2,631,030	3.5%		2,788	3.5%	22,288	4.3%	4,141	4.2%
	LDGT2	1,842,131	2.5%		2,173	2.7%	17,712	3.4%	3,293	3.3%
	HDGV	355,671	0.5%		1,071	1.3%	10,226	2.0%	1,917	1.9%
	LDDV	2,809,159	3.8%		1,428	1.8%	3,765	0.7%	4,066	4.1%
	LDDT	241,719	0.3%		164	0.2%	341	0.1%	441	0.4%
	HDDV	648,004	0.9%		1,056	1.3%	5,808	1.1%	8,319	8.4%
	MC	907,560	1.2%		5,607	7.0%	21,132	4.1%	899	0.9%
	Total:	74,749,703		23.9	80,056		515,356		98,739	
				Total Tons:	88.24		568.08		108.84	

	kg	tons	pct.
Exhaust	47,166	51.99	58.9%
Evaporative	10,282	11.33	12.8%
Refueling	0	0.00	0.0%
Running Loss	17,136	18.89	21.4%
Resting Loss	5,473	6.03	6.8%

Phase II RFG NOx Credit calculated using MOBILE5b.

```
1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Chester County, 2005 Uncontrolled Baseline
1     tamflg
1     spdflg
2     vmflag
3     mymrfg
5     newflg
21        imflag
1     alhflg
1     atpflg
5     rlflag
1     locflg -- Must be 1
1     temflg
3     outfmt -- Must be 3; Overridden by PPAQ1
4     prtflg
1     idlflg
3     nmhflg
3     hcflag
.051 .082 .085 .092 .095 .103 .099 .091 .070 .058      * Distribution by Vehicle
.034 .025 .020 .018 .018 .013 .009 .006 .004 .003      * County:Chester
.004 .003 .003 .003 .011                               * Filename:     chesage.da
.038 .062 .063 .068 .087 .100 .095 .103 .068 .058
.040 .027 .026 .024 .037 .030 .021 .011 .007 .007
.005 .006 .004 .004 .009
.044 .059 .057 .080 .106 .107 .084 .095 .069 .050
.030 .024 .021 .022 .037 .031 .021 .012 .009 .009
.010 .008 .005 .003 .007
.024 .039 .044 .062 .086 .087 .081 .083 .065 .044
.035 .031 .032 .032 .045 .034 .029 .017 .021 .021
.025 .017 .013 .013 .020
.051 .082 .085 .092 .095 .103 .099 .091 .070 .058
.034 .025 .020 .018 .018 .013 .009 .006 .004 .003
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.040 .027 .026 .024 .037 .030 .021 .011 .007 .007
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.030 .044 .040 .043 .042 .043 .043 .070 .068 .061
.065 .451 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
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1  5 65.0 84.8 20.6 27.3 20.6  7
[A 151F 1T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.794.074.052.010.034.007.018.011
1  5 64.8 94.2 20.6 27.3 20.6  7
[A 151F 1T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
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1  5 64.9 90.8 20.6 27.3 20.6  7
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1  5 65.0 80.0 20.6 27.3 20.6  7
[A 151F 1T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,459,797	87.6%		29,127	87.7%	196,862	87.8%	24,176	82.4%
	LDGT1	522,843	3.4%		1,169	3.5%	9,792	4.4%	1,294	4.4%
	LDGT2	365,137	2.4%		901	2.7%	7,890	3.5%	955	3.3%
	HDGV	71,682	0.5%		258	0.8%	2,079	0.9%	385	1.3%
	LDDV	578,677	3.8%		261	0.8%	749	0.3%	777	2.6%
	LDDT	46,912	0.3%		26	0.1%	61	0.0%	74	0.3%
	HDDV	128,164	0.8%		200	0.6%	1,143	0.5%	1,481	5.0%
	MC	187,511	1.2%		1,265	3.8%	5,685	2.5%	194	0.7%
	Total	15,360,723		22.7	33,209		224,261		29,335	
				total tons:	36.61		247.20		32.34	

	kg	ton	pct.
Exhaust	17,472	19.26	52.6%
Evaporative	3,792	4.18	11.4%
Refueling	0	0.00	0.0%
Running Loss	10,722	11.82	32.3%
Resting Loss	1,224	1.35	3.7%

Chester	LDGV	11,650,647	86.6%		18,488	84.9%	124,306	85.2%	20,249	80.1%
	LDGT1	526,004	3.9%		945	4.3%	7,945	5.4%	1,282	5.1%
	LDGT2	367,262	2.7%		729	3.3%	6,463	4.4%	949	3.8%
	HDGV	70,824	0.5%		206	0.9%	1,694	1.2%	394	1.6%
	LDDV	501,804	3.7%		181	0.8%	518	0.4%	653	2.6%
	LDDT	48,500	0.4%		22	0.1%	52	0.0%	76	0.3%
	HDDV	128,690	1.0%		170	0.8%	958	0.7%	1,507	6.0%
	MC	161,461	1.2%		1,044	4.8%	3,885	2.7%	179	0.7%
	Total	13,455,192		30.8	21,785		145,821		25,288	
				total tons:	24.01		160.74		27.88	

	kg	ton	pct.
Exhaust	11,682	12.88	53.6%
Evaporative	3,203	3.53	14.7%
Refueling	0	0.00	0.0%
Running Loss	5,831	6.43	26.8%
Resting Loss	1,069	1.18	4.9%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,270,674	87.7%		19,418	87.7%	128,097	88.2%	14,779	82.7%
	LDGT1	352,888	3.3%		775	3.5%	6,284	4.3%	771	4.3%
	LDGT2	246,078	2.3%		565	2.6%	4,699	3.2%	544	3.0%
	HDGV	47,631	0.5%		170	0.8%	1,268	0.9%	243	1.4%
	LDDV	398,432	3.8%		179	0.8%	507	0.3%	465	2.6%
	LDDT	32,717	0.3%		19	0.1%	43	0.0%	45	0.3%
	HDDV	87,468	0.8%		145	0.7%	789	0.5%	910	5.1%
	MC	129,383	1.2%		861	3.9%	3,544	2.4%	118	0.7%
	Total	10,565,271		22.2	22,132		145,231		17,875	
				total tons:	24.40		160.09		19.70	

	kg	ton	pct.
Exhaust	11,432	12.60	51.7%
Evaporative	2,503	2.76	11.3%
Refueling	0	0.00	0.0%
Running Loss	7,356	8.11	33.2%
Resting Loss	841	0.93	3.8%

Montgomery	LDGV	17,785,693	87.6%		32,988	86.5%	216,448	87.1%	29,121	82.0%
	LDGT1	688,863	3.4%		1,483	3.9%	11,951	4.8%	1,591	4.5%
	LDGT2	482,729	2.4%		1,100	2.9%	9,162	3.7%	1,151	3.2%
	HDGV	91,999	0.5%		310	0.8%	2,370	1.0%	482	1.4%
	LDDV	764,605	3.8%		317	0.8%	901	0.4%	936	2.6%
	LDDT	62,960	0.3%		35	0.1%	80	0.0%	94	0.3%
	HDDV	168,525	0.8%		269	0.7%	1,515	0.6%	1,877	5.3%
	MC	247,177	1.2%		1,622	4.3%	6,129	2.5%	246	0.7%
	Total	20,292,551		25.1	38,123		248,556		35,498	
				total tons:	42.02		273.98		39.13	

	kg	ton	pct.
Exhaust	19,808	21.83	52.0%
Evaporative	4,856	5.35	12.7%
Refueling	0	0.00	0.0%
Running Loss	11,842	13.05	31.1%
Resting Loss	1,617	1.78	4.2%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,270,674	87.7%		19,418	87.7%	128,097	88.2%	14,779	82.7%
	LDGT1	352,888	3.3%		775	3.5%	6,284	4.3%	771	4.3%
	LDGT2	246,078	2.3%		565	2.6%	4,699	3.2%	544	3.0%
	HDGV	47,631	0.5%		170	0.8%	1,268	0.9%	243	1.4%
	LDDV	398,432	3.8%		179	0.8%	507	0.3%	465	2.6%
	LDDT	32,717	0.3%		19	0.1%	43	0.0%	45	0.3%
	HDDV	87,468	0.8%		145	0.7%	789	0.5%	910	5.1%
	MC	129,383	1.2%		861	3.9%	3,544	2.4%	118	0.7%
	Total	10,565,271		22.2	22,132		145,231		17,875	
				total tons:	24.40		160.09		19.70	

	kg	ton	pct.
Exhaust	11,432	12.60	51.7%
Evaporative	2,503	2.76	11.3%
Refueling	0	0.00	0.0%
Running Loss	7,356	8.11	33.2%
Resting Loss	841	0.93	3.8%

Montgomery	LDGV	17,785,693	87.6%		32,988	86.5%	216,448	87.1%	29,121	82.0%
	LDGT1	688,863	3.4%		1,483	3.9%	11,951	4.8%	1,591	4.5%
	LDGT2	482,729	2.4%		1,100	2.9%	9,162	3.7%	1,151	3.2%
	HDGV	91,999	0.5%		310	0.8%	2,370	1.0%	482	1.4%
	LDDV	764,605	3.8%		317	0.8%	901	0.4%	936	2.6%
	LDDT	62,960	0.3%		35	0.1%	80	0.0%	94	0.3%
	HDDV	168,525	0.8%		269	0.7%	1,515	0.6%	1,877	5.3%
	MC	247,177	1.2%		1,622	4.3%	6,129	2.5%	246	0.7%
	Total	20,292,551		25.1	38,123		248,556		35,498	
				total tons:	42.02		273.98		39.13	

	kg	ton	pct.
Exhaust	19,808	21.83	52.0%
Evaporative	4,856	5.35	12.7%
Refueling	0	0.00	0.0%
Running Loss	11,842	13.05	31.1%
Resting Loss	1,617	1.78	4.2%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
1999 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	1999 VMT speed	Growth from 1990	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)
14 Prin. Arterial	43,911 58.7	53,986 58.1	1.23	61	50	33 -34.0%	473	405	222 -45.3%	125	103	89 -14.0%
16 Minor Arterial	1,376 30.9	1,693 30.7	1.23	3	2	1 -35.6%	18	15	9 -40.8%	3	2	2 -11.6%
Subtotal (kg)	90,282	110,219	1.22	133	109	72	1,231	1,032	577	271	224	192
(tons)	60.8	60.4		0.15	0.12	0.08 -33.7%	1.36	1.14	0.64 -44.1%	0.30	0.25	0.21 -14.2%
Urban												
11 Interstate	30,098 65.0	36,484 64.9	1.21	47	39	26 -33.5%	520	431	244 -43.4%	105	87	76 -12.2%
12 Other Fwy/Ex	1,923,471 62.4	2,331,538 59.8	1.21	2,696	2,312	1,466 -36.6%	22,866	22,276	10,704 -51.9%	5,424	4,728	3,810 -19.4%
14 Prin. Arterial	1,327,721 28.5	1,632,374 27.0	1.23	2,930	2,282	1,513 -33.7%	19,671	15,048	9,393 -37.6%	2,580	2,110	1,800 -14.7%
16 Minor Arterial	512,296 20.8	629,845 19.8	1.23	1,442	1,121	735 -34.4%	10,505	8,193	5,051 -38.3%	963	784	670 -14.5%
17 Collector	493,058 15.3	650,511 13.8	1.32	2,112	1,462	1,048 -28.3%	13,728	9,759	6,618 -32.2%	1,031	771	721 -6.4%
19 Local	454,946 10.8	600,249 9.5	1.32	2,591	1,788	1,256 -29.8%	16,413	11,377	7,918 -30.4%	1,006	748	704 -5.8%
Subtotal (kg)	4,741,590	5,881,001	1.24	11,818	9,004	6,043	83,704	67,084	39,929	11,109	9,228	7,782
(tons)	26.8	24.3		13.03	9.93	6.66 -32.9%	92.27	73.95	44.01 -40.5%	12.24	10.17	8.58 -15.7%
Chester County Totals (kg)	10,147,864	12,712,974	1.25	20,870	16,083	10,843	147,778	117,987	70,188	24,654	20,179	17,409
(tons)	33.8	31.6		23.00	17.73	11.95 -32.6%	162.90	130.06	77.37 -40.5%	27.18	22.24	19.19 -13.7%
Delaware County												
Rural												
2 Other Prin. Art	331,091 55.7	359,601 55.0	1.09	399	367	210 -42.8%	2,570	2,451	1,183 -51.7%	770	722	539 -25.4%
6 Minor Arterial	56,202 45.3	61,042 44.6	1.09	73	66	37 -43.9%	418	378	190 -49.7%	98	91	66 -27.1%
7 Major Collector	79,320	96,986	1.22	130	106	67	787	639	363	162	133	112

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,310,967	87.2%		42,886	88.7%	294,400	88.8%	28,627	82.5%
	LDGT1	628,339	3.6%		1,727	3.6%	14,457	4.4%	1,619	4.7%
	LDGT2	442,412	2.5%		1,232	2.5%	10,566	3.2%	1,130	3.3%
	HDGV	85,397	0.5%		352	0.7%	2,727	0.8%	447	1.3%
	LDDV	658,688	3.8%		362	0.7%	1,006	0.3%	869	2.5%
	LDDT	58,700	0.3%		41	0.1%	89	0.0%	95	0.3%
	HDDV	156,741	0.9%		271	0.6%	1,522	0.5%	1,737	5.0%
	MC	212,119	1.2%		1,471	3.0%	6,629	2.0%	186	0.5%
	Total	17,553,363		19.7	48,341		331,396		34,710	
				total tons:	53.29		365.30		38.26	

	kg	ton	pct.
Exhaust	25,673	28.30	53.1%
Evaporative	4,926	5.43	10.2%
Refueling	0	0.00	0.0%
Running Loss	16,241	17.90	33.6%
Resting Loss	1,501	1.65	3.1%

Area Total

	LDGV	67,477,778	87.4%		142,907	87.4%	960,113	87.7%	116,951	82.0%
	LDGT1	2,718,937	3.5%		6,098	3.7%	50,429	4.6%	6,557	4.6%
	LDGT2	1,903,618	2.5%		4,527	2.8%	38,780	3.5%	4,728	3.3%
	HDGV	367,533	0.5%		1,296	0.8%	10,138	0.9%	1,950	1.4%
	LDDV	2,902,206	3.8%		1,301	0.8%	3,681	0.3%	3,699	2.6%
	LDDT	249,789	0.3%		143	0.1%	325	0.0%	385	0.3%
	HDDV	669,588	0.9%		1,056	0.6%	5,926	0.5%	7,512	5.3%
	MC	937,651	1.2%		6,263	3.8%	25,873	2.4%	922	0.6%
	Total:	77,227,100		23.5	163,591		1,095,265		142,705	
				Total Tons:	180.33		1,207.31		157.30	

	kg	tons	pct.
Exhaust	86,066	94.87	52.6%
Evaporative	19,280	21.25	11.8%
Refueling	0	0.00	0.0%
Running Loss	51,993	57.31	31.8%
Resting Loss	6,252	6.89	3.8%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	11,256,289	87.6%		21,655	87.0%	151,785	87.5%	20,456	82.3%
	LDGT1	439,011	3.4%		911	3.7%	7,883	4.5%	1,105	4.4%
	LDGT2	306,774	2.4%		702	2.8%	6,382	3.7%	817	3.3%
	HDGV	60,203	0.5%		200	0.8%	1,644	0.9%	327	1.3%
	LDDV	483,922	3.8%		205	0.8%	576	0.3%	650	2.6%
	LDDT	39,400	0.3%		21	0.1%	48	0.0%	63	0.3%
	HDDV	107,653	0.8%		159	0.6%	898	0.5%	1,259	5.1%
	MC	156,796	1.2%		1,029	4.1%	4,339	2.5%	167	0.7%
	Total	12,850,048		26.4	24,881		173,555		24,844	
				total tons:	27.43		191.31		27.39	

	kg	ton	pct.
Exhaust	13,497	14.88	54.2%
Evaporative	3,172	3.50	12.7%
Refueling	0	0.00	0.0%
Running Loss	7,189	7.92	28.9%
Resting Loss	1,024	1.13	4.1%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	8,783,345	86.6%		13,152	84.4%	91,991	84.9%	15,755	80.0%
	LDGT1	398,456	3.9%		694	4.5%	6,026	5.6%	1,004	5.1%
	LDGT2	278,221	2.7%		536	3.4%	4,929	4.6%	743	3.8%
	HDGV	53,668	0.5%		149	1.0%	1,271	1.2%	302	1.5%
	LDDV	378,292	3.7%		131	0.8%	374	0.3%	510	2.6%
	LDDT	36,723	0.4%		16	0.1%	38	0.0%	60	0.3%
	HDDV	97,484	1.0%		124	0.8%	707	0.7%	1,183	6.0%
	MC	121,675	1.2%		784	5.0%	2,981	2.8%	141	0.7%
	Total	10,147,864		33.8	15,587		108,316		19,699	
				total tons:	17.18		119.40		21.71	

	kg	ton	pct.
Exhaust	8,536	9.41	54.8%
Evaporative	2,416	2.66	15.5%
Refueling	0	0.00	0.0%
Running Loss	3,829	4.22	24.6%
Resting Loss	806	0.89	5.2%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	11,256,289	87.6%		21,655	87.0%	151,785	87.5%	20,456	82.3%
	LDGT1	439,011	3.4%		911	3.7%	7,883	4.5%	1,105	4.4%
	LDGT2	306,774	2.4%		702	2.8%	6,382	3.7%	817	3.3%
	HDGV	60,203	0.5%		200	0.8%	1,644	0.9%	327	1.3%
	LDDV	483,922	3.8%		205	0.8%	576	0.3%	650	2.6%
	LDDT	39,400	0.3%		21	0.1%	48	0.0%	63	0.3%
	HDDV	107,653	0.8%		159	0.6%	898	0.5%	1,259	5.1%
	MC	156,796	1.2%		1,029	4.1%	4,339	2.5%	167	0.7%
	Total	12,850,048		26.4	24,881		173,555		24,844	
				total tons:	27.43		191.31		27.39	

	kg	ton	pct.
Exhaust	13,497	14.88	54.2%
Evaporative	3,172	3.50	12.7%
Refueling	0	0.00	0.0%
Running Loss	7,189	7.92	28.9%
Resting Loss	1,024	1.13	4.1%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	8,783,345	86.6%		13,152	84.4%	91,991	84.9%	15,755	80.0%
	LDGT1	398,456	3.9%		694	4.5%	6,026	5.6%	1,004	5.1%
	LDGT2	278,221	2.7%		536	3.4%	4,929	4.6%	743	3.8%
	HDGV	53,668	0.5%		149	1.0%	1,271	1.2%	302	1.5%
	LDDV	378,292	3.7%		131	0.8%	374	0.3%	510	2.6%
	LDDT	36,723	0.4%		16	0.1%	38	0.0%	60	0.3%
	HDDV	97,484	1.0%		124	0.8%	707	0.7%	1,183	6.0%
	MC	121,675	1.2%		784	5.0%	2,981	2.8%	141	0.7%
	Total	10,147,864		33.8	15,587		108,316		19,699	
				total tons:	17.18		119.40		21.71	

	kg	ton	pct.
Exhaust	8,536	9.41	54.8%
Evaporative	2,416	2.66	15.5%
Refueling	0	0.00	0.0%
Running Loss	3,829	4.22	24.6%
Resting Loss	806	0.89	5.2%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
1999 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	1999 VMT speed	Growth from 1990	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)
7 Major Collector	255,182 38.1	300,644 37.5	1.18	414	347	214 -38.1%	2,496	2,082	1,172 -43.7%	490	418	341 -18.5%
8 Minor Collector	182,382 38.7	214,883 38.0	1.18	295	246	153 -37.7%	1,788	1,488	841 -43.5%	363	308	255 -17.4%
9 Local	657,835 28.9	775,020 28.8	1.18	1,325	1,120	684 -38.9%	8,787	7,428	4,175 -43.8%	1,267	1,076	889 -17.4%
Subtotal (kg) (tons)	3,447,789 44.5	3,955,733 43.7	1.15	4,942 5.45	4,277 4.71	2,592 2.86 -39.4%	31,105 34.29	27,398 30.20	14,608 16.10 -46.7%	7,445 8.21	6,622 7.30	5,213 5.75 -21.3%
Small Urban												
12 Other Fwy/Ex	68,563 65.0	84,792 65.0	1.24	107	86	59 -32.3%	1,155	934	537 -42.5%	224	181	157 -13.0%
14 Prin. Arterial	204,536 58.5	231,730 58.0	1.13	257	228	138 -39.6%	1,937	1,778	899 -49.5%	503	449	349 -22.4%
16 Minor Arterial	72,000 30.8	81,568 30.6	1.13	132	116	68 -41.2%	851	745	403 -45.9%	130	115	90 -21.6%
17 Collector	65,339 26.0	76,983 25.8	1.18	142	120	73 -39.4%	968	815	461 -43.4%	121	102	83 -18.6%
19 Local	108,487 23.6	127,816 23.5	1.18	253	214	129 -39.7%	1,779	1,506	849 -43.6%	198	168	137 -18.3%
Subtotal (kg) (tons)	518,925 37.1	602,889 36.8	1.16	891 0.98	765 0.84	467 0.51 -39.0%	6,690 7.37	5,778 6.37	3,149 3.47 -45.5%	1,176 1.30	1,016 1.12	817 0.90 -19.6%
Urban												
11 Interstate	2,719,850 60.8	3,383,607 53.0	1.24	3,956	3,249	2,108 -35.1%	28,856	29,667	13,513 -54.5%	7,378	6,849	5,256 -23.3%
12 Other Fwy/Ex	999,368 61.5	1,235,938 57.4	1.24	1,397	1,182	751 -36.5%	10,863	10,917	5,054 -53.7%	2,695	2,382	1,874 -21.3%
14 Prin. Arterial	4,177,372 28.2	4,732,841 27.2	1.13	8,394	7,193	4,300 -40.2%	55,985	47,480	26,575 -44.0%	7,368	6,533	5,081 -22.2%
16 Minor Arterial	2,234,060 20.3	2,531,120 19.5	1.13	5,900	4,998	2,976 -40.4%	42,625	36,348	20,424 -43.8%	3,872	3,421	2,686 -21.5%
17 Collector	1,520,523 14.3	1,791,430 13.2	1.18	6,043	4,789	2,966 -38.1%	38,876	31,341	18,664 -40.4%	2,865	2,411	2,002 -17.0%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	7,298,370	88.2%		14,655	87.8%	100,543	88.2%	12,088	83.0%
	LDGT1	260,358	3.1%		567	3.4%	4,890	4.3%	611	4.2%
	LDGT2	181,359	2.2%		414	2.5%	3,674	3.2%	431	3.0%
	HDGV	34,920	0.4%		122	0.7%	962	0.8%	182	1.2%
	LDDV	313,605	3.8%		136	0.8%	388	0.3%	383	2.6%
	LDDT	24,222	0.3%		14	0.1%	32	0.0%	37	0.3%
	HDDV	64,385	0.8%		106	0.6%	586	0.5%	730	5.0%
	MC	101,825	1.2%		676	4.1%	2,863	2.5%	98	0.7%
	Total	8,279,044		23.7	16,690		113,938		14,560	
				total tons:	18.40		125.59		16.05	

	kg	ton	pct.
Exhaust	8,813	9.71	52.8%
Evaporative	1,961	2.16	11.7%
Refueling	0	0.00	0.0%
Running Loss	5,256	5.79	31.5%
Resting Loss	660	0.73	4.0%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	14,770,267	87.7%		26,324	86.3%	179,285	86.9%	25,129	82.0%
	LDGT1	566,593	3.4%		1,194	3.9%	10,090	4.9%	1,382	4.5%
	LDGT2	396,975	2.4%		886	2.9%	7,763	3.8%	1,000	3.3%
	HDGV	75,639	0.4%		245	0.8%	1,956	0.9%	403	1.3%
	LDDV	634,947	3.8%		255	0.8%	727	0.4%	810	2.6%
	LDDT	51,741	0.3%		28	0.1%	65	0.0%	82	0.3%
	HDDV	138,570	0.8%		215	0.7%	1,227	0.6%	1,632	5.3%
	MC	205,237	1.2%		1,348	4.4%	5,292	2.6%	215	0.7%
	Total	16,839,969		26.8	30,494		206,405		30,654	
				total tons:	33.61		227.52		33.79	

	kg	ton	pct.
Exhaust	16,200	17.86	53.1%
Evaporative	4,030	4.44	13.2%
Refueling	0	0.00	0.0%
Running Loss	8,922	9.83	29.3%
Resting Loss	1,342	1.48	4.4%

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.852.046.032.006.037.004.011.012
1  5 43.9 87.7 20.6 27.3 20.6  7
[A 231F 6T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.926.010.007.001.040.001.002.013
1  5 44.4 84.8 20.6 27.3 20.6  7
[A 231F 6T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.924.011.007.001.040.001.003.013
1  5 40.8 94.2 20.6 27.3 20.6  7
[A 231F 6T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.931.007.005.001.040.001.002.013
1  5 43.6 90.8 20.6 27.3 20.6  7
[A 231F 6T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.920.012.009.002.040.001.003.013
1  5 48.1 80.0 20.6 27.3 20.6  7
[A 231F 6T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.929.008.006.001.040.001.002.013
1  5 39.1 87.7 20.6 27.3 20.6  7
[A 231F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.872.036.025.005.038.003.009.012
1  5 39.2 84.8 20.6 27.3 20.6  7
[A 231F 7T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.865.040.028.005.037.003.010.012
1  5 38.6 94.2 20.6 27.3 20.6  7
[A 231F 7T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5 39.1 90.8 20.6 27.3 20.6  7
[A 231F 7T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.854.045.031.006.037.004.011.012
1  5 39.7 80.0 20.6 27.3 20.6  7
[A 231F 7T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.006.013
1  5 39.3 87.7 20.6 27.3 20.6  7
[A 231F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.838.052.037.007.036.005.013.012
1  5 39.4 84.8 20.6 27.3 20.6  7
[A 231F 8T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.824.059.041.008.036.005.015.012
1  5 39.1 94.2 20.6 27.3 20.6  7
[A 231F 8T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 39.3 90.8 20.6 27.3 20.6  7
[A 231F 8T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
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1  5 39.6 80.0 20.6 27.3 20.6  7
[A 231F 8T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.867.039.027.005.037.004.009.012
1  5 28.6 87.7 20.6 27.3 20.6  7
[A 231F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
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1  5 28.6 84.8 20.6 27.3 20.6  7
[A 231F 9T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.868.039.027.005.037.003.009.012
1  5 28.2 94.2 20.6 27.3 20.6  7
[A 231F 9T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 28.6 90.8 20.6 27.3 20.6  7
[A 231F 9T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	14,388,104	87.3%		38,581	88.6%	268,463	88.8%	27,404	82.5%
	LDGT1	586,141	3.6%		1,565	3.6%	13,227	4.4%	1,563	4.7%
	LDGT2	412,431	2.5%		1,116	2.6%	9,664	3.2%	1,089	3.3%
	HDGV	79,590	0.5%		317	0.7%	2,504	0.8%	422	1.3%
	LDDV	618,960	3.8%		331	0.8%	913	0.3%	825	2.5%
	LDDT	54,756	0.3%		37	0.1%	81	0.0%	91	0.3%
	HDDV	146,110	0.9%		245	0.6%	1,386	0.5%	1,659	5.0%
	MC	199,372	1.2%		1,369	3.1%	6,005	2.0%	180	0.5%
	Total	16,485,464		20.7	43,561		302,244		33,233	
				total tons:	48.02		333.16		36.63	

	kg	ton	pct.
Exhaust	23,412	25.81	53.7%
Evaporative	4,626	5.10	10.6%
Refueling	0	0.00	0.0%
Running Loss	14,113	15.56	32.4%
Resting Loss	1,410	1.55	3.2%

Area Total

	LDGV	56,496,375	87.5%		114,366	87.2%	792,067	87.6%	100,832	82.0%
	LDGT1	2,250,559	3.5%		4,931	3.8%	42,117	4.7%	5,665	4.6%
	LDGT2	1,575,760	2.4%		3,654	2.8%	32,412	3.6%	4,081	3.3%
	HDGV	304,020	0.5%		1,033	0.8%	8,336	0.9%	1,637	1.3%
	LDDV	2,429,726	3.8%		1,059	0.8%	2,977	0.3%	3,179	2.6%
	LDDT	206,842	0.3%		116	0.1%	264	0.0%	332	0.3%
	HDDV	554,202	0.9%		848	0.6%	4,804	0.5%	6,462	5.3%
	MC	784,905	1.2%		5,206	4.0%	21,481	2.4%	801	0.7%
	Total:	64,602,389		25.2	131,213		904,458		122,989	
				Total Tons:	144.64		996.98		135.57	

	kg	tons	pct.
Exhaust	70,457	77.66	53.7%
Evaporative	16,205	17.86	12.3%
Refueling	0	0.00	0.0%
Running Loss	39,310	43.33	30.0%
Resting Loss	5,242	5.78	4.0%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2002 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2002 VMT speed	Growth from 1990	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)
Bucks County												
Rural												
2 Other Prin. Art	1,408,681 57.1	1,677,990 55.9	1.19	1,876	1,595	825 -48.3%	11,585	10,537	5,272 -50.0%	3,675	3,173	2,368 -25.4%
6 Minor Arterial	483,037 48.4	575,379 47.8	1.19	658	548	280 -48.9%	3,545	2,949	1,607 -45.5%	1,008	854	647 -24.3%
7 Major Collector	397,438 38.4	492,947 37.6	1.24	696	552	289 -47.6%	4,094	3,215	1,858 -42.2%	832	671	529 -21.2%
8 Minor Collector	482,045 37.1	597,838 35.2	1.24	900	692	370 -46.5%	5,429	4,094	2,466 -39.8%	1,009	817	644 -21.2%
9 Local	807,329 27.5	1,001,132 26.0	1.24	1,920	1,478	778 -47.4%	13,101	9,890	5,987 -39.5%	1,671	1,353	1,073 -20.7%
Subtotal (kg) (tons)	3,578,530 41.0	4,345,286 39.3	1.21	6,049 6.67	4,864 5.36	2,541 2.80 -47.8%	37,754 41.62	30,685 33.82	17,189 18.95 -44.0%	8,195 9.03	6,868 7.57	5,260 5.80 -23.4%
Small Urban												
12 Other Fwy/Ex	8,797 65.0	10,094 65.0	1.15	13	11	6 -47.6%	124	108	57 -47.8%	26	23	17 -26.9%
14 Prin. Arterial	200,079 57.1	238,331 56.0	1.19	265	225	116 -48.4%	1,632	1,479	741 -49.9%	510	439	325 -26.0%
16 Minor Arterial	10,764 31.1	12,821 30.9	1.19	21	18	9 -51.4%	134	112	61 -45.4%	21	17	13 -25.3%
17 Collector	32,617 26.2	40,450 25.9	1.24	77	62	31 -49.3%	528	421	241 -42.7%	67	54	42 -21.1%
19 Local	77,687 23.6	96,337 23.6	1.24	197	159	79 -50.1%	1,394	1,124	637 -43.3%	155	125	98 -21.3%
Subtotal (kg) (tons)	329,944 38.7	398,033 38.0	1.21	573 0.63	474 0.52	241 0.27 -49.2%	3,812 4.20	3,243 3.58	1,737 1.91 -46.5%	778 0.86	658 0.72	495 0.55 -24.7%
Urban												
11 Interstate	1,884,145 63.1	2,162,036 61.2	1.15	2,626	2,358	1,184 -49.8%	22,315	21,724	10,159 -53.2%	5,508	4,996	3,577 -28.4%
12 Other Fwy/Ex	764,982 63.9	877,817 63.8	1.15	1,094	955	496 -48.0%	10,277	9,020	4,672 -48.2%	2,285	1,998	1,471 -26.4%
14 Prin. Arterial	3,104,337 26.9	3,697,835 24.8	1.19	7,342	5,773	2,961 -48.7%	50,869	38,781	23,230 -40.1%	6,010	5,074	3,820 -24.7%

Phase II NOx Credit Calculated using MOBILE5b.
1/9/98

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,459,797	87.6%		10,345	80.3%	87,304	85.0%	14,679	78.0%
	LDGT1	522,843	3.4%		426	3.3%	3,874	3.8%	741	3.9%
	LDGT2	365,137	2.4%		335	2.6%	3,139	3.1%	615	3.3%
	HDGV	71,682	0.5%		165	1.3%	1,586	1.5%	363	1.9%
	LDDV	578,677	3.8%		261	2.0%	749	0.7%	777	4.1%
	LDDT	46,912	0.3%		26	0.2%	61	0.1%	74	0.4%
	HDDV	128,164	0.8%		200	1.6%	1,142	1.1%	1,371	7.3%
	MC	187,511	1.2%		1,122	8.7%	4,849	4.7%	194	1.0%
	Total	15,360,723		22.7	12,881		102,704		18,814	
				total tons:	14.20		113.21		20.74	
								w/ Phase II RFG NOx Credit	*19.68*	

	kg	ton	pct.
Exhaust	8,394	9.25	65.2%
Evaporative	1,569	1.73	12.2%
Refueling	0	0.00	0.0%
Running Loss	2,011	2.22	15.6%
Resting Loss	906	1.00	7.0%

Chester	LDGV	11,650,647	86.6%		6,858	53.2%	56,570	82.6%	12,322	75.4%
	LDGT1	526,004	3.9%		353	2.7%	3,187	4.7%	733	4.5%
	LDGT2	367,262	2.7%		278	2.2%	2,607	3.8%	617	3.8%
	HDGV	70,824	0.5%		130	1.0%	1,289	1.9%	371	2.3%
	LDDV	501,804	3.7%		181	1.4%	518	0.8%	653	4.0%
	LDDT	48,500	0.4%		22	0.2%	52	0.1%	76	0.5%
	HDDV	128,690	1.0%		170	1.3%	957	1.4%	1,395	8.5%
	MC	161,461	1.2%		921	7.1%	3,314	4.8%	179	1.1%
	Total	13,455,192		30.8	8,913		68,494		16,347	
				total tons:	9.82		75.50		18.02	
								w/ Phase II RFG NOx Credit	*17.09*	

	kg	ton	pct.
Exhaust	5,764	6.35	64.7%
Evaporative	1,333	1.47	15.0%
Refueling	0	0.00	0.0%
Running Loss	1,090	1.20	12.2%
Resting Loss	725	0.80	8.1%

Phase II RFG NOx Credit calculated using MOBILE5b.

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[A 233F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
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[A 233F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
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1  5 12.6 90.8 20.6 27.3 20.6  7
[A 233F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
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[A 233F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
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[A 233F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
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[A 233F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,270,674	87.7%		6,862	53.3%	57,401	85.5%	8,893	78.1%
	LDGT1	352,888	3.3%		281	2.2%	2,506	3.7%	439	3.9%
	LDGT2	246,078	2.3%		210	1.6%	1,914	2.9%	353	3.1%
	HDGV	47,631	0.5%		109	0.8%	962	1.4%	229	2.0%
	LDDV	398,432	3.8%		179	1.4%	507	0.8%	465	4.1%
	LDDT	32,717	0.3%		19	0.1%	43	0.1%	45	0.4%
	HDDV	87,468	0.8%		145	1.1%	788	1.2%	842	7.4%
	MC	129,383	1.2%		762	5.9%	3,023	4.5%	118	1.0%
	Total	10,565,271		22.2	8,568		67,145		11,385	
				total tons:	9.44		74.01		12.55	
							w/ Phase II RFG NOx Credit		*11.90*	

	kg	ton	pct.
Exhaust	5,565	6.13	65.0%
Evaporative	1,049	1.16	12.2%
Refueling	0	0.00	0.0%
Running Loss	1,384	1.53	16.2%
Resting Loss	569	0.63	6.6%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	17,785,693	87.6%		11,871	92.2%	98,565	84.6%	17,662	77.5%
	LDGT1	688,863	3.4%		540	4.2%	4,770	4.1%	909	4.0%
	LDGT2	482,729	2.4%		407	3.2%	3,698	3.2%	747	3.3%
	HDGV	91,999	0.5%		197	1.5%	1,787	1.5%	453	2.0%
	LDDV	764,605	3.8%		317	2.5%	901	0.8%	936	4.1%
	LDDT	62,960	0.3%		35	0.3%	80	0.1%	94	0.4%
	HDDV	168,525	0.8%		269	2.1%	1,514	1.3%	1,738	7.6%
	MC	247,177	1.2%		1,433	11.1%	5,228	4.5%	246	1.1%
	Total	20,292,551		25.1	15,069		116,544		22,785	
				total tons:	16.61		128.47		25.12	
							w/ Phase II RFG NOx Credit		*23.83*	

	kg	ton	pct.
Exhaust	9,773	10.77	64.9%
Evaporative	1,965	2.17	13.0%
Refueling	0	0.00	0.0%
Running Loss	2,236	2.47	14.8%
Resting Loss	1,095	1.21	7.3%

Phase II RFG NOx Credit calculated using MOBILE5b.

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2002 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2002 VMT speed	Growth from 1990	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)
	58.7	57.9				-42.2%			-42.9%			-16.9%
16 Minor Arterial	1,376 30.9	1,796 30.5	1.31	3	2	1 -44.5%	18	14	9 -37.9%	3	2	2 -16.5%
Subtotal (kg) (tons)	90,282 60.8	116,289 60.3	1.29	133 0.15	104 0.11	61 0.07 -41.8%	1,109 1.22	886 0.98	519 0.57 -41.4%	277 0.31	217 0.24	180 0.20 -17.3%
Urban												
11 Interstate	30,098 65.0	38,276 64.9	1.27	47	37	22 -41.3%	460	363	215 -40.7%	106	83	70 -15.6%
12 Other Fwy/Ex	1,923,471 62.4	2,446,074 58.8	1.27	2,685	2,202	1,209 -45.1%	19,953	19,125	9,341 -51.2%	5,416	4,590	3,483 -24.1%
14 Prin. Arterial	1,327,721 28.5	1,731,796 26.4	1.30	3,095	2,230	1,258 -43.6%	20,629	14,433	9,677 -32.9%	2,696	2,080	1,719 -17.4%
16 Minor Arterial	512,296 20.8	668,207 19.5	1.30	1,541	1,101	608 -44.8%	11,129	8,040	5,238 -34.8%	1,009	774	643 -16.9%
17 Collector	493,058 15.3	691,681 13.3	1.40	2,289	1,437	830 -42.2%	14,616	9,546	6,911 -27.6%	1,087	762	696 -8.6%
19 Local	454,946 10.8	638,207 8.9	1.40	2,828	1,755	987 -43.7%	17,604	11,025	8,357 -24.2%	1,065	738	687 -7.0%
Subtotal (kg) (tons)	4,741,590 26.8	6,214,241 23.4	1.31	12,484 13.76	8,761 9.66	4,914 5.42 -43.9%	84,390 93.02	62,532 68.93	39,741 43.81 -36.4%	11,378 12.54	9,028 9.95	7,298 8.04 -19.2%
Chester County Totals (kg) (tons)	10,147,864 33.8	13,455,192 30.8	1.33	21,785 24.01	15,587 17.18	8,913 9.82 -42.8%	145,821 160.74	108,316 119.40	68,494 75.50 -36.8%	25,288 27.88	19,699 21.71	16,347 18.02 -17.0%
											w/ Phase II Nox Credit	*17.09* -21.3%
Delaware County												
Rural												
2 Other Prin. Art	331,091 55.7	371,903 54.7	1.12	396	353	173 -50.9%	2,322	2,138	1,066 -50.1%	769	702	494 -29.6%
6 Minor Arterial	56,202 45.3	63,132 44.2	1.12	73	64	30 -52.4%	392	338	178 -47.2%	100	89	62 -30.3%
7 Major Collector	79,320 39.5	100,658 39.2	1.27	131	103	55 -47.0%	751	586	344 -41.3%	165	130	105 -19.6%

Phase II NOx Credit Calculated using MOBILE5b.
1/9/98

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,310,967	87.2%		14,847	115.3%	121,469	85.9%	17,192	78.1%
	LDGT1	628,339	3.6%		622	4.8%	5,499	3.9%	925	4.2%
	LDGT2	442,412	2.5%		451	3.5%	4,126	2.9%	719	3.3%
	HDGV	85,397	0.5%		229	1.8%	2,088	1.5%	427	1.9%
	LDDV	658,688	3.8%		362	2.8%	1,006	0.7%	869	3.9%
	LDDT	58,700	0.3%		41	0.3%	89	0.1%	95	0.4%
	HDDV	156,741	0.9%		271	2.1%	1,522	1.1%	1,608	7.3%
	MC	212,119	1.2%		1,307	10.1%	5,654	4.0%	186	0.8%
	Total	17,553,363		19.7	18,129		141,453		22,022	
				total tons:	19.98		155.92		24.28	
							w/ Phase II RFG NOx Credit		*22.93*	

	kg	ton	pct.
Exhaust	11,739	12.94	64.8%
Evaporative	1,968	2.17	10.9%
Refueling	0	0.00	0.0%
Running Loss	3,251	3.58	17.9%
Resting Loss	1,171	1.29	6.5%

Area Total

	LDGV	67,477,778	87.4%		50,783	79.9%	421,308	84.9%	70,748	77.4%
	LDGT1	2,718,937	3.5%		2,221	3.5%	19,835	4.0%	3,748	4.1%
	LDGT2	1,903,618	2.5%		1,680	2.6%	15,484	3.1%	3,052	3.3%
	HDGV	367,533	0.5%		830	1.3%	7,713	1.6%	1,845	2.0%
	LDDV	2,902,206	3.8%		1,301	2.0%	3,681	0.7%	3,699	4.0%
	LDDT	249,789	0.3%		143	0.2%	325	0.1%	385	0.4%
	HDDV	669,588	0.9%		1,056	1.7%	5,924	1.2%	6,954	7.6%
	MC	937,651	1.2%		5,544	8.7%	22,069	4.4%	922	1.0%
	Total:	77,227,100		23.5	63,558		496,339		91,354	
				Total Tons:	70.06		547.11		100.70	
							w/ Phase II RFG NOx Credit		*95.41*	

	kg	tons	pct.
Exhaust	41,235	45.45	64.9%
Evaporative	7,884	8.69	12.4%
Refueling	0	0.00	0.0%
Running Loss	9,973	10.99	15.7%
Resting Loss	4,467	4.92	7.0%

Phase II RFG NOx Credit calculated using MOBILE5b.

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[A 461F 8T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
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1  5 37.8 90.8 20.6 27.3 20.6  7
[A 461F 8T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.826.058.041.008.036.005.014.012
1  5 39.1 80.0 20.6 27.3 20.6  7
[A 461F 8T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.874.035.024.005.038.003.009.012
1  5 28.7 87.7 20.6 27.3 20.6  7
[A 461F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.858.043.030.006.037.004.010.012
1  5 28.8 84.8 20.6 27.3 20.6  7
[A 461F 9T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.849.048.033.006.037.004.011.012
1  5 28.4 94.2 20.6 27.3 20.6  7
[A 461F 9T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 28.7 90.8 20.6 27.3 20.6  7
[A 461F 9T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,925,924	87.6%		30,672	87.9%	201,803	88.1%	24,885	82.9%
	LDGT1	540,791	3.4%		1,216	3.5%	9,736	4.3%	1,321	4.4%
	LDGT2	377,676	2.4%		935	2.7%	7,755	3.4%	983	3.3%
	HDGV	74,142	0.5%		252	0.7%	1,755	0.8%	390	1.3%
	LDDV	598,722	3.8%		256	0.7%	769	0.3%	773	2.6%
	LDDT	48,523	0.3%		26	0.1%	62	0.0%	73	0.2%
	HDDV	132,568	0.8%		205	0.6%	1,185	0.5%	1,395	4.6%
	MC	194,007	1.2%		1,318	3.8%	6,006	2.6%	199	0.7%
	Total	15,892,353		22.0	34,880		229,071		30,019	
				total tons:	38.45		252.51		33.09	

	kg	ton	pct.
Exhaust	17,950	19.79	51.5%
Evaporative	3,908	4.31	11.2%
Refueling	0	0.00	0.0%
Running Loss	11,757	12.96	33.7%
Resting Loss	1,265	1.39	3.6%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	12,300,302	86.6%		19,810	85.2%	128,969	85.7%	21,174	80.6%
	LDGT1	554,673	3.9%		992	4.3%	7,925	5.3%	1,328	5.1%
	LDGT2	387,487	2.7%		762	3.3%	6,388	4.2%	990	3.8%
	HDGV	74,724	0.5%		205	0.9%	1,473	1.0%	407	1.5%
	LDDV	529,766	3.7%		185	0.8%	542	0.4%	664	2.5%
	LDDT	51,166	0.4%		23	0.1%	54	0.0%	77	0.3%
	HDDV	135,780	1.0%		177	0.8%	1,007	0.7%	1,442	5.5%
	MC	170,462	1.2%		1,106	4.8%	4,136	2.7%	187	0.7%
	Total	14,204,360		29.9	23,259		150,493		26,267	
				total tons:	25.64		165.89		28.95	

	kg	ton	pct.
Exhaust	12,249	13.50	52.7%
Evaporative	3,375	3.72	14.5%
Refueling	0	0.00	0.0%
Running Loss	6,507	7.17	28.0%
Resting Loss	1,128	1.24	4.8%

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.914.016.011.002.039.001.004.013
1  5 25.6 90.8 20.6 27.3 20.6  7
[A 462F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 26.3 80.0 20.6 27.3 20.6  7
[A 462F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 23.5 87.7 20.6 27.3 20.6  7
[A 462F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 23.5 84.8 20.6 27.3 20.6  7
[A 462F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.890.028.019.004.038.002.007.012
1  5 23.5 94.2 20.6 27.3 20.6  7
[A 462F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 23.5 90.8 20.6 27.3 20.6  7
[A 462F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5 23.6 80.0 20.6 27.3 20.6  7
[A 462F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 50.5 87.7 20.6 27.3 20.6  7
[A 463F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.830.056.039.008.036.005.014.012
1  5 55.5 84.8 20.6 27.3 20.6  7
[A 463F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.850.046.032.007.037.004.012.012
1  5 38.8 94.2 20.6 27.3 20.6  7
[A 463F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.863.040.028.005.038.004.010.012
1  5 50.4 90.8 20.6 27.3 20.6  7
[A 463F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.843.050.035.007.036.005.012.012
1  5 64.0 80.0 20.6 27.3 20.6  7
[A 463F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.766.088.062.012.032.008.022.010
1  5 55.6 87.7 20.6 27.3 20.6  7
[A 463F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.886.029.020.004.038.003.007.013
1  5 58.6 84.8 20.6 27.3 20.6  7
[A 463F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.897.023.017.003.039.002.006.013
1  5 47.3 94.2 20.6 27.3 20.6  7
[A 463F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.903.021.014.003.039.002.005.013
1  5 55.6 90.8 20.6 27.3 20.6  7
[A 463F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.894.025.018.003.039.002.006.013
1  5 63.3 80.0 20.6 27.3 20.6  7
[A 463F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.853.045.032.006.037.004.011.012
1  5 26.7 87.7 20.6 27.3 20.6  7
[A 463F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.901.022.015.003.039.002.005.013
1  5 27.0 84.8 20.6 27.3 20.6  7
[A 463F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,589,527	87.7%		20,435	87.9%	132,983	88.4%	15,213	83.1%
	LDGT1	365,103	3.3%		810	3.5%	6,426	4.3%	791	4.3%
	LDGT2	254,600	2.3%		589	2.5%	4,806	3.2%	563	3.1%
	HDGV	49,281	0.5%		167	0.7%	1,095	0.7%	245	1.3%
	LDDV	412,138	3.8%		180	0.8%	525	0.3%	465	2.5%
	LDDT	33,853	0.3%		19	0.1%	44	0.0%	45	0.2%
	HDDV	90,497	0.8%		150	0.6%	822	0.5%	856	4.7%
	MC	133,828	1.2%		896	3.9%	3,759	2.5%	121	0.7%
	Total	10,928,827		21.6	23,245		150,460		18,299	
				total tons:	25.62		165.85		20.17	

	kg	ton	pct.
Exhaust	11,836	13.05	50.9%
Evaporative	2,662	2.93	11.5%
Refueling	0	0.00	0.0%
Running Loss	7,877	8.68	33.9%
Resting Loss	870	0.96	3.7%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	18,347,033	87.6%		34,239	86.7%	220,729	87.3%	29,831	82.5%
	LDGT1	710,307	3.4%		1,523	3.9%	11,898	4.7%	1,613	4.5%
	LDGT2	497,695	2.4%		1,132	2.9%	9,131	3.6%	1,175	3.3%
	HDGV	94,861	0.5%		304	0.8%	2,066	0.8%	487	1.3%
	LDDV	788,728	3.8%		316	0.8%	922	0.4%	934	2.6%
	LDDT	64,910	0.3%		35	0.1%	82	0.0%	92	0.3%
	HDDV	173,773	0.8%		274	0.7%	1,559	0.6%	1,755	4.9%
	MC	254,971	1.2%		1,677	4.2%	6,380	2.5%	251	0.7%
	Total	20,932,278		24.7	39,500		252,766		36,139	
				total tons:	43.54		278.62		39.84	

	kg	ton	pct.
Exhaust	20,307	22.38	51.4%
Evaporative	4,961	5.47	12.6%
Refueling	0	0.00	0.0%
Running Loss	12,564	13.85	31.8%
Resting Loss	1,668	1.84	4.2%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
Bucks County												
Rural												
2 Other Prin. Art	1,408,681 57.1	1,733,864 55.6	1.23	1,892	1,559	749 -52.0%	11,094	9,879	4,958 -49.8%	3,730	3,138	2,280 -27.3%
6 Minor Arterial	483,037 48.4	594,549 47.7	1.23	672	538	255 -52.6%	3,489	2,795	1,555 -44.4%	1,036	850	634 -25.4%
7 Major Collector	397,438 38.4	512,074 37.4	1.29	717	544	264 -51.5%	4,140	3,103	1,843 -40.6%	860	668	520 -22.1%
8 Minor Collector	482,045 37.1	621,066 34.7	1.29	930	682	342 -49.9%	5,561	3,958	2,476 -37.4%	1,043	814	634 -22.2%
9 Local	807,329 27.5	1,040,176 25.7	1.29	1,993	1,459	717 -50.9%	13,582	9,699	6,065 -37.5%	1,725	1,347	1,051 -22.0%
Subtotal (kg) (tons)	3,578,530 41.0	4,501,729 38.9	1.26	6,204 6.84	4,782 5.27	2,327 2.56 -51.3%	37,866 41.74	29,435 32.45	16,898 18.63 -42.6%	8,394 9.25	6,817 7.51	5,119 5.64 -24.9%
Small Urban												
12 Other Fwy/Ex	8,797 65.0	10,416 65.0	1.18	13	11	5 -50.6%	118	100	53 -47.0%	27	23	16 -28.4%
14 Prin. Arterial	200,079 57.1	246,267 55.8	1.23	267	220	106 -52.0%	1,565	1,390	699 -49.7%	518	435	314 -27.7%
16 Minor Arterial	10,764 31.1	13,246 30.9	1.23	22	17	8 -55.2%	135	109	60 -44.6%	21	17	13 -26.3%
17 Collector	32,617 26.2	42,025 25.9	1.29	80	61	29 -53.2%	540	414	241 -41.7%	69	53	42 -22.1%
19 Local	77,687 23.6	100,069 23.6	1.29	203	157	73 -53.9%	1,431	1,109	640 -42.3%	160	124	97 -22.2%
Subtotal (kg) (tons)	329,944 38.7	412,025 37.9	1.25	584 0.64	467 0.51	220 0.24 -52.9%	3,790 4.18	3,121 3.44	1,693 1.87 -45.7%	795 0.88	652 0.72	482 0.53 -26.2%
Urban												
11 Interstate	1,884,145 63.1	2,231,388 60.5	1.18	2,623	2,298	1,066 -53.6%	20,448	20,008	9,133 -54.4%	5,519	4,918	3,408 -30.7%
12 Other Fwy/Ex	764,982 63.9	905,970 63.7	1.18	1,100	931	452 -51.5%	9,747	8,319	4,342 -47.8%	2,322	1,971	1,420 -27.9%
14 Prin. Arterial	3,104,337 26.9	3,820,914 24.3	1.23	7,640	5,713	2,730 -52.2%	52,991	38,085	23,670 -37.8%	6,185	5,058	3,741 -26.0%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,485,387	87.2%		43,272	88.8%	293,761	89.1%	28,713	82.9%
	LDGT1	636,001	3.6%		1,728	3.5%	13,973	4.2%	1,625	4.7%
	LDGT2	447,874	2.5%		1,241	2.5%	10,381	3.1%	1,150	3.3%
	HDGV	86,440	0.5%		326	0.7%	2,170	0.7%	443	1.3%
	LDDV	666,201	3.8%		339	0.7%	986	0.3%	820	2.4%
	LDDT	59,409	0.3%		38	0.1%	86	0.0%	88	0.3%
	HDDV	158,652	0.9%		270	0.6%	1,532	0.5%	1,601	4.6%
	MC	214,544	1.2%		1,491	3.1%	6,755	2.0%	187	0.5%
	Total	17,754,508		19.6	48,705		329,646		34,626	
				total tons:	53.69		363.37		38.17	

	kg	ton	pct.
Exhaust	25,817	28.46	53.0%
Evaporative	4,866	5.36	10.0%
Refueling	0	0.00	0.0%
Running Loss	16,605	18.30	34.1%
Resting Loss	1,417	1.56	2.9%

Area Total

	LDGV	69,648,173	87.4%		148,428	87.5%	978,245	87.9%	119,816	82.4%
	LDGT1	2,806,875	3.5%		6,268	3.7%	49,959	4.5%	6,677	4.6%
	LDGT2	1,965,332	2.5%		4,659	2.7%	38,462	3.5%	4,862	3.3%
	HDGV	379,448	0.5%		1,254	0.7%	8,558	0.8%	1,972	1.4%
	LDDV	2,995,555	3.8%		1,275	0.8%	3,743	0.3%	3,657	2.5%
	LDDT	257,861	0.3%		141	0.1%	329	0.0%	374	0.3%
	HDDV	691,270	0.9%		1,077	0.6%	6,105	0.5%	7,049	4.8%
	MC	967,812	1.2%		6,488	3.8%	27,035	2.4%	945	0.6%
	Total:	79,712,326		23.0	169,588		1,112,436		145,351	
				Total Tons:	186.94		1,226.24		160.22	

	kg	tons	pct.
Exhaust	88,159	97.18	52.0%
Evaporative	19,772	21.79	11.7%
Refueling	0	0.00	0.0%
Running Loss	55,310	60.97	32.6%
Resting Loss	6,348	7.00	3.7%

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1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Philadelphia County, 2005 Uncontrolled Baseline
1     tamflg
1     spdflg
2     vmflag
3     mymrfg
5     newflg
21        imflag
1     alhflg
1     atpflg
5     rlflag
1     locflg -- Must be 1
1     temflg
3     outfmt -- Must be 3; Overridden by PPAQ1
4     prtflg
1     idlflg
3     nmhflg
3     hcflag
.037 .054 .056 .064 .070 .080 .085 .088 .081 .077      * Distribution by Vehicle
.053 .042 .038 .035 .038 .031 .023 .014 .007 .006      * County:Philadelphia
.005 .004 .003 .003 .006                               * Filename:     philage.da
.024 .039 .043 .051 .062 .070 .076 .092 .072 .066
.052 .040 .036 .039 .058 .046 .035 .023 .016 .015
.011 .008 .006 .007 .011
.027 .059 .052 .076 .076 .082 .081 .092 .069 .052
.037 .035 .032 .031 .046 .044 .024 .015 .012 .017
.014 .009 .005 .003 .007
.016 .036 .033 .041 .065 .074 .096 .076 .072 .048
.044 .042 .034 .038 .052 .026 .022 .025 .042 .029
.024 .016 .015 .020 .010
.037 .054 .056 .064 .070 .080 .085 .088 .081 .077
.053 .042 .038 .035 .038 .031 .023 .014 .007 .006
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.052 .040 .036 .039 .058 .046 .035 .023 .016 .015
.011 .008 .006 .007 .011
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.039 .051 .032 .039 .040 .042 .066 .076 .081 .055
.062 .420 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 46.7 87.7 20.6 27.3 20.6  7
[A 673F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.814.064.045.009.035.006.016.011
1  5 52.2 84.8 20.6 27.3 20.6  7
[A 673F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.837.053.037.007.036.005.013.012
1  5 34.0 94.2 20.6 27.3 20.6  7
[A 673F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.851.046.032.006.037.004.012.012
1  5 46.6 90.8 20.6 27.3 20.6  7
[A 673F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.829.057.040.008.036.005.014.011
1  5 63.4 80.0 20.6 27.3 20.6  7
[A 673F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	11,256,289	87.6%		21,364	87.1%	147,320	87.7%	20,401	82.8%
	LDGT1	439,011	3.4%		898	3.7%	7,457	4.4%	1,096	4.4%
	LDGT2	306,774	2.4%		688	2.8%	5,963	3.6%	816	3.3%
	HDGV	60,203	0.5%		184	0.8%	1,326	0.8%	321	1.3%
	LDDV	483,922	3.8%		192	0.8%	561	0.3%	627	2.5%
	LDDT	39,400	0.3%		20	0.1%	47	0.0%	60	0.2%
	HDDV	107,653	0.8%		156	0.6%	888	0.5%	1,150	4.7%
	MC	156,796	1.2%		1,029	4.2%	4,339	2.6%	167	0.7%
	Total	12,850,048		26.4	24,531		167,901		24,636	
				total tons:	27.04		185.08		27.16	

	kg	ton	pct.
Exhaust	13,161	14.51	53.7%
Evaporative	3,160	3.48	12.9%
Refueling	0	0.00	0.0%
Running Loss	7,188	7.92	29.3%
Resting Loss	1,022	1.13	4.2%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	8,783,345	86.6%		13,047	84.5%	89,121	85.3%	15,732	80.5%
	LDGT1	398,456	3.9%		683	4.4%	5,640	5.4%	994	5.1%
	LDGT2	278,221	2.7%		524	3.4%	4,564	4.4%	742	3.8%
	HDGV	53,668	0.5%		139	0.9%	1,042	1.0%	297	1.5%
	LDDV	378,292	3.7%		124	0.8%	366	0.4%	495	2.5%
	LDDT	36,723	0.4%		16	0.1%	38	0.0%	57	0.3%
	HDDV	97,484	1.0%		121	0.8%	699	0.7%	1,080	5.5%
	MC	121,675	1.2%		784	5.1%	2,981	2.9%	141	0.7%
	Total	10,147,864		33.8	15,438		104,453		19,538	
				total tons:	17.02		115.14		21.54	

	kg	ton	pct.
Exhaust	8,394	9.25	54.4%
Evaporative	2,411	2.66	15.6%
Refueling	0	0.00	0.0%
Running Loss	3,828	4.22	24.8%
Resting Loss	806	0.89	5.2%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
	58.7	57.6				-45.5%			-41.8%			-16.9%
16 Minor Arterial	1,376 30.9	1,899 30.4	1.38	3	2	1 -47.9%	19	14	9 -35.3%	3	2	2 -13.3%
Subtotal (kg)	90,282	122,462	1.36	138	103	56	1,086	830	499	287	215	177
(tons)	60.8	60.1		0.15	0.11	0.06 -45.1%	1.20	0.92	0.55 -39.9%	0.32	0.24	0.20 -17.4%
Urban												
11 Interstate	30,098 65.0	40,135 64.9	1.33	48	36	20 -44.6%	446	336	204 -39.3%	109	82	69 -16.0%
12 Other Fwy/Ex	1,923,471 62.4	2,564,818 57.5	1.33	2,760	2,171	1,108 -49.0%	18,827	17,931	8,658 -51.7%	5,474	4,545	3,355 -26.2%
14 Prin. Arterial	1,327,721 28.5	1,831,219 25.9	1.38	3,309	2,212	1,190 -46.2%	22,027	14,182	10,130 -28.6%	2,839	2,071	1,726 -16.6%
16 Minor Arterial	512,296 20.8	706,578 19.0	1.38	1,669	1,095	578 -47.2%	11,853	7,966	5,467 -31.4%	1,062	770	644 -16.3%
17 Collector	493,058 15.3	732,860 12.7	1.49	2,487	1,426	778 -45.5%	15,641	9,424	7,244 -23.1%	1,150	759	703 -7.3%
19 Local	454,946 10.8	676,194 8.3	1.49	3,222	1,738	952 -45.2%	19,271	10,813	8,947 -17.3%	1,136	734	697 -5.0%
Subtotal (kg)	4,741,590	6,551,804	1.38	13,495	8,678	4,625	88,065	60,653	40,651	11,770	8,960	7,194
(tons)	26.8	22.4		14.88	9.57	5.10 -46.7%	97.07	66.86	44.81 -33.0%	12.97	9.88	7.93 -19.7%
Chester County Totals (kg)	10,147,864	14,204,360	1.40	23,259	15,438	8,366	150,493	104,453	69,309	26,267	19,538	16,162
(tons)	33.8	29.9		25.64	17.02	9.22 -45.8%	165.89	115.14	76.40 -33.6%	28.95	21.54	17.82 -17.3%
											w/ Phase II Nox Cre	*16.89* *-21.6%*
Delaware County												
Rural												
2 Other Prin. Art	331,091 55.7	384,199 54.4	1.16	405	348	160 -54.0%	2,255	2,011	1,026 -49.0%	778	693	477 -31.2%
6 Minor Arterial	56,202 45.3	65,219 43.9	1.16	76	63	28 -55.4%	390	322	176 -45.2%	103	89	61 -31.1%
7 Major Collector	79,320 39.5	104,334 39.1	1.32	136	102	50 -50.6%	752	564	340 -39.7%	170	130	103 -20.4%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	7,298,370	88.2%		14,554	87.9%	98,343	88.4%	12,050	83.5%
	LDGT1	260,358	3.1%		562	3.4%	4,689	4.2%	607	4.2%
	LDGT2	181,359	2.2%		408	2.5%	3,521	3.2%	432	3.0%
	HDGV	34,920	0.4%		113	0.7%	790	0.7%	178	1.2%
	LDDV	313,605	3.8%		130	0.8%	381	0.3%	371	2.6%
	LDDT	24,222	0.3%		13	0.1%	31	0.0%	35	0.2%
	HDDV	64,385	0.8%		103	0.6%	579	0.5%	667	4.6%
	MC	101,825	1.2%		676	4.1%	2,863	2.6%	98	0.7%
	Total	8,279,044		23.7	16,560		111,196		14,438	
				total tons:	18.25		122.57		15.91	

	kg	ton	pct.
Exhaust	8,626	9.51	52.1%
Evaporative	2,017	2.22	12.2%
Refueling	0	0.00	0.0%
Running Loss	5,257	5.79	31.7%
Resting Loss	660	0.73	4.0%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	14,770,267	87.7%		26,083	86.4%	175,077	87.1%	25,083	82.4%
	LDGT1	566,593	3.4%		1,175	3.9%	9,606	4.8%	1,371	4.5%
	LDGT2	396,975	2.4%		873	2.9%	7,394	3.7%	999	3.3%
	HDGV	75,639	0.4%		231	0.8%	1,643	0.8%	397	1.3%
	LDDV	634,947	3.8%		243	0.8%	713	0.4%	788	2.6%
	LDDT	51,741	0.3%		27	0.1%	64	0.0%	79	0.3%
	HDDV	138,570	0.8%		210	0.7%	1,213	0.6%	1,491	4.9%
	MC	205,237	1.2%		1,348	4.5%	5,292	2.6%	215	0.7%
	Total	16,839,969		26.8	30,189		201,003		30,423	
				total tons:	33.28		221.57		33.53	

	kg	ton	pct.
Exhaust	15,935	17.57	52.8%
Evaporative	3,991	4.40	13.2%
Refueling	0	0.00	0.0%
Running Loss	8,920	9.83	29.5%
Resting Loss	1,342	1.48	4.4%

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[A 673F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
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[A 673F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
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1  5 10.1 90.8 20.6 27.3 20.6  7
[A 673F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
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[A 673F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	14,388,104	87.3%		38,204	88.7%	262,736	89.1%	27,180	82.9%
	LDGT1	586,141	3.6%		1,538	3.6%	12,517	4.2%	1,550	4.7%
	LDGT2	412,431	2.5%		1,103	2.6%	9,299	3.2%	1,097	3.3%
	HDGV	79,590	0.5%		289	0.7%	1,962	0.7%	415	1.3%
	LDDV	618,960	3.8%		303	0.7%	880	0.3%	769	2.3%
	LDDT	54,756	0.3%		34	0.1%	77	0.0%	83	0.3%
	HDDV	146,110	0.9%		240	0.6%	1,371	0.5%	1,515	4.6%
	MC	199,372	1.2%		1,369	3.2%	6,005	2.0%	180	0.5%
	Total	16,485,464		20.7	43,080		294,847		32,789	
				total tons:	47.49		325.01		36.14	

	kg	ton	pct.
Exhaust	23,135	25.50	53.7%
Evaporative	4,518	4.98	10.5%
Refueling	0	0.00	0.0%
Running Loss	14,111	15.55	32.8%
Resting Loss	1,316	1.45	3.1%

Area Total

	LDGV	56,496,375	87.5%		113,251	87.3%	772,597	87.9%	100,446	82.5%
	LDGT1	2,250,559	3.5%		4,855	3.7%	39,910	4.5%	5,618	4.6%
	LDGT2	1,575,760	2.4%		3,596	2.8%	30,742	3.5%	4,085	3.4%
	HDGV	304,020	0.5%		956	0.7%	6,762	0.8%	1,609	1.3%
	LDDV	2,429,726	3.8%		992	0.8%	2,901	0.3%	3,050	2.5%
	LDDT	206,842	0.3%		109	0.1%	257	0.0%	314	0.3%
	HDDV	554,202	0.9%		831	0.6%	4,750	0.5%	5,902	4.8%
	MC	784,905	1.2%		5,206	4.0%	21,481	2.4%	801	0.7%
	Total:	64,602,389		25.2	129,797		879,400		121,824	
				Total Tons:	143.08		969.36		134.29	

	kg	tons	pct.
Exhaust	69,251	76.33	53.4%
Evaporative	16,097	17.74	12.4%
Refueling	0	0.00	0.0%
Running Loss	39,304	43.32	30.3%
Resting Loss	5,146	5.67	4.0%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
8 Minor Collector	182,382 38.7	231,158 37.7	1.27	308	237	115 -51.7%	1,752	1,334	802 -39.9%	380	300	233 -22.5%
9 Local	657,835 28.9	833,723 28.7	1.27	1,387	1,089	506 -53.5%	8,903	6,975	4,082 -41.5%	1,333	1,052	818 -22.2%
Subtotal (kg) (tons)	3,447,789 44.5	4,225,686 43.2	1.23	5,083 5.60	4,100 4.52	1,944 2.14 -52.6%	29,298 32.30	23,970 26.42	13,447 14.82 -43.9%	7,645 8.43	6,413 7.07	4,680 5.16 -27.0%
Small Urban												
12 Other Fwy/Ex	68,563 65.0	89,484 65.0	1.31	105	81	44 -45.6%	959	735	442 -39.9%	225	173	139 -19.7%
14 Prin. Arterial	204,536 58.5	246,705 57.8	1.21	259	217	104 -52.2%	1,667	1,457	765 -47.5%	515	434	312 -28.1%
16 Minor Arterial	72,000 30.8	86,840 30.4	1.21	137	113	50 -55.9%	851	695	391 -43.8%	136	113	82 -27.1%
17 Collector	65,339 26.0	82,818 25.7	1.27	150	117	54 -53.9%	1,000	776	459 -40.8%	127	100	77 -23.2%
19 Local	108,487 23.6	137,482 23.5	1.27	266	209	95 -54.5%	1,842	1,449	846 -41.6%	210	165	127 -23.2%
Subtotal (kg) (tons)	518,925 37.1	643,329 36.6	1.24	917 1.01	736 0.81	346 0.38 -53.0%	6,319 6.97	5,112 5.64	2,903 3.20 -43.2%	1,213 1.34	986 1.09	737 0.81 -25.2%
Urban												
11 Interstate	2,719,850 60.8	3,549,737 50.5	1.31	4,056	3,046	1,587 -47.9%	24,952	23,670	11,464 -51.6%	7,184	6,524	4,464 -31.6%
12 Other Fwy/Ex	999,388 61.5	1,304,320 55.6	1.31	1,391	1,111	558 -49.8%	8,799	8,766	4,050 -53.8%	2,649	2,290	1,616 -29.5%
14 Prin. Arterial	4,177,372 28.2	5,038,627 26.7	1.21	8,836	7,002	3,143 -55.1%	57,883	44,806	26,552 -40.7%	7,706	6,425	4,650 -27.6%
16 Minor Arterial	2,234,060 20.3	2,694,667 19.0	1.21	6,338	4,887	2,195 -55.1%	45,000	35,423	20,708 -41.5%	4,061	3,369	2,467 -26.8%
17 Collector	1,520,523 14.3	1,927,083 12.6	1.27	6,591	4,681	2,064 -55.9%	41,350	30,205	19,107 -36.7%	3,045	2,363	1,856 -21.4%
19 Local	1,222,062 10.9	1,548,829 10.0	1.27	6,266	4,626	1,951 -57.8%	39,165	29,051	18,112 -37.7%	2,635	2,053	1,640 -20.1%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,925,924	87.6%		9,363	78.9%	87,541	85.3%	14,367	78.5%
	LDGT1	540,791	3.4%		389	3.3%	3,711	3.6%	716	3.9%
	LDGT2	377,676	2.4%		303	2.6%	2,936	2.9%	592	3.2%
	HDGV	74,142	0.5%		150	1.3%	1,289	1.3%	349	1.9%
	LDDV	598,722	3.8%		256	2.2%	769	0.7%	773	4.2%
	LDDT	48,523	0.3%		26	0.2%	62	0.1%	73	0.4%
	HDDV	132,568	0.8%		205	1.7%	1,184	1.2%	1,234	6.7%
	MC	194,007	1.2%		1,169	9.9%	5,123	5.0%	199	1.1%
	Total	15,892,353		22.0	11,862		102,614		18,304	
				total tons:	13.08		113.11		20.18	
								w/ Phase II RFG NOx Credit	*19.36*	

	kg	ton	pct.
Exhaust	8,279	9.13	69.8%
Evaporative	1,371	1.51	11.6%
Refueling	0	0.00	0.0%
Running Loss	1,539	1.70	13.0%
Resting Loss	673	0.74	5.7%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	12,300,302	86.6%		6,303	75.3%	57,570	83.1%	12,273	75.9%
	LDGT1	554,673	3.9%		327	3.9%	3,073	4.4%	721	4.5%
	LDGT2	387,487	2.7%		256	3.1%	2,454	3.5%	602	3.7%
	HDGV	74,724	0.5%		120	1.4%	1,082	1.6%	364	2.2%
	LDDV	529,766	3.7%		185	2.2%	542	0.8%	664	4.1%
	LDDT	51,166	0.4%		23	0.3%	54	0.1%	77	0.5%
	HDDV	135,780	1.0%		177	2.1%	1,006	1.5%	1,276	7.9%
	MC	170,462	1.2%		975	11.7%	3,528	5.1%	187	1.2%
	Total	14,204,360		29.9	8,366		69,309		16,162	
				total tons:	9.22		76.40		17.82	
								w/ Phase II RFG NOx Credit	*16.89*	

	kg	ton	pct.
Exhaust	5,753	6.34	68.8%
Evaporative	1,208	1.33	14.4%
Refueling	0	0.00	0.0%
Running Loss	855	0.94	10.2%
Resting Loss	551	0.61	6.6%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,485,387	87.2%		13,161	80.8%	119,035	86.3%	16,450	78.6%
	LDGT1	636,001	3.6%		548	3.4%	5,064	3.7%	871	4.2%
	LDGT2	447,874	2.5%		400	2.5%	3,828	2.8%	682	3.3%
	HDGV	86,440	0.5%		198	1.2%	1,595	1.2%	402	1.9%
	LDDV	666,201	3.8%		339	2.1%	986	0.7%	820	3.9%
	LDDT	59,409	0.3%		38	0.2%	86	0.1%	88	0.4%
	HDDV	158,652	0.9%		270	1.7%	1,530	1.1%	1,417	6.8%
	MC	214,544	1.2%		1,325	8.1%	5,762	4.2%	187	0.9%
	Total	17,754,508		19.6	16,279		137,887		20,917	
				total tons:	17.94		151.99		23.06	
									w/ Phase II RFG NOx Credit	*21.85*

	kg	ton	pct.
Exhaust	11,291	12.45	69.4%
Evaporative	1,648	1.82	10.1%
Refueling	0	0.00	0.0%
Running Loss	2,424	2.67	14.9%
Resting Loss	916	1.01	5.6%

Area Total

	LDGV	69,648,173	87.4%		45,746	78.5%	421,516	85.2%	69,090	78.0%
	LDGT1	2,806,875	3.5%		2,015	3.5%	18,904	3.8%	3,610	4.1%
	LDGT2	1,965,332	2.5%		1,525	2.6%	14,621	3.0%	2,934	3.3%
	HDGV	379,448	0.5%		746	1.3%	6,274	1.3%	1,766	2.0%
	LDDV	2,995,555	3.8%		1,275	2.2%	3,743	0.8%	3,657	4.1%
	LDDT	257,861	0.3%		141	0.2%	329	0.1%	374	0.4%
	HDDV	691,270	0.9%		1,077	1.8%	6,099	1.2%	6,238	7.0%
	MC	967,812	1.2%		5,745	9.9%	23,060	4.7%	945	1.1%
	Total:	79,712,326		23.0	58,271		494,547		88,614	
				Total Tons:	64.23		545.14		97.68	
									w/ Phase II RFG NOx Credit	*92.75*

	kg	tons	pct.
Exhaust	40,394	44.53	69.3%
Evaporative	6,933	7.64	11.9%
Refueling	0	0.00	0.0%
Running Loss	7,529	8.30	12.9%
Resting Loss	3,415	3.76	5.9%

Phase II RFG NOx Credit calculated using MOBILE5b.

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1  5 48.6 84.8 20.6 27.3 20.6  7
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1  5 47.5 94.2 20.6 27.3 20.6  7
[A  91F 6T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
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1  5 48.3 90.8 20.6 27.3 20.6  7
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1  5 49.5 80.0 20.6 27.3 20.6  7
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1  5 38.4 87.7 20.6 27.3 20.6  7
[A  91F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
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1  5 38.6 84.8 20.6 27.3 20.6  7
[A  91F 7T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
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1  5 37.3 94.2 20.6 27.3 20.6  7
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1  5 38.4 90.8 20.6 27.3 20.6  7
[A  91F 7T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
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1  5 39.4 80.0 20.6 27.3 20.6  7
[A  91F 7T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.898.023.017.003.038.002.006.013
1  5 37.1 87.7 20.6 27.3 20.6  7
[A  91F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.872.036.025.005.038.003.009.012
1  5 37.7 84.8 20.6 27.3 20.6  7
[A  91F 8T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 34.9 94.2 20.6 27.3 20.6  7
[A  91F 8T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5 37.2 90.8 20.6 27.3 20.6  7
[A  91F 8T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.853.045.032.006.037.004.011.012
1  5 38.9 80.0 20.6 27.3 20.6  7
[A  91F 8T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.006.013
1  5 27.5 87.7 20.6 27.3 20.6  7
[A  91F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 28.1 84.8 20.6 27.3 20.6  7
[A  91F 9T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.854.045.031.006.037.004.011.012
1  5 25.9 94.2 20.6 27.3 20.6  7
[A  91F 9T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.889.028.020.004.038.002.007.012
1  5 27.7 90.8 20.6 27.3 20.6  7
[A  91F 9T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.843.050.035.007.036.005.012.012
1  5 28.7 80.0 20.6 27.3 20.6  7
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VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,589,527	87.7%		6,280	78.7%	58,651	85.8%	8,743	78.6%
	LDGT1	365,103	3.3%		260	3.3%	2,474	3.6%	428	3.8%
	LDGT2	254,600	2.3%		194	2.4%	1,872	2.7%	342	3.1%
	HDGV	49,281	0.5%		100	1.2%	801	1.2%	219	2.0%
	LDDV	412,138	3.8%		180	2.3%	525	0.8%	465	4.2%
	LDDT	33,853	0.3%		19	0.2%	44	0.1%	45	0.4%
	HDDV	90,497	0.8%		150	1.9%	822	1.2%	758	6.8%
	MC	133,828	1.2%		794	10.0%	3,206	4.7%	121	1.1%
	Total	10,928,827		21.6	7,976		68,394		11,121	
				total tons:	8.79		75.39		12.26	
								w/ Phase II RFG NOx Credit	*11.59*	

	kg	ton	pct.
Exhaust	5,525	6.09	69.3%
Evaporative	927	1.02	11.6%
Refueling	0	0.00	0.0%
Running Loss	1,063	1.17	13.3%
Resting Loss	461	0.51	5.8%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	18,347,033	87.6%		10,639	77.2%	98,719	84.9%	17,257	78.1%
	LDGT1	710,307	3.4%		491	3.6%	4,584	3.9%	873	4.0%
	LDGT2	497,695	2.4%		372	2.7%	3,530	3.0%	715	3.2%
	HDGV	94,861	0.5%		179	1.3%	1,507	1.3%	433	2.0%
	LDDV	788,728	3.8%		316	2.3%	922	0.8%	934	4.2%
	LDDT	64,910	0.3%		35	0.3%	82	0.1%	92	0.4%
	HDDV	173,773	0.8%		274	2.0%	1,557	1.3%	1,554	7.0%
	MC	254,971	1.2%		1,482	10.7%	5,442	4.7%	251	1.1%
	Total	20,932,278		24.7	13,788		116,343		22,110	
				total tons:	15.20		128.25		24.37	
								w/ Phase II RFG NOx Credit	*23.06*	

	kg	ton	pct.
Exhaust	9,545	10.52	69.2%
Evaporative	1,780	1.96	12.9%
Refueling	0	0.00	0.0%
Running Loss	1,649	1.82	12.0%
Resting Loss	814	0.90	5.9%

Phase II RFG NOx Credit calculated using MOBILE5b.

VMT, VOC, CO and Nox Inventory and Forecast Emissions by County by Vehicle Type

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	7,298,370	88.2%		14,554	87.9%	98,343	88.4%	12,050	83.5%
	LDGT1	260,358	3.1%		562	3.4%	4,689	4.2%	607	4.2%
	LDGT2	181,359	2.2%		408	2.5%	3,521	3.2%	432	3.0%
	HDGV	34,920	0.4%		113	0.7%	790	0.7%	178	1.2%
	LDDV	313,605	3.8%		130	0.8%	381	0.3%	371	2.6%
	LDDT	24,222	0.3%		13	0.1%	31	0.0%	35	0.2%
	HDDV	64,385	0.8%		103	0.6%	579	0.5%	667	4.6%
	MC	101,825	1.2%		676	4.1%	2,863	2.6%	98	0.7%
	Total	8,279,044		23.7	16,560		111,196		14,438	
				total tons:	18.25		122.57		15.91	

	kg	ton	pct.
Exhaust	8,626	9.51	52.1%
Evaporative	2,017	2.22	12.2%
Refueling	0	0.00	0.0%
Running Loss	5,257	5.79	31.7%
Resting Loss	660	0.73	4.0%

Montgomery	LDGV	14,770,267	87.7%		26,083	86.4%	175,077	87.1%	25,083	82.4%
	LDGT1	566,593	3.4%		1,175	3.9%	9,606	4.8%	1,371	4.5%
	LDGT2	396,975	2.4%		873	2.9%	7,394	3.7%	999	3.3%
	HDGV	75,639	0.4%		231	0.8%	1,643	0.8%	397	1.3%
	LDDV	634,947	3.8%		243	0.8%	713	0.4%	788	2.6%
	LDDT	51,741	0.3%		27	0.1%	64	0.0%	79	0.3%
	HDDV	138,570	0.8%		210	0.7%	1,213	0.6%	1,491	4.9%
	MC	205,237	1.2%		1,348	4.5%	5,292	2.6%	215	0.7%
	Total	16,839,969		26.8	30,189		201,003		30,423	
				total tons:	33.28		221.57		33.53	

	kg	ton	pct.
Exhaust	15,935	17.57	52.8%
Evaporative	3,991	4.40	13.2%
Refueling	0	0.00	0.0%
Running Loss	8,920	9.83	29.5%
Resting Loss	1,342	1.48	4.4%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	14,388,104	87.3%		38,204	88.7%	262,736	89.1%	27,180	82.9%
	LDGT1	586,141	3.6%		1,538	3.6%	12,517	4.2%	1,550	4.7%
	LDGT2	412,431	2.5%		1,103	2.6%	9,299	3.2%	1,097	3.3%
	HDGV	79,590	0.5%		289	0.7%	1,962	0.7%	415	1.3%
	LDDV	618,960	3.8%		303	0.7%	880	0.3%	769	2.3%
	LDDT	54,756	0.3%		34	0.1%	77	0.0%	83	0.3%
	HDDV	146,110	0.9%		240	0.6%	1,371	0.5%	1,515	4.6%
	MC	199,372	1.2%		1,369	3.2%	6,005	2.0%	180	0.5%
	Total	16,485,464		20.7	43,080		294,847		32,789	
				total tons:	47.49		325.01		36.14	

	kg	ton	pct.
Exhaust	23,135	25.50	53.7%
Evaporative	4,518	4.98	10.5%
Refueling	0	0.00	0.0%
Running Loss	14,111	15.55	32.8%
Resting Loss	1,316	1.45	3.1%

Area Total

	LDGV	56,496,375	87.5%		113,251	87.3%	772,597	87.9%	100,446	82.5%
	LDGT1	2,250,559	3.5%		4,855	3.7%	39,910	4.5%	5,618	4.6%
	LDGT2	1,575,760	2.4%		3,596	2.8%	30,742	3.5%	4,085	3.4%
	HDGV	304,020	0.5%		956	0.7%	6,762	0.8%	1,609	1.3%
	LDDV	2,429,726	3.8%		992	0.8%	2,901	0.3%	3,050	2.5%
	LDDT	206,842	0.3%		109	0.1%	257	0.0%	314	0.3%
	HDDV	554,202	0.9%		831	0.6%	4,750	0.5%	5,902	4.8%
	MC	784,905	1.2%		5,206	4.0%	21,481	2.4%	801	0.7%
	Total:	64,602,389		25.2	129,797		879,400		121,824	
				Total Tons:	143.08		969.36		134.29	

	kg	tons	pct.
Exhaust	69,251	76.33	53.4%
Evaporative	16,097	17.74	12.4%
Refueling	0	0.00	0.0%
Running Loss	39,304	43.32	30.3%
Resting Loss	5,146	5.67	4.0%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,459,797	87.6%		10,345	80.3%	87,304	85.0%	14,679	78.0%
	LDGT1	522,843	3.4%		426	3.3%	3,874	3.8%	741	3.9%
	LDGT2	365,137	2.4%		335	2.6%	3,139	3.1%	615	3.3%
	HDGV	71,682	0.5%		165	1.3%	1,586	1.5%	363	1.9%
	LDDV	578,677	3.8%		261	2.0%	749	0.7%	777	4.1%
	LDDT	46,912	0.3%		26	0.2%	61	0.1%	74	0.4%
	HDDV	128,164	0.8%		200	1.6%	1,142	1.1%	1,371	7.3%
	MC	187,511	1.2%		1,122	8.7%	4,849	4.7%	194	1.0%
	Total	15,360,723		22.7	12,881		102,704		18,814	
				total tons:	14.20		113.21		20.74	
								w/ Phase II RFG NOx Credit	*19.68*	

	kg	ton	pct.
Exhaust	8,394	9.25	65.2%
Evaporative	1,569	1.73	12.2%
Refueling	0	0.00	0.0%
Running Loss	2,011	2.22	15.6%
Resting Loss	906	1.00	7.0%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	11,650,647	86.6%		6,858	53.2%	56,570	82.6%	12,322	75.4%
	LDGT1	526,004	3.9%		353	2.7%	3,187	4.7%	733	4.5%
	LDGT2	367,262	2.7%		278	2.2%	2,607	3.8%	617	3.8%
	HDGV	70,824	0.5%		130	1.0%	1,289	1.9%	371	2.3%
	LDDV	501,804	3.7%		181	1.4%	518	0.8%	653	4.0%
	LDDT	48,500	0.4%		22	0.2%	52	0.1%	76	0.5%
	HDDV	128,690	1.0%		170	1.3%	957	1.4%	1,395	8.5%
	MC	161,461	1.2%		921	7.1%	3,314	4.8%	179	1.1%
	Total	13,455,192		30.8	8,913		68,494		16,347	
				total tons:	9.82		75.50		18.02	
								w/ Phase II RFG NOx Credit	*17.09*	

	kg	ton	pct.
Exhaust	5,764	6.35	64.7%
Evaporative	1,333	1.47	15.0%
Refueling	0	0.00	0.0%
Running Loss	1,090	1.20	12.2%
Resting Loss	725	0.80	8.1%

Phase II RFG NOx Credit calculated using MOBILE5b.

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,270,674	87.7%		6,862	53.3%	57,401	85.5%	8,893	78.1%
	LDGT1	352,888	3.3%		281	2.2%	2,506	3.7%	439	3.9%
	LDGT2	246,078	2.3%		210	1.6%	1,914	2.9%	353	3.1%
	HDGV	47,631	0.5%		109	0.8%	962	1.4%	229	2.0%
	LDDV	398,432	3.8%		179	1.4%	507	0.8%	465	4.1%
	LDDT	32,717	0.3%		19	0.1%	43	0.1%	45	0.4%
	HDDV	87,468	0.8%		145	1.1%	788	1.2%	842	7.4%
	MC	129,383	1.2%		762	5.9%	3,023	4.5%	118	1.0%
	Total	10,565,271		22.2	8,568		67,145		11,385	
				total tons:	9.44		74.01		12.55	
							w/ Phase II RFG NOx Credit		*11.90*	

	kg	ton	pct.
Exhaust	5,565	6.13	65.0%
Evaporative	1,049	1.16	12.2%
Refueling	0	0.00	0.0%
Running Loss	1,384	1.53	16.2%
Resting Loss	569	0.63	6.6%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	17,785,693	87.6%		11,871	92.2%	98,565	84.6%	17,662	77.5%
	LDGT1	688,863	3.4%		540	4.2%	4,770	4.1%	909	4.0%
	LDGT2	482,729	2.4%		407	3.2%	3,698	3.2%	747	3.3%
	HDGV	91,999	0.5%		197	1.5%	1,787	1.5%	453	2.0%
	LDDV	764,605	3.8%		317	2.5%	901	0.8%	936	4.1%
	LDDT	62,960	0.3%		35	0.3%	80	0.1%	94	0.4%
	HDDV	168,525	0.8%		269	2.1%	1,514	1.3%	1,738	7.6%
	MC	247,177	1.2%		1,433	11.1%	5,228	4.5%	246	1.1%
	Total	20,292,551		25.1	15,069		116,544		22,785	
				total tons:	16.61		128.47		25.12	
							w/ Phase II RFG NOx Credit		*23.83*	

	kg	ton	pct.
Exhaust	9,773	10.77	64.9%
Evaporative	1,965	2.17	13.0%
Refueling	0	0.00	0.0%
Running Loss	2,236	2.47	14.8%
Resting Loss	1,095	1.21	7.3%

Phase II RFG NOx Credit calculated using MOBILE5b.

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,310,967	87.2%		14,847	115.3%	121,469	85.9%	17,192	78.1%
	LDGT1	628,339	3.6%		622	4.8%	5,499	3.9%	925	4.2%
	LDGT2	442,412	2.5%		451	3.5%	4,126	2.9%	719	3.3%
	HDGV	85,397	0.5%		229	1.8%	2,088	1.5%	427	1.9%
	LDDV	658,688	3.8%		362	2.8%	1,006	0.7%	869	3.9%
	LDDT	58,700	0.3%		41	0.3%	89	0.1%	95	0.4%
	HDDV	156,741	0.9%		271	2.1%	1,522	1.1%	1,608	7.3%
	MC	212,119	1.2%		1,307	10.1%	5,654	4.0%	186	0.8%
	Total	17,553,363		19.7	18,129		141,453		22,022	
				total tons:	19.98		155.92		24.28	
							w/ Phase II RFG NOx Credit		*22.93*	

	kg	ton	pct.
Exhaust	11,739	12.94	64.8%
Evaporative	1,968	2.17	10.9%
Refueling	0	0.00	0.0%
Running Loss	3,251	3.58	17.9%
Resting Loss	1,171	1.29	6.5%

Area Total

	LDGV	67,477,778	87.4%		50,783	79.9%	421,308	84.9%	70,748	77.4%
	LDGT1	2,718,937	3.5%		2,221	3.5%	19,835	4.0%	3,748	4.1%
	LDGT2	1,903,618	2.5%		1,680	2.6%	15,484	3.1%	3,052	3.3%
	HDGV	367,533	0.5%		830	1.3%	7,713	1.6%	1,845	2.0%
	LDDV	2,902,206	3.8%		1,301	2.0%	3,681	0.7%	3,699	4.0%
	LDDT	249,789	0.3%		143	0.2%	325	0.1%	385	0.4%
	HDDV	669,588	0.9%		1,056	1.7%	5,924	1.2%	6,954	7.6%
	MC	937,651	1.2%		5,544	8.7%	22,069	4.4%	922	1.0%
	Total:	77,227,100		23.5	63,558		496,339		91,354	
				Total Tons:	70.06		547.11		100.70	
							w/ Phase II RFG NOx Credit		*95.41*	

	kg	tons	pct.
Exhaust	41,235	45.45	64.9%
Evaporative	7,884	8.69	12.4%
Refueling	0	0.00	0.0%
Running Loss	9,973	10.99	15.7%
Resting Loss	4,467	4.92	7.0%

Phase II RFG NOx Credit calculated using MOBILE5b.

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,925,924	87.6%		30,672	87.9%	201,803	88.1%	24,885	82.9%
	LDGT1	540,791	3.4%		1,216	3.5%	9,736	4.3%	1,321	4.4%
	LDGT2	377,676	2.4%		935	2.7%	7,755	3.4%	983	3.3%
	HDGV	74,142	0.5%		252	0.7%	1,755	0.8%	390	1.3%
	LDDV	598,722	3.8%		256	0.7%	769	0.3%	773	2.6%
	LDDT	48,523	0.3%		26	0.1%	62	0.0%	73	0.2%
	HDDV	132,568	0.8%		205	0.6%	1,185	0.5%	1,395	4.6%
	MC	194,007	1.2%		1,318	3.8%	6,006	2.6%	199	0.7%
	Total	15,892,353		22.0	34,880		229,071		30,019	
				total tons:	38.45		252.51		33.09	

	kg	ton	pct.
Exhaust	17,950	19.79	51.5%
Evaporative	3,908	4.31	11.2%
Refueling	0	0.00	0.0%
Running Loss	11,757	12.96	33.7%
Resting Loss	1,265	1.39	3.6%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	12,300,302	86.6%		19,810	85.2%	128,969	85.7%	21,174	80.6%
	LDGT1	554,673	3.9%		992	4.3%	7,925	5.3%	1,328	5.1%
	LDGT2	387,487	2.7%		762	3.3%	6,388	4.2%	990	3.8%
	HDGV	74,724	0.5%		205	0.9%	1,473	1.0%	407	1.5%
	LDDV	529,766	3.7%		185	0.8%	542	0.4%	664	2.5%
	LDDT	51,166	0.4%		23	0.1%	54	0.0%	77	0.3%
	HDDV	135,780	1.0%		177	0.8%	1,007	0.7%	1,442	5.5%
	MC	170,462	1.2%		1,106	4.8%	4,136	2.7%	187	0.7%
	Total	14,204,360		29.9	23,259		150,493		26,267	
				total tons:	25.64		165.89		28.95	

	kg	ton	pct.
Exhaust	12,249	13.50	52.7%
Evaporative	3,375	3.72	14.5%
Refueling	0	0.00	0.0%
Running Loss	6,507	7.17	28.0%
Resting Loss	1,128	1.24	4.8%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,589,527	87.7%		20,435	87.9%	132,983	88.4%	15,213	83.1%
	LDGT1	365,103	3.3%		810	3.5%	6,426	4.3%	791	4.3%
	LDGT2	254,600	2.3%		589	2.5%	4,806	3.2%	563	3.1%
	HDGV	49,281	0.5%		167	0.7%	1,095	0.7%	245	1.3%
	LDDV	412,138	3.8%		180	0.8%	525	0.3%	465	2.5%
	LDDT	33,853	0.3%		19	0.1%	44	0.0%	45	0.2%
	HDDV	90,497	0.8%		150	0.6%	822	0.5%	856	4.7%
	MC	133,828	1.2%		896	3.9%	3,759	2.5%	121	0.7%
	Total	10,928,827		21.6	23,245		150,460		18,299	
				total tons:	25.62		165.85		20.17	

	kg	ton	pct.
Exhaust	11,836	13.05	50.9%
Evaporative	2,662	2.93	11.5%
Refueling	0	0.00	0.0%
Running Loss	7,877	8.68	33.9%
Resting Loss	870	0.96	3.7%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	18,347,033	87.6%		34,239	86.7%	220,729	87.3%	29,831	82.5%
	LDGT1	710,307	3.4%		1,523	3.9%	11,898	4.7%	1,613	4.5%
	LDGT2	497,695	2.4%		1,132	2.9%	9,131	3.6%	1,175	3.3%
	HDGV	94,861	0.5%		304	0.8%	2,066	0.8%	487	1.3%
	LDDV	788,728	3.8%		316	0.8%	922	0.4%	934	2.6%
	LDDT	64,910	0.3%		35	0.1%	82	0.0%	92	0.3%
	HDDV	173,773	0.8%		274	0.7%	1,559	0.6%	1,755	4.9%
	MC	254,971	1.2%		1,677	4.2%	6,380	2.5%	251	0.7%
	Total	20,932,278		24.7	39,500		252,766		36,139	
				total tons:	43.54		278.62		39.84	

	kg	ton	pct.
Exhaust	20,307	22.38	51.4%
Evaporative	4,961	5.47	12.6%
Refueling	0	0.00	0.0%
Running Loss	12,564	13.85	31.8%
Resting Loss	1,668	1.84	4.2%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,485,387	87.2%		43,272	88.8%	293,761	89.1%	28,713	82.9%
	LDGT1	636,001	3.6%		1,728	3.5%	13,973	4.2%	1,625	4.7%
	LDGT2	447,874	2.5%		1,241	2.5%	10,381	3.1%	1,150	3.3%
	HDGV	86,440	0.5%		326	0.7%	2,170	0.7%	443	1.3%
	LDDV	666,201	3.8%		339	0.7%	986	0.3%	820	2.4%
	LDDT	59,409	0.3%		38	0.1%	86	0.0%	88	0.3%
	HDDV	158,652	0.9%		270	0.6%	1,532	0.5%	1,601	4.6%
	MC	214,544	1.2%		1,491	3.1%	6,755	2.0%	187	0.5%
	Total	17,754,508		19.6	48,705		329,646		34,626	
				total tons:	53.69		363.37		38.17	

	kg	ton	pct.
Exhaust	25,817	28.46	53.0%
Evaporative	4,866	5.36	10.0%
Refueling	0	0.00	0.0%
Running Loss	16,605	18.30	34.1%
Resting Loss	1,417	1.56	2.9%

Area Total

	LDGV	69,648,173	87.4%		148,428	87.5%	978,245	87.9%	119,816	82.4%
	LDGT1	2,806,875	3.5%		6,268	3.7%	49,959	4.5%	6,677	4.6%
	LDGT2	1,965,332	2.5%		4,659	2.7%	38,462	3.5%	4,862	3.3%
	HDGV	379,448	0.5%		1,254	0.7%	8,558	0.8%	1,972	1.4%
	LDDV	2,995,555	3.8%		1,275	0.8%	3,743	0.3%	3,657	2.5%
	LDDT	257,861	0.3%		141	0.1%	329	0.0%	374	0.3%
	HDDV	691,270	0.9%		1,077	0.6%	6,105	0.5%	7,049	4.8%
	MC	967,812	1.2%		6,488	3.8%	27,035	2.4%	945	0.6%
	Total:	79,712,326		23.0	169,588		1,112,436		145,351	
				Total Tons:	186.94		1,226.24		160.22	

	kg	tons	pct.
Exhaust	88,159	97.18	52.0%
Evaporative	19,772	21.79	11.7%
Refueling	0	0.00	0.0%
Running Loss	55,310	60.97	32.6%
Resting Loss	6,348	7.00	3.7%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	11,256,289	87.6%		21,364	87.1%	147,320	87.7%	20,401	82.8%
	LDGT1	439,011	3.4%		898	3.7%	7,457	4.4%	1,096	4.4%
	LDGT2	306,774	2.4%		688	2.8%	5,963	3.6%	816	3.3%
	HDGV	60,203	0.5%		184	0.8%	1,326	0.8%	321	1.3%
	LDDV	483,922	3.8%		192	0.8%	561	0.3%	627	2.5%
	LDDT	39,400	0.3%		20	0.1%	47	0.0%	60	0.2%
	HDDV	107,653	0.8%		156	0.6%	888	0.5%	1,150	4.7%
	MC	156,796	1.2%		1,029	4.2%	4,339	2.6%	167	0.7%
	Total	12,850,048		26.4	24,531		167,901		24,636	
				total tons:	27.04		185.08		27.16	

	kg	ton	pct.
Exhaust	13,161	14.51	53.7%
Evaporative	3,160	3.48	12.9%
Refueling	0	0.00	0.0%
Running Loss	7,188	7.92	29.3%
Resting Loss	1,022	1.13	4.2%

Chester	LDGV	8,783,345	86.6%		13,047	84.5%	89,121	85.3%	15,732	80.5%
	LDGT1	398,456	3.9%		683	4.4%	5,640	5.4%	994	5.1%
	LDGT2	278,221	2.7%		524	3.4%	4,564	4.4%	742	3.8%
	HDGV	53,668	0.5%		139	0.9%	1,042	1.0%	297	1.5%
	LDDV	378,292	3.7%		124	0.8%	366	0.4%	495	2.5%
	LDDT	36,723	0.4%		16	0.1%	38	0.0%	57	0.3%
	HDDV	97,484	1.0%		121	0.8%	699	0.7%	1,080	5.5%
	MC	121,675	1.2%		784	5.1%	2,981	2.9%	141	0.7%
	Total	10,147,864		33.8	15,438		104,453		19,538	
				total tons:	17.02		115.14		21.54	

	kg	ton	pct.
Exhaust	8,394	9.25	54.4%
Evaporative	2,411	2.66	15.6%
Refueling	0	0.00	0.0%
Running Loss	3,828	4.22	24.8%
Resting Loss	806	0.89	5.2%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	7,298,370	88.2%		14,655	87.8%	100,543	88.2%	12,088	83.0%
	LDGT1	260,358	3.1%		567	3.4%	4,890	4.3%	611	4.2%
	LDGT2	181,359	2.2%		414	2.5%	3,674	3.2%	431	3.0%
	HDGV	34,920	0.4%		122	0.7%	962	0.8%	182	1.2%
	LDDV	313,605	3.8%		136	0.8%	388	0.3%	383	2.6%
	LDDT	24,222	0.3%		14	0.1%	32	0.0%	37	0.3%
	HDDV	64,385	0.8%		106	0.6%	586	0.5%	730	5.0%
	MC	101,825	1.2%		676	4.1%	2,863	2.5%	98	0.7%
	Total	8,279,044		23.7	16,690		113,938		14,560	
				total tons:	18.40		125.59		16.05	

	kg	ton	pct.
Exhaust	8,813	9.71	52.8%
Evaporative	1,961	2.16	11.7%
Refueling	0	0.00	0.0%
Running Loss	5,256	5.79	31.5%
Resting Loss	660	0.73	4.0%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	14,770,267	87.7%		26,324	86.3%	179,285	86.9%	25,129	82.0%
	LDGT1	566,593	3.4%		1,194	3.9%	10,090	4.9%	1,382	4.5%
	LDGT2	396,975	2.4%		886	2.9%	7,763	3.8%	1,000	3.3%
	HDGV	75,639	0.4%		245	0.8%	1,956	0.9%	403	1.3%
	LDDV	634,947	3.8%		255	0.8%	727	0.4%	810	2.6%
	LDDT	51,741	0.3%		28	0.1%	65	0.0%	82	0.3%
	HDDV	138,570	0.8%		215	0.7%	1,227	0.6%	1,632	5.3%
	MC	205,237	1.2%		1,348	4.4%	5,292	2.6%	215	0.7%
	Total	16,839,969		26.8	30,494		206,405		30,654	
				total tons:	33.61		227.52		33.79	

	kg	ton	pct.
Exhaust	16,200	17.86	53.1%
Evaporative	4,030	4.44	13.2%
Refueling	0	0.00	0.0%
Running Loss	8,922	9.83	29.3%
Resting Loss	1,342	1.48	4.4%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2002 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	14,388,104	87.3%		38,581	88.6%	268,463	88.8%	27,404	82.5%
	LDGT1	586,141	3.6%		1,565	3.6%	13,227	4.4%	1,563	4.7%
	LDGT2	412,431	2.5%		1,116	2.6%	9,664	3.2%	1,089	3.3%
	HDGV	79,590	0.5%		317	0.7%	2,504	0.8%	422	1.3%
	LDDV	618,960	3.8%		331	0.8%	913	0.3%	825	2.5%
	LDDT	54,756	0.3%		37	0.1%	81	0.0%	91	0.3%
	HDDV	146,110	0.9%		245	0.6%	1,386	0.5%	1,659	5.0%
	MC	199,372	1.2%		1,369	3.1%	6,005	2.0%	180	0.5%
	Total	16,485,464		20.7	43,561		302,244		33,233	
				total tons:	48.02		333.16		36.63	

	kg	ton	pct.
Exhaust	23,412	25.81	53.7%
Evaporative	4,626	5.10	10.6%
Refueling	0	0.00	0.0%
Running Loss	14,113	15.56	32.4%
Resting Loss	1,410	1.55	3.2%

Area Total

	LDGV	56,496,375	87.5%		114,366	87.2%	792,067	87.6%	100,832	82.0%
	LDGT1	2,250,559	3.5%		4,931	3.8%	42,117	4.7%	5,665	4.6%
	LDGT2	1,575,760	2.4%		3,654	2.8%	32,412	3.6%	4,081	3.3%
	HDGV	304,020	0.5%		1,033	0.8%	8,336	0.9%	1,637	1.3%
	LDDV	2,429,726	3.8%		1,059	0.8%	2,977	0.3%	3,179	2.6%
	LDDT	206,842	0.3%		116	0.1%	264	0.0%	332	0.3%
	HDDV	554,202	0.9%		848	0.6%	4,804	0.5%	6,462	5.3%
	MC	784,905	1.2%		5,206	4.0%	21,481	2.4%	801	0.7%
	Total:	64,602,389		25.2	131,213		904,458		122,989	
				Total Tons:	144.64		996.98		135.57	

	kg	tons	pct.
Exhaust	70,457	77.66	53.7%
Evaporative	16,205	17.86	12.3%
Refueling	0	0.00	0.0%
Running Loss	39,310	43.33	30.0%
Resting Loss	5,242	5.78	4.0%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	13,925,924	87.6%		9,363	78.9%	87,541	85.3%	14,367	78.5%
	LDGT1	540,791	3.4%		389	3.3%	3,711	3.6%	716	3.9%
	LDGT2	377,676	2.4%		303	2.6%	2,936	2.9%	592	3.2%
	HDGV	74,142	0.5%		150	1.3%	1,289	1.3%	349	1.9%
	LDDV	598,722	3.8%		256	2.2%	769	0.7%	773	4.2%
	LDDT	48,523	0.3%		26	0.2%	62	0.1%	73	0.4%
	HDDV	132,568	0.8%		205	1.7%	1,184	1.2%	1,234	6.7%
	MC	194,007	1.2%		1,169	9.9%	5,123	5.0%	199	1.1%
	Total	15,892,353		22.0	11,862		102,614		18,304	
				total tons:	13.08		113.11		20.18	
									w/ Phase II RFG NOx Credit	*19.36*

	kg	ton	pct.
Exhaust	8,279	9.13	69.8%
Evaporative	1,371	1.51	11.6%
Refueling	0	0.00	0.0%
Running Loss	1,539	1.70	13.0%
Resting Loss	673	0.74	5.7%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	12,300,302	86.6%		6,303	75.3%	57,570	83.1%	12,273	75.9%
	LDGT1	554,673	3.9%		327	3.9%	3,073	4.4%	721	4.5%
	LDGT2	387,487	2.7%		256	3.1%	2,454	3.5%	602	3.7%
	HDGV	74,724	0.5%		120	1.4%	1,082	1.6%	364	2.2%
	LDDV	529,766	3.7%		185	2.2%	542	0.8%	664	4.1%
	LDDT	51,166	0.4%		23	0.3%	54	0.1%	77	0.5%
	HDDV	135,780	1.0%		177	2.1%	1,006	1.5%	1,276	7.9%
	MC	170,462	1.2%		975	11.7%	3,528	5.1%	187	1.2%
	Total	14,204,360		29.9	8,366		69,309		16,162	
				total tons:	9.22		76.40		17.82	
									w/ Phase II RFG NOx Credit	*16.89*

	kg	ton	pct.
Exhaust	5,753	6.34	68.8%
Evaporative	1,208	1.33	14.4%
Refueling	0	0.00	0.0%
Running Loss	855	0.94	10.2%
Resting Loss	551	0.61	6.6%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	9,589,527	87.7%		6,280	78.7%	58,651	85.8%	8,743	78.6%
	LDGT1	365,103	3.3%		260	3.3%	2,474	3.6%	428	3.8%
	LDGT2	254,600	2.3%		194	2.4%	1,872	2.7%	342	3.1%
	HDGV	49,281	0.5%		100	1.2%	801	1.2%	219	2.0%
	LDDV	412,138	3.8%		180	2.3%	525	0.8%	465	4.2%
	LDDT	33,853	0.3%		19	0.2%	44	0.1%	45	0.4%
	HDDV	90,497	0.8%		150	1.9%	822	1.2%	758	6.8%
	MC	133,828	1.2%		794	10.0%	3,206	4.7%	121	1.1%
	Total	10,928,827		21.6	7,976		68,394		11,121	
				total tons:	8.79		75.39		12.26	
									11.59	

w/ Phase II RFG NOx Credit

	kg	ton	pct.
Exhaust	5,525	6.09	69.3%
Evaporative	927	1.02	11.6%
Refueling	0	0.00	0.0%
Running Loss	1,063	1.17	13.3%
Resting Loss	461	0.51	5.8%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	18,347,033	87.6%		10,639	77.2%	98,719	84.9%	17,257	78.1%
	LDGT1	710,307	3.4%		491	3.6%	4,584	3.9%	873	4.0%
	LDGT2	497,695	2.4%		372	2.7%	3,530	3.0%	715	3.2%
	HDGV	94,861	0.5%		179	1.3%	1,507	1.3%	433	2.0%
	LDDV	788,728	3.8%		316	2.3%	922	0.8%	934	4.2%
	LDDT	64,910	0.3%		35	0.3%	82	0.1%	92	0.4%
	HDDV	173,773	0.8%		274	2.0%	1,557	1.3%	1,554	7.0%
	MC	254,971	1.2%		1,482	10.7%	5,442	4.7%	251	1.1%
	Total	20,932,278		24.7	13,788		116,343		22,110	
				total tons:	15.20		128.25		24.37	
									23.06	

w/ Phase II RFG NOx Credit

	kg	ton	pct.
Exhaust	9,545	10.52	69.2%
Evaporative	1,780	1.96	12.9%
Refueling	0	0.00	0.0%
Running Loss	1,649	1.82	12.0%
Resting Loss	814	0.90	5.9%

Phase II RFG NOx Credit calculated using MOBILE5b.

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

2005 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,485,387	87.2%		13,161	80.8%	119,035	86.3%	16,450	78.6%
	LDGT1	636,001	3.6%		548	3.4%	5,064	3.7%	871	4.2%
	LDGT2	447,874	2.5%		400	2.5%	3,828	2.8%	682	3.3%
	HDGV	86,440	0.5%		198	1.2%	1,595	1.2%	402	1.9%
	LDDV	666,201	3.8%		339	2.1%	986	0.7%	820	3.9%
	LDDT	59,409	0.3%		38	0.2%	86	0.1%	88	0.4%
	HDDV	158,652	0.9%		270	1.7%	1,530	1.1%	1,417	6.8%
	MC	214,544	1.2%		1,325	8.1%	5,762	4.2%	187	0.9%
	Total	17,754,508		19.6	16,279		137,887		20,917	
				total tons:	17.94		151.99		23.06	
									w/ Phase II RFG NOx Credit	*21.85*

	kg	ton	pct.
Exhaust	11,291	12.45	69.4%
Evaporative	1,648	1.82	10.1%
Refueling	0	0.00	0.0%
Running Loss	2,424	2.67	14.9%
Resting Loss	916	1.01	5.6%

Area Total

	LDGV	69,648,173	87.4%		45,746	78.5%	421,516	85.2%	69,090	78.0%
	LDGT1	2,806,875	3.5%		2,015	3.5%	18,904	3.8%	3,610	4.1%
	LDGT2	1,965,332	2.5%		1,525	2.6%	14,621	3.0%	2,934	3.3%
	HDGV	379,448	0.5%		746	1.3%	6,274	1.3%	1,766	2.0%
	LDDV	2,995,555	3.8%		1,275	2.2%	3,743	0.8%	3,657	4.1%
	LDDT	257,861	0.3%		141	0.2%	329	0.1%	374	0.4%
	HDDV	691,270	0.9%		1,077	1.8%	6,099	1.2%	6,238	7.0%
	MC	967,812	1.2%		5,745	9.9%	23,060	4.7%	945	1.1%
	Total:	79,712,326		23.0	58,271		494,547		88,614	
				Total Tons:	64.23		545.14		97.68	
									w/ Phase II RFG NOx Credit	*92.75*

	kg	tons	pct.
Exhaust	40,394	44.53	69.3%
Evaporative	6,933	7.64	11.9%
Refueling	0	0.00	0.0%
Running Loss	7,529	8.30	12.9%
Resting Loss	3,415	3.76	5.9%

Phase II RFG NOx Credit calculated using MOBILE5b.

LIST OF TABULATIONS

1. Summary VMT, VOC and NOx Inventory and Forecast by County

2. PA97 W/ ASM I/M Program Modeling Parameters

3. Control Strategy Emissions Component Breakdown

4. VMT, VOC, CO and NOx Inventory and Forecast Emissions by County by Functional Class

5. VMT, VOC, CO and NOx Inventory and Forecast Emissions by County by Vehicle Type

6. Philadelphia 5-County Area MOBILE Input Files

   a. 2005 Uncontrolled Baseline Scenario
   b. 2005 Adjusted Baseline Scenario
   c. 2005 Control Strategy Scenario

7. Philadelphia 5-County Area MOBILE Output Files

   a. 2005 Control Strategy Scenario

Summary VMT, VOC & NOx Inventory and Forecast by County

SUMMARY VMT, VOC and NOx INVENTORY AND FORECAST FOR HIGHWAY VEHICLES BY COUNTY

Scenario				*Baseline*		*Adjusted Baseline*		*Control Strategy*	
County	1990 VMT	VMT	Total Growth	VOC (tons/day)	NOx (tons/day)	VOC (tons/day)	NOx (tons/day)	VOC (tons/day)	Nox (tons/day)
	Ave. Speed	*Ave. Speed*	*(from 1990)*					*% Reduction (from 1999 Adj)*	
1999									
Bucks	12,850,048 26.4	14,829,484 23.5	1.15	35.42	31.98	28.25	28.01	17.74 -37.2%	22.38 -20.1%
Chester	10,147,864 33.8	12,712,974 31.6	1.25	23.00	27.18	17.73	22.24	11.95 -32.6%	19.19 -13.7%
Delaware	8,279,044 23.7	10,201,547 22.7	1.23	23.67	19.49	18.84	16.40	11.78 -37.5%	13.49 -17.7%
Montgomery	16,839,969 26.8	19,653,334 25.5	1.17	41.19	38.92	34.41	34.55	20.95 -39.1%	27.23 -21.2%
Philadelphia	16,485,464 20.7	17,352,364 19.9	1.05	53.57	38.83	49.23	37.59	25.83 -47.5%	26.55 -29.4%
5-County Total	64,602,389 25.2	74,749,703 23.9	1.16	176.85	156.40	148.45	138.80	88.24 -40.6%	108.84 -21.6%

SUMMARY VMT, VOC and NOx INVENTORY AND FORECAST FOR HIGHWAY VEHICLES BY COUNTY

Scenario				*Baseline*		*Adjusted Baseline*		*Control Strategy*	
County	1990 VMT	VMT	Total Growth	VOC (tons/day)	NOx (tons/day)	VOC (tons/day)	NOx (tons/day)	VOC (tons/day)	Nox* (tons/day)
	Ave. Speed	*Ave. Speed*	*(from 1990)*					*% Reduction (from 1999 Adj)*	
2002									
Bucks	12,850,048 26.4	15,360,723 22.7	1.20	36.61	32.34	27.43	27.39	14.20 -48.2%	19.68 -28.1%
Chester	10,147,864 33.8	13,455,192 30.8	1.33	24.01	27.88	17.18	21.71	9.82 -42.8%	17.09 -21.3%
Delaware	8,279,044 23.7	10,565,271 22.2	1.28	24.40	19.70	18.40	16.05	9.44 -48.7%	11.90 -25.9%
Montgomery	16,839,969 26.8	20,292,551 25.1	1.21	42.02	39.13	33.61	33.79	16.61 -50.6%	23.83 -29.5%
Philadelphia	16,485,464 20.7	17,553,363 19.7	1.06	53.29	38.26	48.02	36.63	19.98 -58.4%	22.93 -37.4%
5-County Total	64,602,389 25.2	77,227,100 23.5	1.20	180.33	157.30	144.64	135.57	70.06 -51.6%	95.41 -29.6%

*Includes Phase II RFG NOx Credit.

SUMMARY VMT, VOC and NOx INVENTORY AND FORECAST FOR HIGHWAY VEHICLES BY COUNTY

Scenario				*Baseline*		*Adjusted Baseline*		*Control Strategy*	
County	1990 VMT	VMT	Total Growth	VOC (tons/day)	NOx (tons/day)	VOC (tons/day)	NOx (tons/day)	VOC (tons/day)	Nox* (tons/day)
	Ave. Speed	*Ave. Speed*	*(from 1990)*					*% Reduction (from 1999 Adj)*	
2005									
Bucks	12,850,048 26.4	15,892,353 22.0	1.24	38.45	33.09	27.04	27.16	13.08 -51.6%	19.36 -28.7%
Chester	10,147,864 33.8	14,204,360 29.9	1.40	25.64	28.95	17.02	21.54	9.22 -45.8%	16.89 -21.6%
Delaware	8,279,044 23.7	10,928,827 21.6	1.32	25.62	20.17	18.25	15.91	8.79 -51.8%	11.59 -27.2%
Montgomery	16,839,969 26.8	20,932,278 24.7	1.24	43.54	39.84	33.28	33.53	15.20 -54.3%	23.06 -31.2%
Philadelphia	16,485,464 20.7	17,754,508 19.6	1.08	53.69	38.17	47.49	36.14	17.94 -62.2%	21.85 -39.5%
5-County Total	64,602,389 25.2	79,712,326 23.0	1.23	186.94	160.22	143.08	134.28	64.23 -55.1%	92.75 -30.9%

*Includes Phase II RFG NOx Credit.

1/9/98

PA97 w/ ASM I/M Program Modeling Parameters

Philadelphia 5-County Area
Pennsylvania 97 with ASM I/M Program Modeling Parameters

Non-attainment Area: Philadelphia 5-County Area	**Counties:** Bucks, Chester, Delaware, Montgomery, & Philadelphia
I/M Program Parameters	
Program start year	1998 (existing program start date 1984) (required start date Nov. 15, 1997)
Stringency level (pre-81)	20%
Model years tested	1981-present (ASM5015) 1975 - 1980 (idle test)
Pre-81 waiver rate	3%
Post-80 waiver rate	3%
Compliance rate	96%
Program type	Test & Repair (w/ 100% effectiveness)
Inspection frequency	Annual
Vehicle types inspected	LDGV, LDGT1, & LDGT2 (<9,000 lbs)
Test type	Single Mode ASM5015
Final Cutpoints	50.0/15.0/1.00 (HC/CO/NOx)
ATP Program Parameters	
Program start year	1998 (required start date Nov. 15, 1997)
Model years tested	1975 - present
Vehicle types inspected	LDGV, LDGT1, & LDGT2 (<9,000 lbs)
Program type	Test & Repair (w/ 100% effectiveness)
Inspection frequency	Annual
Compliance rate	96%
Inspections performed	Air pump system, catalyst, fuel inlet restrictor, EGR system, evaporative emission control system, PCV system, & gas cap
Pressure and Purge Parameters	
Program start year	1998 (required start date Nov. 15, 1997)
Model years tested	1981 - present
Gas Cap Pressure Check	1975 - 1980 model years
Vehicle types inspected	LDGV, LDGT1, & LDGT2 (<9,000 lbs)
Program type	Test & Repair (w/ 100% effectiveness)
Inspection frequency	Annual
Compliance rate	96%
Technician Training & Certification (TTC)	100% Benefits

Control Strategy Emissions Component Breakdown

Philadelphia 5-County Area
Control Strategy Component Breakout

1999 Credit Breakout

Scenario	Bucks County				Chester County				Delaware County			
	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)
1999												
Uncontrolled Baseline	35.42		31.98		23.00		27.18		23.67		19.49	
PA97 ASM5015		-11.88		-6.50		-7.39		-5.04		-7.69		-3.88
RFG		-4.45		-0.08		-2.69		-0.08		-3.06		-0.04
FMVCP		-1.35		-3.02		-0.97		-2.87		-1.14		-2.08
Control Stategy	17.74	(-17.68)	22.38	(-9.60)	11.95	(-11.05)	19.19	(-7.99)	11.78	(-11.89)	13.49	(-6.00)

Scenario	Montgomery County				Philadelphia County				Philadelphia 5-County Total			
	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)
1999												
Uncontrolled Baseline	41.19		38.92		53.57		38.83		176.85		156.40	
PA97 ASM5015		-13.10		-7.35		-19.22		-9.52		-59.28		-32.29
RFG		-5.22		-0.12		-6.98		-0.11		-22.41		-0.43
FMVCP		-1.92		-4.22		-1.54		-2.65		-6.92		-14.84
Control Stategy	20.95	(-20.24)	27.23	(-11.69)	25.83	(-27.74)	26.55	(-12.28)	88.24	(-88.61)	108.84	(-47.56)

Philadelphia 5-County Area
Control Strategy Component Breakout

2002 Credit Breakout

Scenario	Bucks County				Chester County				Delaware County			
	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)
2002												
Uncontrolled Baseline	36.61		32.34		24.01		27.88		24.40		19.70	
PA97 ASM5015		-12.62		-6.65		-7.94		-5.25		-8.09		-3.94
RFG		-7.14		-1.18		-4.32		-1.01		-4.87		-0.72
FMVCP		-2.65		-4.83		-1.93		-4.53		-2.00		-3.14
Control Stategy	14.20	(-22.41)	19.68	(-12.66)	9.82	(-14.19)	17.09	(-10.79)	9.44	(-14.96)	11.90	(-7.80)

Scénario	Montgomery County				Philadelphia County				Philadelphia 5-County Total			
	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)
2002												
Uncontrolled Baseline	42.02		39.13		53.29		38.26		180.33		157.30	
PA97 ASM5015		-13.73		-7.48		-19.67		-9.45		-62.04		-32.77
RFG		-8.21		-1.42		-10.61		-1.41		-35.17		-5.74
FMVCP		-3.47		-6.40		-3.03		-4.47		-13.06		-23.38
Control Stategy	16.61	(-25.41)	23.83	(-15.30)	19.98	(-33.31)	22.93	(-15.33)	70.06	(-110.27)	95.41 *	(-61.89)

*Includes Phase II RFG NOx Credit.

Philadelphia 5-County Area
Control Strategy Component Breakout

2005 Credit Breakout

Scenario	Bucks County				Chester County				Delaware County			
	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)
2005												
Uncontrolled Baseline	38.45		33.09		25.64		28.95		25.62		20.17	
PA97 ASM5015		-13.73		-6.98		-8.84		-5.61		-8.73		-4.11
RFG		-7.49		-0.91		-4.52		-1.01		-5.11		-0.72
FMVCP		-4.15		-5.84		-3.06		-5.44		-2.99		-3.75
Control Stategy	13.08	(-25.37)	19.36	(-13.73)	9.22	(-16.42)	16.89	(-12.06)	8.79	(-16.83)	11.59	(-8.58)

Scenario	Montgomery County				Philadelphia County				Philadelphia 5-County Total			
	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)	VOC (tpd)	VOC Credit (tpd)	NOx (tpd)	NOx Credit (tpd)
2005												
Uncontrolled Baseline	43.54		39.84		53.69	-	38.17		186.94		160.22	
PA97 ASM5015		-14.66		-7.82		-20.18		-9.42		-66.14		-33.94
RFG		-8.39		-1.41		-10.67		-1.35		-36.19		-5.40
FMVCP		-5.29		-7.55		-4.90		-5.55		-20.38		-28.13
Control Stategy	15.20	(-28.34)	23.06	(-16.78)	17.94	(-35.75)	21.85	(-16.32)	64.23	(-122.71)	92.75	(-67.47)

*Includes Phase II RFG NOx Credit.

VMT, VOC, CO and Nox Inventory and Forecast Emissions by County by Functional Class

VMT, VOC, CO and NOx INVENTORY AND FORECAST
1999 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	1999 VMT speed	Growth from 1990	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)
Bucks County												
Rural												
2 Other Prin. Art	1,408,681 57.1	1,622,150 56.1	1.15	1,899	1,667	1,009 -39.4%	13,072	12,204	5,983 -51.0%	3,676	3,269	2,578 -21.2%
6 Minor Arterial	483,037 48.4	556,252 47.9	1.15	662	571	342 -40.1%	3,876	3,348	1,766 -47.2%	997	871	700 -19.7%
7 Major Collector	397,438 38.4	473,768 37.8	1.19	689	569	355 -37.6%	4,243	3,494	1,948 -44.2%	812	682	565 -17.2%
8 Minor Collector	482,045 37.1	574,604 35.6	1.19	881	713	454 -36.4%	5,526	4,427	2,546 -42.5%	990	832	688 -17.4%
9 Local	807,329 27.5	962,434 26.4	1.19	1,874	1,517	959 -36.8%	12,938	10,351	6,045 -41.6%	1,635	1,375	1,148 -16.5%
Subtotal (kg) (tons)	3,578,530 41.0	4,189,208 39.6	1.17	6,004 6.62	5,037 5.55	3,119 3.44 -38.1%	39,654 43.71	33,824 37.28	18,289 20.16 -45.9%	8,110 8.94	7,030 7.75	5,678 6.26 -19.2%
Small Urban												
12 Other Fwy/Ex	8,797 65.0	9,772 65.0	1.11	13	12	7 -40.3%	144	130	65 -49.7%	26	24	18 -23.2%
14 Prin. Arterial	200,079 57.1	230,404 56.3	1.15	267	235	142 -39.7%	1,839	1,712	837 -51.1%	508	451	353 -21.7%
16 Minor Arterial	10,764 31.1	12,393 31.0	1.15	21	18	11 -40.8%	136	118	63 -46.6%	20	18	14 -21.1%
17 Collector	32,617 26.2	38,885 26.0	1.19	76	63	39 -38.8%	526	438	246 -43.9%	65	54	45 -17.2%
19 Local	77,687 23.6	92,639 23.6	1.19	194	163	99 -39.4%	1,382	1,159	646 -44.2%	151	127	105 -17.4%
Subtotal (kg) (tons)	329,944 38.7	384,093 38.2	1.16	571 0.63	491 0.54	297 0.33 -39.5%	4,027 4.44	3,556 3.92	1,857 2.05 -47.8%	770 0.85	673 0.74	535 0.59 -20.6%
Urban												
11 Interstate	1,884,145 63.1	2,092,690 61.8	1.11	2,708	2,496	1,457 -41.6%	26,573	26,005	12,120 -53.4%	5,569	5,171	3,943 -23.7%
12 Other Fwy/Ex	764,982 63.9	849,646 63.8	1.11	1,121	1,011	605 -40.1%	11,935	10,798	5,427 -49.7%	2,289	2,066	1,601 -22.5%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
1999 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	1999 VMT speed	Growth from 1990	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)
14 Prin. Arterial	3,104,337 26.9	3,574,775 25.2	1.15	7,176	5,921	3,653 -38.3%	49,937	40,465	23,290 -42.4%	5,913	5,153	4,105 -20.3%
16 Minor Arterial	1,515,715 20.1	1,745,411 19.4	1.15	4,333	3,625	2,177 -39.9%	31,726	26,713	14,890 -44.3%	2,819	2,445	1,958 -19.9%
17 Collector	822,383 11.3	980,386 8.5	1.19	5,095	3,313	2,369 -28.5%	31,582	21,488	14,853 -30.9%	1,765	1,417	1,240 -12.5%
19 Local	850,012 9.9	1,013,275 8.4	1.19	5,120	3,737	2,415 -35.4%	32,500	24,128	15,253 -36.8%	1,781	1,458	1,240 -15.0%
Subtotal (kg) (tons)	8,941,574 22.8	10,256,183 19.9	1.15	25,553 28.17	20,104 22.16	12,676 13.97 -36.9%	184,255 203.10	149,597 164.90	85,833 94.61 -42.6%	20,135 22.19	17,710 19.52	14,087 15.53 -20.5%
Bucks County Totals (kg) (tons)	12,850,048 26.4	14,829,484 23.5	1.15	32,128 35.42	25,632 28.25	16,091 17.74 -37.2%	227,936 251.25	186,978 206.11	105,979 116.82 -43.3%	29,015 31.98	25,413 28.01	20,301 22.38 -20.1%
Chester County												
Rural												
1 Interstates	926,736 65.0	1,123,328 64.9	1.21	1,453	1,199	801 -33.2%	16,074	13,305	7,541 -43.3%	3,238	2,676	2,353 -12.0%
2 Other Prin. Art	1,462,882 55.9	1,798,559 54.0	1.23	1,973	1,610	1,057 -34.3%	12,441	10,696	5,863 -45.2%	3,742	3,195	2,662 -16.7%
6 Minor Arterial	679,547 48.2	835,472 47.3	1.23	943	755	495 -34.4%	5,392	4,305	2,529 -41.3%	1,424	1,164	1,002 -13.9%
7 Major Collector	856,201 38.9	1,129,645 38.2	1.32	1,534	1,141	801 -29.8%	9,194	6,813	4,334 -36.4%	1,851	1,404	1,292 -8.0%
8 Minor Collector	337,552 39.4	445,377 39.1	1.32	595	449	312 -30.4%	3,570	2,685	1,685 -37.2%	746	565	525 -7.2%
9 Local	1,053,074 28.6	1,389,373 28.2	1.32	2,421	1,816	1,261 -30.6%	16,171	12,067	7,730 -35.9%	2,274	1,723	1,602 -7.1%
Subtotal (kg) (tons)	5,315,992 43.6	6,721,754 42.4	1.26	8,919 9.83	6,970 7.68	4,727 5.21 -32.2%	62,843 69.27	49,872 54.97	29,683 32.72 -40.5%	13,274 14.63	10,727 11.82	9,435 10.40 -12.0%
Small Urban												
12 Other Fwy/Ex	44,995 65.0	54,540 65.0	1.21	69	57	38 -33.3%	740	611	346 -43.4%	144	119	102 -14.4%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
1999 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	1999 VMT speed	Growth from 1990	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)
14 Prin. Arterial	43,911 58.7	53,986 58.1	1.23	61	50	33 -34.0%	473	405	222 -45.3%	125	103	89 -14.0%
16 Minor Arterial	1,376 30.9	1,693 30.7	1.23	3	2	1 -35.6%	18	15	9 -40.8%	3	2	2 -11.6%
Subtotal (kg) (tons)	90,282 60.8	110,219 60.4	1.22	133 0.15	109 0.12	72 0.08 -33.7%	1,231 1.36	1,032 1.14	577 0.64 -44.1%	271 0.30	224 0.25	192 0.21 -14.2%
Urban												
11 Interstate	30,098 65.0	36,484 64.9	1.21	47	39	26 -33.5%	520	431	244 -43.4%	105	87	76 -12.2%
12 Other Fwy/Ex	1,923,471 62.4	2,331,538 59.8	1.21	2,696	2,312	1,466 -36.6%	22,866	22,276	10,704 -51.9%	5,424	4,728	3,810 -19.4%
14 Prin. Arterial	1,327,721 28.5	1,632,374 27.0	1.23	2,930	2,282	1,513 -33.7%	19,671	15,048	9,393 -37.6%	2,580	2,110	1,800 -14.7%
16 Minor Arterial	512,296 20.8	629,845 19.8	1.23	1,442	1,121	735 -34.4%	10,505	8,193	5,051 -38.3%	963	784	670 -14.5%
17 Collector	493,058 15.3	650,511 13.8	1.32	2,112	1,462	1,048 -28.3%	13,728	9,759	6,618 -32.2%	1,031	771	721 -6.4%
19 Local	454,946 10.8	600,249 9.5	1.32	2,591	1,788	1,256 -29.8%	16,413	11,377	7,918 -30.4%	1,006	748	704 -5.8%
Subtotal (kg) (tons)	4,741,590 26.8	5,881,001 24.3	1.24	11,818 13.03	9,004 9.93	6,043 6.66 -32.9%	83,704 92.27	67,084 73.95	39,929 44.01 -40.5%	11,109 12.24	9,228 10.17	7,782 8.58 -15.7%
Chester County Totals (kg) (tons)	10,147,864 33.8	12,712,974 31.6	1.25	20,870 23.00	16,083 17.73	10,843 11.95 -32.6%	147,778 162.90	117,987 130.06	70,188 77.37 -40.5%	24,654 27.18	20,179 22.24	17,409 19.19 -13.7%
Delaware County												
Rural												
2 Other Prin. Art	331,091 55.7	359,601 55.0	1.09	399	367	210 -42.8%	2,570	2,451	1,183 -51.7%	770	722	539 -25.4%
6 Minor Arterial	56,202 45.3	61,042 44.6	1.09	73	66	37 -43.9%	418	378	190 -49.7%	98	91	66 -27.1%
7 Major Collector	79,320	96,986	1.22	130	106	67	787	639	363	162	133	112

VMT, VOC, CO and NOx INVENTORY AND FORECAST
1999 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	1999 VMT speed	Growth from 1990	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)
	39.5	39.3				-37.1%			-43.2%			-15.5%
8 Minor Collector	20,773 39.5	25,395 39.4	1.22	34	28	18 -37.0%	209	171	97 -43.2%	44	36	31 -14.3%
9 Local	123,337 28.8	150,785 28.6	1.22	262	213	133 -37.5%	1,738	1,411	814 -42.3%	246	201	170 -15.8%
Subtotal (kg)	610,723	693,809	1.14	898	780	464	5,722	5,050	2,648	1,320	1,183	917
(tons)	43.6	42.6		0.99	0.86	0.51 -40.5%	6.31	5.57	2.92 -47.6%	1 46	1.30	1.01 -22.5%
Urban												
11 Interstate	1,081,394 63.8	1,998,025 44.6	1.85	2,635	1,376	1,365 -0.8%	18,295	14,638	8,476 -42.1%	4,038	2,965	2,859 -3.6%
12 Other Fwy/Ex	184,803 63.9	341,448 60.8	1.85	405	230	216 -6.0%	3,662	2,400	1,669 -30.4%	805	466	551 18.1%
14 Prin. Arterial	3,915,467 27.2	4,252,620 26.4	1.09	7,853	7,073	3,966 -43.9%	53,118	47,416	24,903 -47.5%	6,795	6,276	4,655 -25.8%
16 Minor Arterial	913,314 20.7	991,959 20.3	1.09	2,255	2,029	1,125 -44.5%	16,383	14,815	7,741 -47.7%	1,545	1,420	1,056 -25.6%
17 Collector	839,013 14.4	1,025,847 13.1	1.22	3,529	2,652	1,704 -35.7%	22,713	17,417	10,753 -38.3%	1,658	1,341	1,143 -14.7%
19 Local	734,330 10.6	897,839 9.6	1.22	3,899	2,950	1,849 -37.3%	24,749	18,789	11,721 -37.6%	1,522	1,228	1,053 -14.2%
Subtotal (kg)	7,668,321	9,507,738	1.24	20,575	16,310	10,225	138,920	115,476	65,263	16,363	13,696	11,317
(tons)	22.9	22.0		22.68	17.98	11.27 -37.3%	153.13	127.29	71.94 -43.5%	18.04	15.10	12.48 -17.4%
Delaware County Totals (kg)	8,279,044	10,201,547	1.23	21,473	17,089	10,689	144,642	120,526	67,912	17,683	14,879	12,235
(tons)	23.7	22.7		23.67	18.84	11.78 -37.5%	159.44	132.86	74.86 -43.7%	19.49	16.40	13.49 -17.8%
Montgomery County												
Rural												
2 Other Prin. Art	1,971,971 55.7	2,234,181 . 54.6	1.13	2,425	2,141	1,289 -39.8%	15,280	14,000	7,138 -49.0%	4,602	4,179	3,227 -22.8%
6 Minor Arterial	380,419 47.9	431,005 47.3	1.13	484	423	251 -40.7%	2,754	2,401	1,281 -46.6%	723	640	502 -21.5%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
1999 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	1999 VMT speed	Growth from 1990	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)
7 Major Collector	255,182 38.1	300,644 37.5	1.18	414	347	214 -38.1%	2,496	2,082	1,172 -43.7%	490	418	341 -18.5%
8 Minor Collector	182,382 38.7	214,883 38.0	1.18	295	246	153 -37.7%	1,788	1,488	841 -43.5%	363	308	255 -17.4%
9 Local	657,835 28.9	775,020 28.8	1.18	1,325	1,120	684 -38.9%	8,787	7,428	4,175 -43.8%	1,267	1,076	889 -17.4%
Subtotal (kg)	3,447,789	3,955,733	1.15	4,942	4,277	2,592	31,105	27,398	14,608	7,445	6,622	5,213
(tons)	44.5	43.7		5.45	4.71	2.86 -39.4%	34.29	30.20	16.10 -46.7%	8.21	7.30	5.75 -21.3%
Small Urban												
12 Other Fwy/Ex	68,563 65.0	84,792 65.0	1.24	107	86	59 -32.3%	1,155	934	537 -42.5%	224	181	157 -13.0%
14 Prin. Arterial	204,536 58.5	231,730 58.0	1.13	257	228	138 -39.6%	1,937	1,778	899 -49.5%	503	449	349 -22.4%
16 Minor Arterial	72,000 30.8	81,568 30.6	1.13	132	116	68 -41.2%	851	745	403 -45.9%	130	115	90 -21.6%
17 Collector	65,339 26.0	76,983 25.8	1.18	142	120	73 -39.4%	968	815	461 -43.4%	121	102	83 -18.6%
19 Local	108,487 23.6	127,816 23.5	1.18	253	214	129 -39.7%	1,779	1,506	849 -43.6%	198	168	137 -18.3%
Subtotal (kg)	518,925	602,889	1.16	891	765	467	6,690	5,778	3,149	1,176	1,016	817
(tons)	37.1	36.8		0.98	0.84	0.51 -39.0%	7.37	6.37	3.47 -45.5%	1.30	1.12	0.90 -19.6%
Urban												
11 Interstate	2,719,850 60.8	3,363,607 53.0	1.24	3,956	3,249	2,108 -35.1%	28,856	29,667	13,513 -54.5%	7,378	6,849	5,256 -23.3%
12 Other Fwy/Ex	999,388 61.5	1,235,938 57.4	1.24	1,397	1,182	751 -36.5%	10,863	10,917	5,054 -53.7%	2,695	2,382	1,874 -21.3%
14 Prin. Arterial	4,177,372 28.2	4,732,841 27.2	1.13	8,394	7,193	4,300 -40.2%	55,985	47,480	26,575 -44.0%	7,368	6,533	5,081 -22.2%
16 Minor Arterial	2,234,060 20.3	2,531,120 19.5	1.13	5,900	4,998	2,976 -40.4%	42,625	36,348	20,424 -43.8%	3,872	3,421	2,686 -21.5%
17 Collector	1,520,523 14.3	1,791,430 13.2	1.18	6,043	4,789	2,966 -38.1%	38,876	31,341	18,664 -40.4%	2,865	2,411	2,002 -17.0%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
1999 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	1999 VMT speed	Growth from 1990	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)	1999 Baseline	1999 Adjusted Baseline	1999 Control Strategy (from '99 AdjBase)
19 Local	1,222,062	1,439,776	1.18	5,843	4,759	2,842	37,523	30,637	18,070	2,506	2,110	1,778
	10.9	10.4				-40.3%			-41.0%			-15.7%
Subtotal (kg)	12,873,255	15,094,712	1.17	31,533	26,170	15,943	214,728	186,390	102,300	26,684	23,706	18,676
(tons)	24.0	22.8		34.76	28.85	17.57	236.69	205.46	112.77	29.41	26.13	20.59
						-39.1%			-45.1%			-21.2%
Montgomery County												
Totals (kg)	16,839,968	19,653,334	1.17	37,367	31,212	19,002	252,523	219,567	120,058	35,305	31,343	24,706
(tons)	26.8	25.5		41.19	34.41	20.95	278.36	242.03	132.34	38.92	34.55	27.23
						-39.1%			-45.3%			-21.2%
Philadelphia County												
Urban												
11 Interstate	4,230,651	4,566,899	1.08	6,856	6,028	3,446	52,216	47,775	22,451	11,055	10,943	7,702
	53.7	48.5				-42.8%			-53.0%			-29.6%
12 Other Fwy/Ex	409,025	441,533	1.08	627	590	320	5,801	5,808	2,443	1,190	1,138	799
	60.7	59.2				-45.7%			-57.9%			-29.8%
14 Prin. Arterial	6,332,080	6,586,634	1.04	17,848	16,343	8,614	128,120	118,606	56,087	12,127	11,654	8,221
	21.7	20.7				-47.3%			-52.7%			-29.5%
16 Minor Arterial	2,726,627	2,836,268	1.04	10,692	9,860	5,092	73,515	68,450	32,312	5,274	5,050	3,581
	14.8	14.1				-48.4%			-52.8%			-29.1%
17 Collector	1,217,717	1,276,257	1.05	4,667	4,381	2,239	32,455	30,591	14,272	2,369	2,257	1,603
	14.7	14.5				-48.9%			-53.3%			-29.0%
19 Local	1,569,364	1,644,773	1.05	7,913	7,455	3,719	53,795	50,694	23,653	3,213	3,058	2,184
	10.3	10.1				-50.1%			-53.3%			-28.6%
Subtotal (kg)	16,485,464	17,352,364	1.05	48,603	44,657	23,430	345,902	321,924	151,219	35,228	34,100	24,088
(tons)	20.7	19.9		53.57	49.23	25.83	381.29	354.86	166.69	38.83	37.59	26.55
						-47.5%			-53.0%			-29.4%
Philadelphia County												
Totals (kg)	16,485,464	17,352,364	1.05	48,603	44,657	23,430	345,902	321,924	151,219	35,228	34,100	24,088
(tons)	20.7	19.9		53.57	49.23	25.83	381.29	354.86	166.69	38.83	37.59	26.55
						-47.5%			-53.0%			-29.4%
Philadelphia 5-County Area												
Totals (kg)	64,602,388	74,749,696	1.16	160,441	134,674	80,055	1,118,781	966,981	515,356	141,885	125,914	98,739
(tons)	25.2	23.9		176.85	148.45	88.24	1,233.23	1,065.90	568.08	156.40	138.80	108.84
						-40.6%			-46.7%			-21.6%

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2002 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2002 VMT speed	Growth from 1990	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)
Bucks County												
Rural												
2 Other Prin. Art	1,408,681 57.1	1,677,990 55.9	1.19	1,876	1,595	825 -48.3%	11,585	10,537	5,272 -50.0%	3,675	3,173	2,368 -25.4%
6 Minor Arterial	483,037 48.4	575,379 47.8	1.19	658	548	280 -48.9%	3,545	2,949	1,607 -45.5%	1,008	854	647 -24.3%
7 Major Collector	397,438 38.4	492,947 37.6	1.24	696	552	289 -47.6%	4,094	3,215	1,858 -42.2%	832	671	529 -21.2%
8 Minor Collector	482,045 37.1	597,838 35.2	1.24	900	692	370 -46.5%	5,429	4,094	2,466 -39.8%	1,009	817	644 -21.2%
9 Local	807,329 27.5	1,001,132 26.0	1.24	1,920	1,478	778 -47.4%	13,101	9,890	5,987 -39.5%	1,671	1,353	1,073 -20.7%
Subtotal (kg) (tons)	3,578,530 41.0	4,345,286 39.3	1.21	6,049 6.67	4,864 5.36	2,541 2.80 -47.8%	37,754 41.62	30,685 33.82	17,189 18.95 -44.0%	8,195 9.03	6,868 7.57	5,260 5.80 -23.4%
Small Urban												
12 Other Fwy/Ex	8,797 65.0	10,094 65.0	1.15	13	11	6 -47.6%	124	108	57 -47.8%	26	23	17 -26.9%
14 Prin. Arterial	200,079 57.1	238,331 56.0	1.19	265	225	116 -48.4%	1,632	1,479	741 -49.9%	510	439	325 -26.0%
16 Minor Arterial	10,764 31.1	12,821 30.9	1.19	21	18	9 -51.4%	134	112	61 -45.4%	21	17	13 -25.3%
17 Collector	32,617 26.2	40,450 25.9	1.24	77	62	31 -49.3%	528	421	241 -42.7%	67	54	42 -21.1%
19 Local	77,687 23.6	96,337 23.6	1.24	197	159	79 -50.1%	1,394	1,124	637 -43.3%	155	125	98 -21.3%
Subtotal (kg) (tons)	329,944 38.7	398,033 38.0	1.21	573 0.63	474 0.52	241 0.27 -49.2%	3,812 4.20	3,243 3.58	1,737 1.91 -46.5%	778 0.86	658 0.72	495 0.55 -24.7%
Urban												
11 Interstate	1,884,145 63.1	2,162,036 61.2	1.15	2,626	2,358	1,184 -49.8%	22,315	21,724	10,159 -53.2%	5,508	4,996	3,577 -28.4%
12 Other Fwy/Ex	764,982 63.9	877,817 63.8	1.15	1,094	955	496 -48.0%	10,277	9,020	4,672 -48.2%	2,285	1,998	1,471 -26.4%
14 Prin. Arterial	3,104,337 26.9	3,697,835 24.8	1.19	7,342	5,773	2,961 -48.7%	50,869	38,781	23,230 -40.1%	6,010	5,074	3,820 -24.7%

Phase II NOx Credit Calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2002 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2002 VMT speed	Growth from 1990	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)
16 Minor Arterial	1,515,715 20.1	1,805,487 19.2	1.19	4,453	3,552	1,746 -50.8%	32,457	26,182	14,867 -43.2%	2,878	2,412	1,832 -24.0%
17 Collector	822,383 11.3	1,020,000 7.9	1.24	5,583	3,246	1,852 -42.9%	33,156	20,712	15,323 -26.0%	1,832	1,398	1,179 -15.5%
19 Local	850,012 9.9	1,054,229 8.0	1.24	5,490	3,659	1,859 -49.2%	33,620	23,208	15,527 -33.1%	1,848	1,443	1,179 -18.3%
Subtotal (kg) (tons)	8,941,574 22.8	10,617,404 19.1	1.19	26,587 29.31	19,543 21.54	10,098 11.13 -48.3%	182,694 201.38	139,627 153.91	83,778 92.35 -40.0%	20,361 22.44	17,318 19.09	13,058 14.39 -24.6%
Bucks County Totals (kg) (tons)	12,850,048 26.4	15,360,723 22.7	1.20	33,209 36.61	24,881 27.43	12,880 14.20 -48.2%	224,261 247.20	173,555 191.31	102,704 113.21 -40.8%	29,335 32.34	24,844 27.39	18,814 20.74 -24.3%
											w/ Phase II Nox Credit	*19.68* *-28.1%*
Chester County												
Rural												
1 Interstates	926,736 65.0	1,178,520 64.9	1.27	1,441	1,135	667 -41.2%	14,198	11,211	6,645 -40.7%	3,267	2,575	2,177 -15.5%
2 Other Prin. Art	1,462,882 55.9	1,908,091 53.4	1.30	2,021	1,542	892 -42.2%	11,680	9,458	5,468 -42.2%	3,801	3,106	2,474 -20.4%
6 Minor Arterial	679,547 48.2	886,370 46.9	1.30	974	728	418 -42.6%	5,183	3,857	2,419 -37.3%	1,478	1,142	952 -16.6%
7 Major Collector	856,201 38.9	1,201,113 37.9	1.40	1,592	1,111	666 -40.0%	9,175	6,330	4,286 -32.3%	1,932	1,381	1,234 -10.7%
8 Minor Collector	337,552 39.4	473,510 39.1	1.40	615	435	259 -40.6%	3,526	2,487	1,646 -33.8%	778	555	501 -9.8%
9 Local	1,053,074 28.6	1,477,058 28.1	1.40	2,525	1,771	1,037 -41.4%	16,561	11,556	7,771 -32.8%	2,376	1,694	1,531 -9.6%
Subtotal (kg) (tons)	5,315,992 43.6	7,124,662 42.1	1.34	9,168 10.11	6,722 7.41	3,938 4.34 -41.4%	60,322 66.49	44,898 49.49	28,234 31.12 -37.1%	13,633 15.03	10,454 11.52	8,869 9.78 -15.2%
Small Urban												
12 Other Fwy/Ex	44,995 65.0	57,219 65.0	1.27	68	54	32 -41.3%	661	520	309 -40.5%	146	115	95 -17.8%
14 Prin. Arterial	43,911	57,274	1.30	62	48	28	430	352	201	128	100	83

Phase II NOx Credit Calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2002 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2002 VMT speed	Growth from 1990	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)
	58.7	57.9				-42.2%			-42.9%			-16.9%
16 Minor Arterial	1,376 30.9	1,796 30.5	1.31	3	2	1 -44.5%	18	14	9 -37.9%	3	2	2 -16.5%
Subtotal (kg)	90,282	116,289	1.29	133	104	61	1,109	886	519	277	217	180
(tons)	60.8	60.3		0.15	0.11	0.07 -41.8%	1.22	0.98	0.57 -41.4%	0.31	0.24	0.20 -17.3%
Urban												
11 Interstate	30,098 65.0	38,276 64.9	1.27	47	37	22 -41.3%	460	363	215 -40.7%	106	83	70 -15.6%
12 Other Fwy/Ex	1,923,471 62.4	2,446,074 58.8	1.27	2,685	2,202	1,209 -45.1%	19,953	19,125	9,341 -51.2%	5,416	4,590	3,483 -24.1%
14 Prin. Arterial	1,327,721 28.5	1,731,796 26.4	1.30	3,095	2,230	1,258 -43.6%	20,629	14,433	9,677 -32.9%	2,696	2,080	1,719 -17.4%
16 Minor Arterial	512,296 20.8	668,207 19.5	1.30	1,541	1,101	608 -44.8%	11,129	8,040	5,238 -34.8%	1,009	774	643 -16.9%
17 Collector	493,058 15.3	691,681 13.3	1.40	2,289	1,437	830 -42.2%	14,616	9,546	6,911 -27.6%	1,087	762	696 -8.6%
19 Local	454,946 10.8	638,207 8.9	1.40	2,828	1,755	987 -43.7%	17,604	11,025	8,357 -24.2%	1,065	738	687 -7.0%
Subtotal (kg)	4,741,590	6,214,241	1.31	12,484	8,761	4,914	84,390	62,532	39,741	11,378	9,028	7,298
(tons)	26.8	23.4		13.76	9.66	5.42 -43.9%	93.02	68.93	43.81 -36.4%	12.54	9.95	8.04 -19.2%
Chester County Totals (kg)	10,147,864	13,455,192	1.33	21,785	15,587	8,913	145,821	108,316	68,494	25,288	19,699	16,347
(tons)	33.8	30.8		24.01	17.18	9.82 -42.8%	160.74	119.40	75.50 -36.8%	27.88	21.71	18.02 -17.0%
											w/ Phase II Nox Credit	*17.09* -21.3%
Delaware County												
Rural												
2 Other Prin. Art	331,091 55.7	371,903 54.7	1.12	396	353	173 -50.9%	2,322	2,138	1,066 -50.1%	769	702	494 -29.6%
6 Minor Arterial	56,202 45.3	63,132 44.2	1.12	73	64	30 -52.4%	392	338	178 -47.2%	100	89	62 -30.3%
7 Major Collector	79,320 39.5	100,658 39.2	1.27	131	103	55 -47.0%	751	586	344 -41.3%	165	130	105 -19.6%

Phase II NOx Credit Calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2002 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2002 VMT speed	Growth from 1990	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)
8 Minor Collector	20,773 39.5	26,364 39.4	1.27	35	27	14 -46.9%	199	156	91 -41.6%	45	35	29 -18.5%
9 Local	123,337 28.8	156,532 28.6	1.27	265	208	108 -48.3%	1,724	1,346	794 -41.0%	251	198	159 -19.6%
Subtotal (kg) (tons)	610,723 43.6	718,589 42.4	1.18	900 0.99	755 0.83	380 0.42 -49.6%	5,388 5.94	4,565 5.03	2,474 2.73 -45.8%	1,329 1.47	1,154 1.27	849 0.94 -26.5%
Urban												
11 Interstate	1,081,394 63.8	2,071,970 42.0	1.92	2,754	1,303	1,151 -11.6%	17,655	12,208	8,121 -33.5%	4,003	2,854	2,605 -8.7%
12 Other Fwy/Ex	184,803 63.9	354,087 60.1	1.92	397	219	178 -18.8%	3,088	2,015	1,416 -29.7%	799	451	504 11.8%
14 Prin. Arterial	3,915,467 27.2	4,398,085 26.0	1.12	8,035	6,917	3,232 -53.3%	53,854	45,515	24,817 -45.5%	6,908	6,174	4,358 -29.4%
16 Minor Arterial	913,314 20.7	1,025,894 20.1	1.12	2,315	1,995	910 -54.4%	16,758	14,543	7,748 -46.7%	1,573	1,398	994 -28.9%
17 Collector	839,013 14.4	1,064,749 12.7	1.27	3,677	2,608	1,312 -49.7%	23,285	16,974	10,823 -36.2%	1,700	1,321	1,080 -18.2%
19 Local	734,330 10.6	931,897 9.3	1.27	4,054	2,894	1,404 -51.5%	25,203	18,119	11,746 -35.2%	1,562	1,207	995 -17.6%
Subtotal (kg) (tons)	7,668,321 22.9	9,846,682 21.4	1.28	21,232 23.40	15,935 17.57	8,187 9.02 -48.6%	139,843 154.15	109,373 120.56	64,671 71.29 -40.9%	16,545 18.24	13,405 14.78	10,538 11.61 -21.4%
Delaware County Totals (kg) (tons)	8,279,044 23.7	10,565,271 22.2	1.28	22,132 24.40	16,690 18.40	8,568 9.44 -48.7%	145,231 160.09	113,938 125.59	67,145 74.01 -41.1%	17,875 19.70	14,560 16.05	11,385 12.55 -21.8%
											w/ Phase II Nox Credit	*11.90* *-25.9%*
Montgomery County												
Rural												
2 Other Prin. Art	1,971,971 55.7	2,306,353 54.3	1.17	2,411	2,065	1,065 -48.4%	13,943	12,355	6,495 -47.4%	4,598	4,066	2,948 -27.5%
6 Minor Arterial	380,419 47.9	444,927 47.1	1.17	486	408	207 -49.4%	2,557	2,144	1,187 -44.6%	732	629	467 -25.7%
7 Major Collector	255,182 38.1	312,025 37.4	1.22	419	337	175 -48.2%	2,426	1,934	1,129 -41.6%	501	410	318 -22.3%

Phase II NOx Credit Calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2002 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2002 VMT speed	Growth from 1990	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)
8 Minor Collector	182,382 38.7	222,995 37.9	1.22	299	240	125 -47.9%	1,732	1,378	806 -41.5%	368	302	237 -21.7%
9 Local	657,835 28.9	804,180 28.7	1.22	1,346	1,097	551 -49.7%	8,740	7,104	4,081 -42.5%	1,292	1,058	831 -21.4%
Subtotal (kg)	3,447,789	4,090,480	1.19	4,961	4,147	2,122	29,397	24,914	13,698	7,491	6,466	4,802
(tons)	44.5	43.4		5.47	4.57	2.34 -48.8%	32.40	27.46	15.10 -45.0%	8.26	7.13	5.29 -25.7%
Small Urban												
12 Other Fwy/Ex	68,563 65.0	87,138 65.0	1.27	104	82	48 -41.2%	1,004	790	470 -40.6%	222	175	144 -18.0%
14 Prin. Arterial	204,536 58.5	239,216 57.9	1.17	255	220	113 -48.6%	1,727	1,545	804 -48.0%	505	438	321 -26.5%
16 Minor Arterial	72,000 30.8	84,207 30.5	1.17	134	113	55 -51.9%	840	709	392 -44.7%	132	113	84 -25.9%
17 Collector	65,339 26.0	79,889 25.7	1.22	145	118	59 -50.2%	975	787	456 -42.1%	123	101	78 -22.4%
19 Local	108,487 23.6	132,702 23.5	1.22	258	210	104 -50.7%	1,798	1,466	842 -42.5%	203	166	129 -22.4%
Subtotal (kg)	518,925	623,152	1.20	896	744	379	6,345	5,298	2,964	1,187	993	756
(tons)	37.1	36.7		0.99	0.82	0.42 -49.1%	6.99	5.84	3.27 -44.1%	1.31	1.09	0.83 -23.8%
Urban												
11 Interstate	2,719,850 60.8	3,456,658 51.8	1.27	3,958	3,109	1,727 -44.4%	25,798	25,343	12,037 -52.5%	7,218	6,615	4,724 -28.6%
12 Other Fwy/Ex	999,388 61.5	1,270,120 56.5	1.27	1,379	1,128	611 -45.8%	9,369	9,353	4,371 -53.3%	2,651	2,314	1,691 -26.9%
14 Prin. Arterial	4,177,372 28.2	4,885,737 27.0	1.17	8,545	7,057	3,445 -51.2%	56,221	45,579	26,267 -42.4%	7,498	6,438	4,741 -26.4%
16 Minor Arterial	2,234,060 20.3	2,612,873 19.3	1.17	6,086	4,921	2,383 -51.6%	43,603	35,716	20,462 -42.7%	3,954	3,383	2,519 -25.5%
17 Collector	1,520,523 14.3	1,859,262 12.9	1.22	6,273	4,714	2,257 -52.1%	39,830	30,598	18,786 -38.6%	2,940	2,377	1,881 -20.9%
19 Local	1,222,062 10.9	1,494,269 10.2	1.22	6,025	4,674	2,144 -54.1%	37,992	29,605	17,959 -39.3%	2,560	2,069	1,671 -19.2%

Phase II NOx Credit Calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2002 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2002 VMT speed	Growth from 1990	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)	2002 Baseline	2002 Adjusted Baseline	2002 Control Strategy (from '02 AdjBase)
Subtotal (kg)	12,873,255	15,578,919	1.21	32,266	25,603	12,568	212,814	176,193	99,882	26,820	23,196	17,227
(tons)	24.0	22.4		35.57	28.22	13.85	234.58	194.22	110.10	29.56	25.57	18.99
						-50.9%			-43.3%			-25.7%
Montgomery County Totals (kg)	16,839,968	20,292,552	1.21	38,123	30,494	15,069	248,556	206,405	116,544	35,498	30,654	22,785
(tons)	26.8	25.1		42.02	33.61	16.61	273.98	227.52	128.47	39.13	33.79	25.12
						-50.6%			-43.5%			-25.7%
											w/ Phase II Nox Credit	*23.83*
												-29.5%
Philadelphia County												
Urban												
11 Interstate	4,230,651	4,632,311	1.09	6,736	5,739	2,780	44,843	39,382	19,065	10,745	10,536	6,939
	53.7	47.6				-51.6%			-51.6%			-34.1%
12 Other Fwy/Ex	409,025	447,855	1.09	601	557	258	4,682	4,663	1,971	1,152	1,094	721
	60.7	58.9				-53.8%			-57.7%			-34.1%
14 Prin. Arterial	6,332,080	6,651,078	1.05	17,845	16,039	6,784	126,416	114,583	53,804	12,023	11,430	7,559
	21.7	20.5				-57.7%			-53.0%			-33.9%
16 Minor Arterial	2,726,627	2,863,979	1.05	10,670	9,665	3,844	71,923	66,073	30,784	5,237	4,959	3,300
	14.8	14.0				-60.2%			-53.4%			-33.5%
17 Collector	1,217,717	1,292,459	1.06	4,648	4,294	1,700	31,796	29,536	13,612	2,357	2,216	1,485
	14.7	14.4				-60.4%			-53.9%			-33.0%
19 Local	1,569,364	1,665,681	1.06	7,841	7,267	2,764	51,736	48,007	22,217	3,196	2,997	2,019
	10.3	10.1				-62.0%			-53.7%			-32.6%
Subtotal (kg)	16,485,464	17,553,364	1.06	48,341	43,561	18,129	331,396	302,244	141,453	34,710	33,233	22,022
(tons)	20.7	19.7		53.29	48.02	19.98	365.30	333.16	155.92	38.26	36.63	24.26
						-58.4%			-53.2%			-33.7%
Philadelphia County Totals (kg)	16,485,464	17,553,364	1.06	48,341	43,561	18,129	331,396	302,244	141,453	34,710	33,233	22,022
(tons)	20.7	19.7		53.29	48.02	19.98	365.30	333.16	155.92	38.26	36.63	24.28
						-58.4%			-53.2%			-33.7%
											w/ Phase II Nox Credit	*22.93*
												-37.4%
Philadelphia 5-County Area Totals (kg)	64,602,388	77,227,104	1.20	163,591	131,213	63,557	1,095,265	904,458	496,339	142,705	122,989	91,354
(tons)	25.2	23.5		180.33	144.64	70.06	1207.31	996.98	547.11	157.30	135.57	100.70
						-51.6%			-45.1%			-25.7%
											w/ Phase II Nox Credit	*95.41*
												-29.6%

Phase II NOx Credit Calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
Bucks County												
Rural												
2 Other Prin. Art	1,408,681 57.1	1,733,864 55.6	1.23	1,892	1,559	749 -52.0%	11,094	9,879	4,958 -49.8%	3,730	3,138	2,280 -27.3%
6 Minor Arterial	483,037 48.4	594,549 47.7	1.23	672	538	255 -52.6%	3,489	2,795	1,555 -44.4%	1,036	850	634 -25.4%
7 Major Collector	397,438 38.4	512,074 37.4	1.29	717	544	264 -51.5%	4,140	3,103	1,843 -40.6%	860	668	520 -22.1%
8 Minor Collector	482,045 37.1	621,066 34.7	1.29	930	682	342 -49.9%	5,561	3,958	2,476 -37.4%	1,043	814	634 -22.2%
9 Local	807,329 27.5	1,040,176 25.7	1.29	1,993	1,459	717 -50.9%	13,582	9,699	6,065 -37.5%	1,725	1,347	1,051 -22.0%
Subtotal (kg) (tons)	3,578,530 41.0	4,501,729 38.9	1.26	6,204 6.84	4,782 5.27	2,327 2.56 -51.3%	37,866 41.74	29,435 32.45	16,898 18.63 -42.6%	8,394 9.25	6,817 7.51	5,119 5.64 -24.9%
Small Urban												
12 Other Fwy/Ex	8,797 65.0	10,418 65.0	1.18	13	11	5 -50.6%	118	100	53 -47.0%	27	23	16 -28.4%
14 Prin. Arterial	200,079 57.1	246,267 55.8	1.23	267	220	106 -52.0%	1,565	1,390	699 -49.7%	518	435	314 -27.7%
16 Minor Arterial	10,764 31.1	13,246 30.9	1.23	22	17	8 -55.2%	135	109	60 -44.6%	21	17	13 -26.3%
17 Collector	32,617 26.2	42,025 25.9	1.29	80	61	29 -53.2%	540	414	241 -41.7%	69	53	42 -22.1%
19 Local	77,687 23.6	100,069 23.6	1.29	203	157	73 -53.9%	1,431	1,109	640 -42.3%	160	124	97 -22.2%
Subtotal (kg) (tons)	329,944 38.7	412,025 37.9	1.25	584 0.64	467 0.51	220 0.24 -52.9%	3,790 4.18	3,121 3.44	1,693 1.87 -45.7%	795 0.88	652 0.72	482 0.53 -26.2%
Urban												
11 Interstate	1,884,145 63.1	2,231,388 60.5	1.18	2,623	2,298	1,066 -53.6%	20,448	20,008	9,133 -54.4%	5,519	4,918	3,408 -30.7%
12 Other Fwy/Ex	764,982 63.9	905,970 63.7	1.18	1,100	931	452 -51.5%	9,747	8,319	4,342 -47.8%	2,322	1,971	1,420 -27.9%
14 Prin. Arterial	3,104,337 26.9	3,820,914 24.3	1.23	7,640	5,713	2,730 -52.2%	52,991	38,085	23,670 -37.8%	6,185	5,058	3,741 -26.0%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
16 Minor Arterial	1,515,715 20.1	1,865,584 19.0	1.23	4,616	3,519	1,601 -54.5%	33,442	25,947	14,975 -42.3%	2,961	2,401	1,793 -25.3%
17 Collector	822,383 11.3	1,059,580 7.2	1.29	6,215	3,206	1,752 -45.4%	35,545	20,288	16,018 -21.0%	1,917	1,388	1,172 -15.6%
19 Local	850,012 9.9	1,095,163 7.6	1.29	5,899	3,613	1,714 -52.6%	35,242	22,697	15,886 -30.0%	1,926	1,431	1,169 -18.3%
Subtotal (kg) (tons)	8,941,574 22.8	10,978,599 18.4	1.23	28,092 30.97	19,281 21.25	9,315 10.27 -51.7%	187,415 206.59	135,345 149.19	84,023 92.62 -37.9%	20,830 22.96	17,167 18.92	12,703 14.00 -26.0%
Bucks County Totals (kg) (tons)	12,850,048 26.4	15,892,353 22.0	1.24	34,880 38.45	24,531 27.04	11,862 13.08 -51.6%	229,071 252.51	167,901 185.08	102,614 113.11 -38.9%	30,019 33.09	24,636 27.16	18,304 20.18 -25.7%
											w/ Phase II Nox Cre	*19.36* *-28.7%*
Chester County												
Rural												
1 Interstates	926,736 65.0	1,235,734 64.9	1.33	1,482	1,113	618 -44.5%	13,783	10,382	6,313 -39.2%	3,369	2,530	2,129 -15.8%
2 Other Prin. Art	1,482,882 55.9	2,017,628 52.7	1.38	2,117	1,531	836 -45.4%	11,726	8,995	5,393 -40.0%	3,919	3,076	2,421 -21.3%
6 Minor Arterial	679,547 48.2	937,261 46.6	1.38	1,029	723	392 -45.8%	5,312	3,693	2,436 -34.0%	1,556	1,138	954 -16.2%
7 Major Collector	856,201 38.9	1,272,600 37.7	1.49	1,687	1,101	626 -43.2%	9,528	6,142	4,370 -28.9%	2,041	1,377	1,244 -9.7%
8 Minor Collector	337,552 39.4	501,709 39.0	1.49	648	431	242 -43.8%	3,633	2,411	1,665 -30.9%	822	553	503 -9.0%
9 Local	1,053,074 28.6	1,565,162 27.9	1.49	2,663	1,758	970 -44.8%	17,360	11,347	7,983 -29.6%	2,503	1,689	1,540 -8.9%
Subtotal (kg) (tons)	5,315,992 43.6	7,530,094 41.8	1.42	9,626 10.61	6,658 7.34	3,685 4.06 -44.7%	61,343 67.62	42,969 47.36	28,160 31.04 -34.5%	14,210 15.66	10,364 11.42	8,791 9.69 -15.2%
Small Urban												
12 Other Fwy/Ex	44,995 65.0	59,998 65.0	1.33	71	53	29 -44.6%	647	485	297 -38.8%	152	114	93 -18.0%
14 Prin. Arterial	43,911	60,565	1.38	65	48	26	420	331	193	133	99	82

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
	58.7	57.6				-45.5%			-41.8%			-16.9%
16 Minor Arterial	1,376 30.9	1,899 30.4	1.38	3	2	1 -47.9%	19	14	9 -35.3%	3	2	2 -13.3%
Subtotal (kg)	90,282	122,462	1.36	138	103	56	1,086	830	499	287	215	177
(tons)	60.8	60.1		0.15	0.11	0.06 -45.1%	1.20	0.92	0.55 -39.9%	0.32	0.24	0.20 -17.4%
Urban												
11 Interstate	30,098 65.0	40,135 64.9	1.33	48	36	20 -44.6%	446	336	204 -39.3%	109	82	69 -16.0%
12 Other Fwy/Ex	1,923,471 62.4	2,564,818 57.5	1.33	2,760	2,171	1,108 -49.0%	18,827	17,931	8,658 -51.7%	5,474	4,545	3,355 -26.2%
14 Prin. Arterial	1,327,721 28.5	1,831,219 25.9	1.38	3,309	2,212	1,190 -46.2%	22,027	14,182	10,130 -28.6%	2,839	2,071	1,726 -16.6%
16 Minor Arterial	512,296 20.8	706,578 19.0	1.38	1,669	1,095	578 -47.2%	11,853	7,966	5,467 -31.4%	1,062	770	644 -16.3%
17 Collector	493,058 15.3	732,860 12.7	1.49	2,487	1,426	778 -45.5%	15,641	9,424	7,244 -23.1%	1,150	759	703 -7.3%
19 Local	454,946 10.8	676,194 8.3	1.49	3,222	1,738	952 -45.2%	19,271	10,813	8,947 -17.3%	1,136	734	697 -5.0%
Subtotal (kg)	4,741,590	6,551,804	1.38	13,495	8,678	4,625	88,065	60,653	40,651	11,770	8,960	7,194
(tons)	26.8	22.4		14.88	9.57	5.10 -46.7%	97.07	66.86	44.81 -33.0%	12.97	9.88	7.93 -19.7%
Chester County Totals (kg)	10,147,864	14,204,360	1.40	23,259	15,438	8,366	150,493	104,453	69,309	26,267	19,538	16,162
(tons)	33.8	29.9		25.64	17.02	9.22 -45.8%	165.89	115.14	76.40 -33.6%	28.95	21.54	17.82 -17.3%
											w/ Phase II Nox Cre	*16.89* *-21.6%*
Delaware County												
Rural												
2 Other Prin. Art	331,091 55.7	384,199 54.4	1.16	405	348	160 -54.0%	2,255	2,011	1,026 -49.0%	778	693	477 -31.2%
6 Minor Arterial	56,202 45.3	65,219 43.9	1.16	76	63	28 -55.4%	390	322	176 -45.2%	103	89	61 -31.1%
7 Major Collector	79,320 39.5	104,334 39.1	1.32	136	102	50 -50.6%	752	564	340 -39.7%	170	130	103 -20.4%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
8 Minor Collector	20,773 39.5	27,326 39.3	1.32	36	27	13 -50.7%	199	150	90 -40.2%	46	35	28 -19.4%
9 Local	123,337 28.8	162,241 28.6	1.32	273	207	99 -52.0%	1,753	1,320	795 -39.8%	259	197	156 -20.4%
Subtotal (kg) (tons)	610,723 43.6	743,319 42.3	1.22	925 1.02	747 0.82	351 0.39 -53.0%	5,349 5.90	4,367 4.81	2,427 2.68 -44.4%	1,355 1.49	1,143 1.26	826 0.91 -27.7%
Urban												
11 Interstate	1,081,394 63.8	2,145,931 39.3	1.98	2,979	1,279	1,115 -12.8%	18,604	11,211	8,436 -24.8%	4,059	2,804	2,517 -10.2%
12 Other Fwy/Ex	184,803 63.9	366,728 59.2	1.98	404	215	164 -23.5%	2,896	1,859	1,319 -29.1%	802	446	485 8.7%
14 Prin. Arterial	3,915,467 27.2	4,543,515 25.6	1.16	8,373	6,865	2,999 -56.3%	55,822	44,743	25,289 -43.5%	7,097	6,148	4,267 -30.6%
16 Minor Arterial	913,314 20.7	1,059,806 19.9	1.16	2,408	1,986	842 -57.6%	17,317	14,435	7,861 -45.5%	1,613	1,390	975 -29.9%
17 Collector	839,013 14.4	1,103,620 12.3	1.32	3,883	2,594	1,210 -53.3%	24,270	16,775	11,075 -34.0%	1,758	1,309	1,066 -18.5%
19 Local	734,330 10.6	965,908 9.0	1.32	4,272	2,872	1,294 -55.0%	26,204	17,807	11,987 -32.7%	1,614	1,198	985 -17.8%
Subtotal (kg) (tons)	7,668,321 22.9	10,185,508 20.9	1.33	22,320 24.60	15,812 17.43	7,625 8.40 -51.8%	145,111 159.96	106,829 117.76	65,967 72.72 -38.3%	16,943 18.68	13,294 14.65	10,295 11.35 -22.6%
Delaware County Totals (kg) (tons)	8,279,044 23.7	10,928,827 21.6	1.32	23,245 25.62	16,560 18.25	7,976 8.79 -51.8%	150,460 165.85	111,196 122.57	68,394 75.39 -38.5%	18,299 20.17	14,438 15.91	11,121 12.26 -23.0%
											w/ Phase II Nox Cre	*11.59* *-27.2%*
Montgomery County												
Rural												
2 Other Prin. Art	1,971,971 55.7	2,378,546 54.0	1.21	2,460	2,036	972 -52.2%	13,652	11,737	6,277 -46.5%	4,662	4,026	2,856 -29.1%
6 Minor Arterial	380,419 47.9	458,849 46.9	1.21	497	404	191 -52.8%	2,538	2,048	1,163 -43.2%	753	625	459 -26.6%
7 Major Collector	255,182 38.1	323,410 37.2	1.27	432	334	160 -52.1%	2,454	1,876	1,124 -40 1%	517	409	314 -23.3%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
8 Minor Collector	182,382 38.7	231,158 37.7	1.27	308	237	115 -51.7%	1,752	1,334	802 -39.9%	380	300	233 -22.5%
9 Local	657,835 28.9	833,723 28.7	1.27	1,387	1,089	506 -53.5%	8,903	6,975	4,082 -41.5%	1,333	1,052	818 -22.2%
Subtotal (kg) (tons)	3,447,789 44.5	4,225,686 43.2	1.23	5,083 5.60	4,100 4.52	1,944 2.14 -52.6%	29,298 32.30	23,970 26.42	13,447 14.82 -43.9%	7,645 8.43	6,413 7.07	4,680 5.16 -27.0%
Small Urban												
12 Other Fwy/Ex	68,563 65.0	89,484 65.0	1.31	105	81	44 -45.6%	959	735	442 -39.9%	225	173	139 -19.7%
14 Prin. Arterial	204,536 58.5	246,705 57.8	1.21	259	217	104 -52.2%	1,667	1,457	765 -47.5%	515	434	312 -28.1%
16 Minor Arterial	72,000 30.8	86,840 30.4	1.21	137	113	50 -55.9%	851	695	391 -43.8%	136	113	82 -27.1%
17 Collector	65,339 26.0	82,818 25.7	1.27	150	117	54 -53.9%	1,000	776	459 -40.8%	127	100	77 -23.2%
19 Local	108,487 23.6	137,482 23.5	1.27	266	209	95 -54.5%	1,842	1,449	846 -41.6%	210	165	127 -23.2%
Subtotal (kg) (tons)	518,925 37.1	643,329 36.6	1.24	917 1.01	736 0.81	346 0.38 -53.0%	6,319 6.97	5,112 5.64	2,903 3.20 -43.2%	1,213 1.34	986 1.09	737 0.81 -25.2%
Urban												
11 Interstate	2,719,850 60.8	3,549,737 50.5	1.31	4,056	3,046	1,587 -47.9%	24,952	23,670	11,464 -51.6%	7,184	6,524	4,464 -31.6%
12 Other Fwy/Ex	999,388 61.5	1,304,320 55.6	1.31	1,391	1,111	558 -49.8%	8,799	8,766	4,050 -53.8%	2,649	2,290	1,616 -29.5%
14 Prin. Arterial	4,177,372 28.2	5,038,627 26.7	1.21	8,836	7,002	3,143 -55.1%	57,883	44,806	26,552 -40.7%	7,706	6,425	4,650 -27.6%
16 Minor Arterial	2,234,060 20.3	2,694,667 19.0	1.21	6,338	4,887	2,195 -55.1%	45,000	35,423	20,708 -41.5%	4,061	3,369	2,467 -26.8%
17 Collector	1,520,523 14.3	1,927,083 12.6	1.27	6,591	4,681	2,064 -55.9%	41,350	30,205	19,107 -36.7%	3,045	2,363	1,856 -21.4%
19 Local	1,222,062 10.9	1,548,829 10.0	1.27	6,286	4,626	1,951 -57.8%	39,165	29,051	18,112 -37.7%	2,635	2,053	1,640 -20.1%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and NOx INVENTORY AND FORECAST
2005 Emissions by County by Functional Class

	VMT			VOC (kg)			CO (kg)			NOx (kg)		
	1990 VMT speed	2005 VMT speed	Growth from 1990	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)	2005 Baseline	2005 Adjusted Baseline	2005 Control Strategy (from '05 AdjBase)
Subtotal (kg)	12,873,255	16,063,263	1.25	33,499	25,353	11,497	217,149	171,921	99,994	27,281	23,024	16,693
(tons)	24.0	21.9		36.93	27.95	12.67	239.36	189.51	110.22	30.07	25.38	18.40
						-54.7%			-41.8%			-27.5%
Montgomery County												
Totals (kg)	16,839,968	20,932,278	1.24	39,500	30,189	13,788	252,766	201,003	116,343	36,139	30,423	22,110
(tons)	26.8	24.7		43.54	33.28	15.20	278.62	221.57	128.25	39.84	33.53	24.37
						-54.3%			-42.1%			-27.3%
											w/ Phase II Nox Cre	*23.06*
												-31.2%
Philadelphia County												
Urban												
11 Interstate	4,230,651	4,697,752	1.11	6,773	5,592	2,525	42,457	35,730	17,797	10,658	10,332	6,541
	53.7	46.7				-54.8%			-50.2%			-36.7%
12 Other Fwy/Ex	409,025	454,186	1.11	592	543	231	4,238	4,189	1,774	1,138	1,072	681
	60.7	58.6				-57.5%			-57.7%			-36.4%
14 Prin. Arterial	6,332,080	6,715,550	1.06	18,036	15,906	6,118	127,556	113,282	53,142	12,026	11,320	7,199
	21.7	20.3				-61.5%			-53.1%			-36.4%
16 Minor Arterial	2,726,627	2,891,738	1.06	10,741	9,590	3,435	72,022	65,348	30,175	5,237	4,911	3,154
	14.8	13.9				-64.2%			-53.8%			-35.8%
17 Collector	1,217,717	1,308,670	1.07	4,693	4,261	1,519	31,918	29,215	13,369	2,363	2,191	1,418
	14.7	14.3				-64.3%			-54.2%			-35.3%
19 Local	1,569,364	1,686,612	1.07	7,870	7,189	2,452	51,455	47,083	21,629	3,204	2,964	1,924
	10.3	10.1				-65.9%			-54.1%			-35.1%
Subtotal (kg)	16,485,464	17,754,508	1.08	48,705	43,080	16,279	329,646	294,847	137,887	34,626	32,789	20,917
(tons)	20.7	19.6		53.69	47.49	17.94	363.37	325.01	151.99	38.17	36.14	23.06
						-62.2%			-53.2%			-36.2%
Philadelphia County												
Totals (kg)	16,485,464	17,754,508	1.08	48,705	43,080	16,279	329,646	294,847	137,887	34,626	32,789	20,917
(tons)	20.7	19.6		53.69	47.49	17.94	363.37	325.01	151.99	38.17	36.14	23.06
						-62.2%			-53.2%			-36.2%
											w/ Phase II Nox Cre	*21.85*
												-39.5%
Philadelphia 5-County Area												
Totals (kg)	64,602,388	79,712,320	1.23	169,588	129,797	58,271	1,112,436	879,400	494,547	145,351	121,824	88,614
(tons)	25.2	23.0		186.94	143.08	64.23	1226.24	969.36	545.14	160.22	134.29	97.68
						-55.1%			-43.8%			-27.3%
											w/ Phase II Nox Cre	*92.75*
												-30.9%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO and Nox Inventory and Forecast Emissions by County by Vehicle Type

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	12,994,008	87.6%		28,074	87.4%	199,054	87.3%	23,677	81.6%
	LDGT1	504,912	3.4%		1,154	3.6%	10,426	4.6%	1,257	4.3%
	LDGT2	352,605	2.4%		902	2.8%	8,516	3.7%	920	3.2%
	HDGV	69,222	0.5%		276	0.9%	2,641	1.2%	378	1.3%
	LDDV	558,659	3.8%		280	0.9%	753	0.3%	840	2.9%
	LDDT	45,305	0.3%		30	0.1%	63	0.0%	84	0.3%
	HDDV	123,770	0.8%		200	0.6%	1,111	0.5%	1,670	5.8%
	MC	181,003	1.2%		1,213	3.8%	5,372	2.4%	188	0.6%
	Total	14,829,484		23.5	32,128		227,936		29,015	
				total tons:	35.42		251.25		31.98	

	kg	ton	pct.
Exhaust	17,140	18.89	53.3%
Evaporative	3,981	4.39	12.4%
Refueling	0	0.00	0.0%
Running Loss	9,821	10.83	30.6%
Resting Loss	1,186	1.31	3.7%

Chester	LDGV	11,007,230	86.6%		17,646	84.6%	125,016	84.6%	19,523	79.2%
	LDGT1	497,358	3.9%		924	4.4%	8,499	5.8%	1,231	5.0%
	LDGT2	347,266	2.7%		722	3.5%	7,019	4.7%	907	3.7%
	HDGV	66,968	0.5%		216	1.0%	2,116	1.4%	380	1.5%
	LDDV	474,094	3.7%		188	0.9%	507	0.3%	685	2.8%
	LDDT	45,846	0.4%		24	0.1%	53	0.0%	84	0.3%
	HDDV	121,683	1.0%		166	0.8%	918	0.6%	1,674	6.8%
	MC	152,529	1.2%		984	4.7%	3,650	2.5%	171	0.7%
	Total	12,712,974		31.6	20,870		147,778		24,654	
				total tons:	23.00		162.90		27.18	

	kg	ton	pct.
Exhaust	11,303	12.46	54.2%
Evaporative	3,232	3.56	15.5%
Refueling	0	0.00	0.0%
Running Loss	5,323	5.87	25.5%
Resting Loss	1,012	1.12	4.9%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	8,951,690	87.7%		18,784	87.5%	127,044	87.8%	14,458	81.8%
	LDGT1	340,670	3.3%		760	3.5%	6,440	4.5%	748	4.2%
	LDGT2	237,531	2.3%		560	2.6%	4,890	3.4%	527	3.0%
	HDGV	45,981	0.5%		180	0.8%	1,592	1.1%	240	1.4%
	LDDV	384,722	3.8%		197	0.9%	514	0.4%	512	2.9%
	LDDT	31,586	0.3%		22	0.1%	44	0.0%	52	0.3%
	HDDV	84,440	0.8%		144	0.7%	766	0.5%	1,030	5.8%
	MC	124,927	1.2%		826	3.8%	3,351	2.3%	115	0.6%
	Total	10,201,547		22.7	21,473		144,642		17,683	
				total tons:	23.67		159.44		19.49	

	kg	ton	pct.
Exhaust	11,175	12.32	52.0%
Evaporative	2,600	2.87	12.1%
Refueling	0	0.00	0.0%
Running Loss	6,886	7.59	32.1%
Resting Loss	813	0.90	3.8%

Montgomery	LDGV	17,224,976	87.6%		32,250	86.3%	218,884	86.7%	28,653	81.2%
	LDGT1	667,411	3.4%		1,468	3.9%	12,548	5.0%	1,556	4.4%
	LDGT2	467,640	2.4%		1,103	3.0%	9,751	3.9%	1,124	3.2%
	HDGV	89,147	0.5%		328	0.9%	2,955	1.2%	477	1.3%
	LDDV	740,501	3.8%		341	0.9%	912	0.4%	1,012	2.9%
	LDDT	60,999	0.3%		40	0.1%	84	0.0%	108	0.3%
	HDDV	163,281	0.8%		269	0.7%	1,488	0.6%	2,135	6.0%
	MC	239,379	1.2%		1,567	4.2%	5,902	2.3%	240	0.7%
	Total	19,653,334		25.5	37,367		252,523		35,305	
				total tons:	41.19		278.36		38.92	

	kg	ton	pct.
Exhaust	19,618	21.62	52.5%
Evaporative	4,976	5.49	13.3%
Refueling	0	0.00	0.0%
Running Loss	11,205	12.35	30.0%
Resting Loss	1,568	1.73	4.2%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Uncontrolled Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,136,525	87.2%		42,968	88.4%	305,768	88.4%	28,739	81.6%
	LDGT1	620,679	3.6%		1,770	3.6%	15,752	4.6%	1,596	4.5%
	LDGT2	437,089	2.5%		1,280	2.6%	11,648	3.4%	1,117	3.2%
	HDGV	84,353	0.5%		386	0.8%	3,536	1.0%	453	1.3%
	LDDV	651,183	3.8%		422	0.9%	1,077	0.3%	1,017	2.9%
	LDDT	57,983	0.3%		49	0.1%	97	0.0%	114	0.3%
	HDDV	154,830	0.9%		277	0.6%	1,526	0.4%	2,006	5.7%
	MC	209,722	1.2%		1,451	3.0%	6,499	1.9%	185	0.5%
	Total	17,352,364		19.9	48,603		345,902		35,228	
				total tons:	53.57		381.29		38.83	

	kg	ton	pct.
Exhaust	26,123	28.80	53.7%
Evaporative	5,102	5.62	10.5%
Refueling	0	0.00	0.0%
Running Loss	15,832	17.45	32.6%
Resting Loss	1,546	1.70	3.2%

Area Total

	LDGV	65,314,429	87.4%		139,722	87.1%	975,765	87.2%	115,051	81.1%
	LDGT1	2,631,030	3.5%		6,076	3.8%	53,665	4.8%	6,389	4.5%
	LDGT2	1,842,131	2.5%		4,567	2.8%	41,823	3.7%	4,596	3.2%
	HDGV	355,671	0.5%		1,386	0.9%	12,840	1.1%	1,928	1.4%
	LDDV	2,809,159	3.8%		1,428	0.9%	3,765	0.3%	4,066	2.9%
	LDDT	241,719	0.3%		164	0.1%	341	0.0%	441	0.3%
	HDDV	648,004	0.9%		1,056	0.7%	5,809	0.5%	8,516	6.0%
	MC	907,560	1.2%		6,042	3.8%	24,774	2.2%	899	0.6%
	Total:	74,749,703		23.9	160,441		1,118,781		141,885	
				Total Tons:	176.85		1,233.23		156.40	

	kg	tons	pct.
Exhaust	85,358	94.09	53.2%
Evaporative	19,892	21.93	12.4%
Refueling	0	0.00	0.0%
Running Loss	49,066	54.09	30.6%
Resting Loss	6,125	6.75	3.8%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	11,256,289	87.6%		22,266	86.9%	162,765	87.1%	20,721	81.5%
	LDGT1	439,011	3.4%		949	3.7%	8,853	4.7%	1,109	4.4%
	LDGT2	306,774	2.4%		742	2.9%	7,253	3.9%	813	3.2%
	HDGV	60,203	0.5%		225	0.9%	2,190	1.2%	333	1.3%
	LDDV	483,922	3.8%		230	0.9%	610	0.3%	729	2.9%
	LDDT	39,400	0.3%		25	0.1%	52	0.0%	74	0.3%
	HDDV	107,653	0.8%		166	0.6%	917	0.5%	1,467	5.8%
	MC	156,796	1.2%		1,029	4.0%	4,339	2.3%	167	0.7%
	Total	12,850,048		26.4	25,632		186,978		25,413	
				total tons:	28.25		206.11		28.01	

	kg	ton	pct.
Exhaust	13,961	15.39	54.5%
Evaporative	3,450	3.80	13.5%
Refueling	0	0.00	0.0%
Running Loss	7,193	7.93	28.1%
Resting Loss	1,028	1.13	4.0%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Chester	LDGV	8,783,345	86.6%		13,545	84.2%	99,536	84.4%	15,964	79.1%
	LDGT1	398,456	3.9%		726	4.5%	6,903	5.9%	1,012	5.0%
	LDGT2	278,221	2.7%		568	3.5%	5,727	4.9%	746	3.7%
	HDGV	53,668	0.5%		168	1.0%	1,683	1.4%	308	1.5%
	LDDV	378,292	3.7%		144	0.9%	393	0.3%	562	2.8%
	LDDT	36,723	0.4%		19	0.1%	41	0.0%	69	0.3%
	HDDV	97,484	1.0%		129	0.8%	722	0.6%	1,378	6.8%
	MC	121,675	1.2%		784	4.9%	2,981	2.5%	141	0.7%
	Total	10,147,864		33.8	16,083		117,987		20,179	
				total tons:	17.73		130.06		22.24	

	kg	ton	pct.
Exhaust	8,864	9.77	55.1%
Evaporative	2,580	2.84	16.0%
Refueling	0	0.00	0.0%
Running Loss	3,831	4.22	23.8%
Resting Loss	808	0.89	5.0%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	7,298,370	88.2%		14,971	87.6%	105,889	87.9%	12,225	82.2%
	LDGT1	260,358	3.1%		588	3.4%	5,365	4.5%	611	4.1%
	LDGT2	181,359	2.2%		434	2.5%	4,093	3.4%	430	2.9%
	HDGV	34,920	0.4%		136	0.8%	1,268	1.1%	184	1.2%
	LDDV	313,605	3.8%		157	0.9%	415	0.3%	436	2.9%
	LDDT	24,222	0.3%		17	0.1%	35	0.0%	43	0.3%
	HDDV	64,385	0.8%		110	0.6%	598	0.5%	851	5.7%
	MC	101,825	1.2%		676	4.0%	2,863	2.4%	98	0.7%
	Total	8,279,044		23.7	17,089		120,526		14,879	
				total tons:	18.84		132.86		16.40	

	kg	ton	pct.
Exhaust	9,064	9.99	53.0%
Evaporative	2,109	2.33	12.3%
Refueling	0	0.00	0.0%
Running Loss	5,255	5.79	30.7%
Resting Loss	661	0.73	3.9%

Montgomery	LDGV	14,770,267	87.7%		26,890	86.2%	189,817	86.5%	25,433	81.1%
	LDGT1	566,593	3.4%		1,234	4.0%	11,144	5.1%	1,385	4.4%
	LDGT2	396,975	2.4%		928	3.0%	8,694	4.0%	1,001	3.2%
	HDGV	75,639	0.4%		271	0.9%	2,529	1.2%	410	1.3%
	LDDV	634,947	3.8%		285	0.9%	767	0.3%	901	2.9%
	LDDT	51,741	0.3%		33	0.1%	71	0.0%	96	0.3%
	HDDV	138,570	0.8%		224	0.7%	1,252	0.6%	1,902	6.1%
	MC	205,237	1.2%		1,348	4.3%	5,292	2.4%	215	0.7%
	Total	16,839,969		26.8	31,212		219,567		31,343	
				total tons:	34.41		242.03		34.55	

	kg	ton	pct.
Exhaust	16,681	18.39	53.4%
Evaporative	4,264	4.70	13.7%
Refueling	0	0.00	0.0%
Running Loss	8,924	9.84	28.6%
Resting Loss	1,344	1.48	4.3%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Adjusted Baseline

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	14,388,104	87.3%		39,420	88.3%	284,506	88.4%	27,826	81.6%
	LDGT1	586,141	3.6%		1,637	3.7%	14,729	4.6%	1,556	4.6%
	LDGT2	412,431	2.5%		1,182	2.6%	10,879	3.4%	1,087	3.2%
	HDGV	79,590	0.5%		355	0.8%	3,303	1.0%	433	1.3%
	LDDV	618,960	3.8%		393	0.9%	997	0.3%	975	2.9%
	LDDT	54,756	0.3%		45	0.1%	90	0.0%	110	0.3%
	HDDV	146,110	0.9%		256	0.6%	1,416	0.4%	1,933	5.7%
	MC	199,372	1.2%		1,369	3.1%	6,005	1.9%	180	0.5%
	Total	16,485,464		20.7	44,657		321,924		34,100	
				total tons:	49.23		354.86		37.59	

	kg	ton	pct.
Exhaust	24,237	26.72	54.3%
Evaporative	4,847	5.34	10.9%
Refueling	0	0.00	0.0%
Running Loss	14,104	15.55	31.6%
Resting Loss	1,468	1.62	3.3%

Area Total

	LDGV	56,496,375	87.5%		117,092	86.9%	842,512	87.1%	102,170	81.1%
	LDGT1	2,250,559	3.5%		5,135	3.8%	46,994	4.9%	5,672	4.5%
	LDGT2	1,575,760	2.4%		3,853	2.9%	36,646	3.8%	4,077	3.2%
	HDGV	304,020	0.5%		1,155	0.9%	10,973	1.1%	1,668	1.3%
	LDDV	2,429,726	3.8%		1,209	0.9%	3,182	0.3%	3,604	2.9%
	LDDT	206,842	0.3%		138	0.1%	289	0.0%	391	0.3%
	HDDV	554,202	0.9%		885	0.7%	4,905	0.5%	7,531	6.0%
	MC	784,905	1.2%		5,206	3.9%	21,481	2.2%	801	0.6%
	Total:	64,602,389		25.2	134,674		966,981		125,914	
				Total Tons:	148.45		1,065.90		138.80	

	kg	tons	pct.
Exhaust	72,808	80.26	54.1%
Evaporative	17,250	19.01	12.8%
Refueling	0	0.00	0.0%
Running Loss	39,307	43.33	29.2%
Resting Loss	5,309	5.85	3.9%

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Bucks	LDGV	12,994,008	87.6%		13,282	82.5%	89,415	84.4%	15,702	77.3%
	LDGT1	504,912	3.4%		530	3.3%	4,341	4.1%	817	4.0%
	LDGT2	352,605	2.4%		431	2.7%	3,605	3.4%	662	3.3%
	HDGV	69,222	0.5%		213	1.3%	2,109	2.0%	376	1.9%
	LDDV	558,659	3.8%		280	1.7%	753	0.7%	840	4.1%
	LDDT	45,305	0.3%		30	0.2%	63	0.1%	84	0.4%
	HDDV	123,770	0.8%		200	1.2%	1,111	1.0%	1,632	8.0%
	MC	181,003	1.2%		1,127	7.0%	4,582	4.3%	188	0.9%
	Total	14,829,484		23.5	16,092		105,979		20,301	
				total tons:	17.74		116.82		22.38	

	kg	ton	pct.
Exhaust	9,547	10.52	59.3%
Evaporative	2,080	2.29	12.9%
Refueling	0	0.00	0.0%
Running Loss	3,387	3.73	21.0%
Resting Loss	1,078	1.19	6.7%

Chester	LDGV	11,007,230	86.6%		8,606	53.5%	57,365	81.7%	13,003	74.7%
	LDGT1	497,358	3.9%		431	2.7%	3,561	5.1%	797	4.6%
	LDGT2	347,266	2.7%		351	2.2%	2,985	4.3%	656	3.8%
	HDGV	66,968	0.5%		165	1.0%	1,685	2.4%	377	2.2%
	LDDV	474,094	3.7%		188	1.2%	507	0.7%	685	3.9%
	LDDT	45,846	0.4%		24	0.2%	53	0.1%	84	0.5%
	HDDV	121,683	1.0%		166	1.0%	918	1.3%	1,636	9.4%
	MC	152,529	1.2%		911	5.7%	3,114	4.4%	171	1.0%
	Total	12,712,974		31.6	10,843		70,188		17,409	
				total tons:	11.95		77.37		19.19	

	kg	ton	pct.
Exhaust	6,427	7.08	59.3%
Evaporative	1,706	1.88	15.7%
Refueling	0	0.00	0.0%
Running Loss	1,812	2.00	16.7%
Resting Loss	898	0.99	8.3%

Phase II RFG NOx Credit calculated using MOBILE5b.

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Delaware	LDGV	8,951,690	87.7%		8,805	54.7%	57,653	84.9%	9,449	77.2%
	LDGT1	340,670	3.3%		349	2.2%	2,707	4.0%	483	3.9%
	LDGT2	237,531	2.3%		266	1.7%	2,103	3.1%	379	3.1%
	HDGV	45,981	0.5%		139	0.9%	1,266	1.9%	238	1.9%
	LDDV	384,722	3.8%		197	1.2%	514	0.8%	512	4.2%
	LDDT	31,586	0.3%		22	0.1%	44	0.1%	52	0.4%
	HDDV	84,440	0.8%		144	0.9%	766	1.1%	1,007	8.2%
	MC	124,927	1.2%		767	4.8%	2,859	4.2%	115	0.9%
	Total	10,201,547		22.7	10,689		67,912		12,235	
				total tons:	11.78		74.86		13.49	

	kg	ton	pct.
Exhaust	6,227	6.86	58.3%
Evaporative	1,339	1.48	12.5%
Refueling	0	0.00	0.0%
Running Loss	2,403	2.65	22.5%
Resting Loss	720	0.79	6.7%

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Montgomery	LDGV	17,224,976	87.6%		15,444	96.0%	100,776	83.9%	18,970	76.8%
	LDGT1	667,411	3.4%		678	4.2%	5,274	4.4%	1,008	4.1%
	LDGT2	467,640	2.4%		525	3.3%	4,155	3.5%	809	3.3%
	HDGV	89,147	0.5%		253	1.6%	2,336	1.9%	473	1.9%
	LDDV	740,501	3.8%		341	2.1%	912	0.8%	1,012	4.1%
	LDDT	60,999	0.3%		40	0.2%	84	0.1%	108	0.4%
	HDDV	163,281	0.8%		269	1.7%	1,487	1.2%	2,085	8.4%
	MC	239,379	1.2%		1,452	9.0%	5,034	4.2%	240	1.0%
	Total	19,653,334		25.5	19,002		120,058		24,706	
				total tons:	20.95		132.34		27.23	

	kg	ton	pct.
Exhaust	11,104	12.24	58.4%
Evaporative	2,583	2.85	13.6%
Refueling	0	0.00	0.0%
Running Loss	3,924	4.33	20.6%
Resting Loss	1,391	1.53	7.3%

Phase II RFG NOx Credit calculated using MOBILE5b.
1/9/98

VMT, VOC, CO, AND NOX INVENTORY AND FORECAST BY COUNTY BY VEHICLE TYPE
Philadelphia 5 County Area

1999 Control Strategy

County		VMT Miles	VMT Pct.	Speed (mph)	VOC Kilograms	VOC Pct.	CO Kilograms	CO Pct.	NOx Kilograms	NOx Pct.
Philadelphia	LDGV	15,136,525	87.2%		19,632	122.0%	128,875	85.2%	18,540	77.0%
	LDGT1	620,679	3.6%		800	5.0%	6,406	4.2%	1,035	4.3%
	LDGT2	437,089	2.5%		600	3.7%	4,865	3.2%	787	3.3%
	HDGV	84,353	0.5%		300	1.9%	2,830	1.9%	451	1.9%
	LDDV	651,183	3.8%		422	2.6%	1,077	0.7%	1,017	4.2%
	LDDT	57,983	0.3%		49	0.3%	97	0.1%	114	0.5%
	HDDV	154,830	0.9%		277	1.7%	1,526	1.0%	1,960	8.1%
	MC	209,722	1.2%		1,350	8.4%	5,544	3.7%	185	0.8%
	Total	17,352,364		19.9	23,430		151,219		24,089	
				total tons:	25.83		166.69		26.55	

	kg	ton	pct.
Exhaust	13,861	15.28	59.2%
Evaporative	2,573	2.84	11.0%
Refueling	0	0.00	0.0%
Running Loss	5,610	6.18	23.9%
Resting Loss	1,386	1.53	5.9%

Area Total

	LDGV	65,314,429	87.4%		65,769	82.2%	434,084	84.2%	75,664	76.6%
	LDGT1	2,631,030	3.5%		2,788	3.5%	22,288	4.3%	4,141	4.2%
	LDGT2	1,842,131	2.5%		2,173	2.7%	17,712	3.4%	3,293	3.3%
	HDGV	355,671	0.5%		1,071	1.3%	10,226	2.0%	1,917	1.9%
	LDDV	2,809,159	3.8%		1,428	1.8%	3,765	0.7%	4,066	4.1%
	LDDT	241,719	0.3%		164	0.2%	341	0.1%	441	0.4%
	HDDV	648,004	0.9%		1,056	1.3%	5,808	1.1%	8,319	8.4%
	MC	907,560	1.2%		5,607	7.0%	21,132	4.1%	899	0.9%
	Total:	74,749,703		23.9	80,056		515,356		98,739	
				Total Tons:	88.24		568.08		108.84	

	kg	tons	pct.
Exhaust	47,166	51.99	58.9%
Evaporative	10,282	11.33	12.8%
Refueling	0	0.00	0.0%
Running Loss	17,136	18.89	21.4%
Resting Loss	5,473	6.03	6.8%

Phase II RFG NOx Credit calculated using MOBILE5b.

Philadelphia 5-County Area MOBILE Input Files
2005 Uncontrolled Baseline Scenario

```
1       PROMPT [LITE1 VERSION 3.18 ] [M5INPUT ]
Bucks County, 2005 Uncontrolled Baseline
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
5    newflg
21       imflag
1    alhflg
1    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.039 .073 .076 .084 .090 .098 .098 .092 .077 .064     * Distribution by Vehicle
.039 .029 .023 .021 .024 .018 .013 .008 .004 .004     * County:Bucks
.004 .004 .003 .003 .012                              * Filename:     buckage.da
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.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.037 .051 .041 .047 .047 .038 .050 .078 .070 .045
.064 .433 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
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[A  91F 2T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.859.042.030.006.037.004.010.012
1  5 55.4 84.8 20.6 27.3 20.6  7
[A  91F 2T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.857.043.030.006.037.004.011.012
1  5 53.5 94.2 20.6 27.3 20.6  7
[A  91F 2T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
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[A  91F 2T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.844.050.035.007.036.004.012.012
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[A  91F 2T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
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1  5 47.9 84.8 20.6 27.3 20.6  7
[A  91F 6T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
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[A  91F 6T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
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1  5 47.5 90.8 20.6 27.3 20.6  7
[A  91F 6T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
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1  5 49.3 80.0 20.6 27.3 20.6  7
[A  91F 6T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
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[A  91F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
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[A  91F 7T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
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[A  91F 7T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
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1  5 37.4 90.8 20.6 27.3 20.6  7
[A  91F 7T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 39.0 80.0 20.6 27.3 20.6  7
[A  91F 7T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
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[A  91F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
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1  5 35.9 84.8 20.6 27.3 20.6  7
[A  91F 8T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
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1  5 30.7 94.2 20.6 27.3 20.6  7
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.853.045.032.006.037.004.011.012
1  5 38.3 80.0 20.6 27.3 20.6  7
[A  91F 8T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.006.013
1  5 25.7 87.7 20.6 27.3 20.6  7
[A  91F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 26.8 84.8 20.6 27.3 20.6  7
[A  91F 9T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.854.045.031.006.037.004.011.012
1  5 22.5 94.2 20.6 27.3 20.6  7
[A  91F 9T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.889.028.020.004.038.002.007.012
1  5 26.1 90.8 20.6 27.3 20.6  7
[A  91F 9T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
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.843.050.035.007.036.005.012.012
1  5 28.4 80.0 20.6 27.3 20.6  7
[A  91F 9T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.884.030.021.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A  92F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A  92F12T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.908.019.013.002.039.002.005.012
1  5 64.9 94.2 20.6 27.3 20.6  7
[A  92F12T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.912.016.012.002.040.001.004.013
1  5 65.0 90.8 20.6 27.3 20.6  7
[A  92F12T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.903.021.014.003.039.002.005.013
1  5 65.0 80.0 20.6 27.3 20.6  7
[A  92F12T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.872.036.026.005.037.003.009.012
1  5 55.8 87.7 20.6 27.3 20.6  7
[A  92F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 56.0 84.8 20.6 27.3 20.6  7
[A  92F14T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.883.031.021.004.038.003.008.012
1  5 53.6 94.2 20.6 27.3 20.6  7
[A  92F14T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.908.019.013.002.039.002.004.013
1  5 55.6 90.8 20.6 27.3 20.6  7
[A  92F14T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.877.034.023.005.038.003.008.012
1  5 58.5 80.0 20.6 27.3 20.6  7
[A  92F14T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.888.028.020.004.038.002.007.013
1  5 30.9 87.7 20.6 27.3 20.6  7
[A  92F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.911.017.012.002.039.002.004.013
1  5 31.0 84.8 20.6 27.3 20.6  7
[A  92F16T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.905.020.014.003.039.002.005.012
1  5 30.4 94.2 20.6 27.3 20.6  7
[A  92F16T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.922.011.008.002.040.001.003.013
1  5 30.9 90.8 20.6 27.3 20.6  7
[A  92F16T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.903.021.015.003.039.002.005.012
1  5 31.3 80.0 20.6 27.3 20.6  7
[A  92F16T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.917.014.010.002.040.001.003.013
1  5 25.9 87.7 20.6 27.3 20.6  7
[A  92F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 26.0 84.8 20.6 27.3 20.6  7
[A  92F17T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 25.4 94.2 20.6 27.3 20.6  7
[A  92F17T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
```

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.903.021.014.003.039.002.005.013
1  5 25.9 90.8 20.6 27.3 20.6  7
[A  92F17T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.867.039.027.005.037.003.010.012
1  5 26.4 80.0 20.6 27.3 20.6  7
[A  92F17T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.894.026.018.003.038.002.006.013
1  5 23.6 87.7 20.6 27.3 20.6  7
[A  92F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.898.023.016.003.039.002.006.013
1  5 23.6 84.8 20.6 27.3 20.6  7
[A  92F19T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.891.027.019.004.038.002.007.012
1  5 23.5 94.2 20.6 27.3 20.6  7
[A  92F19T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.915.015.011.002.039.001.004.013
1  5 23.6 90.8 20.6 27.3 20.6  7
[A  92F19T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 23.6 80.0 20.6 27.3 20.6  7
[A  92F19T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 60.5 87.7 20.6 27.3 20.6  7
[A  93F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.839.052.036.007.036.005.013.012
1  5 62.4 84.8 20.6 27.3 20.6  7
[A  93F11T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.858.043.030.006.037.004.010.012
1  5 55.0 94.2 20.6 27.3 20.6  7
[A  93F11T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 60.6 90.8 20.6 27.3 20.6  7
[A  93F11T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.853.046.032.006.036.004.011.012
1  5 64.7 80.0 20.6 27.3 20.6  7
[A  93F11T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.779.082.057.011.033.007.020.011
1  5 63.7 87.7 20.6 27.3 20.6  7
[A  93F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 63.8 84.8 20.6 27.3 20.6  7
[A  93F12T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.884.030.021.004.038.003.008.012
1  5 63.2 94.2 20.6 27.3 20.6  7
[A  93F12T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.892.027.019.003.039.002.006.012
1  5 63.7 90.8 20.6 27.3 20.6  7
[A  93F12T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.878.033.023.005.038.003.008.012
1  5 64.0 80.0 20.6 27.3 20.6  7
[A  93F12T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.827.058.041.008.036.005.014.011
1  5 24.3 87.7 20.6 27.3 20.6  7
[A  93F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 24.8 84.8 20.6 27.3 20.6  7
[A  93F14T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
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.883.031.021.004.038.003.008.012
1  5 20.9 94.2 20.6 27.3 20.6  7
[A  93F14T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.909.018.013.002.039.002.004.013
1  5 24.1 90.8 20.6 27.3 20.6  7
[A  93F14T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.878.033.023.005.038.003.008.012
1  5 29.3 80.0 20.6 27.3 20.6  7
[A  93F14T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.888.028.020.004.038.002.007.013
1  5 19.0 87.7 20.6 27.3 20.6  7
[A  93F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.896.025.017.003.039.002.006.012
1  5 19.4 84.8 20.6 27.3 20.6  7
[A  93F16T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 17.1 94.2 20.6 27.3 20.6  7
[A  93F16T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.913.017.011.002.039.001.004.013
1  5 19.0 90.8 20.6 27.3 20.6  7
[A  93F16T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.883.031.021.004.038.003.008.012
1  5 21.2 80.0 20.6 27.3 20.6  7
[A  93F16T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5  7.3 87.7 20.6 27.3 20.6  7
[A  93F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5  8.6 84.8 20.6 27.3 20.6  7
[A  93F17T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
..879.032.023.005.038.003.008.012
1  5  4.4 94.2 20.6 27.3 20.6  7
[A  93F17T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.908.019.013.002.039.002.004.013
1  5  7.7 90.8 20.6 27.3 20.6  7
[A  93F17T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.875.034.024.005.038.003.009.012
1  5 13.6 80.0 20.6 27.3 20.6  7
[A  93F17T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.899.023.016.003.038.002.006.013
1  5  7.6 87.7 20.6 27.3 20.6  7
[A  93F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5  8.6 84.8 20.6 27.3 20.6  7
[A  93F19T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.903.021.015.003.039.002.005.012
1  5  5.3 94.2 20.6 27.3 20.6  7
[A  93F19T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.920.012.009.002.040.001.003.013
1  5  7.9 90.8 20.6 27.3 20.6  7
[A  93F19T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 10.9 80.0 20.6 27.3 20.6  7
[A  93F19T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.916.015.010.002.039.001.004.013
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1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Chester County, 2005 Uncontrolled Baseline
1     tamflg
1     spdflg
2     vmflag
3     mymrfg
5     newflg
21        imflag
1     alhflg
1     atpflg
5     rlflag
1     locflg -- Must be 1
1     temflg
3     outfmt -- Must be 3; Overridden by PPAQ1
4     prtflg
1     idlflg
3     nmhflg
3     hcflag
.051 .082 .085 .092 .095 .103 .099 .091 .070 .058      * Distribution by Vehicle
.034 .025 .020 .018 .018 .013 .009 .006 .004 .003      * County:Chester
.004 .003 .003 .003 .011                               * Filename:     chesage.da
.038 .062 .063 .068 .087 .100 .095 .103 .068 .058
.040 .027 .026 .024 .037 .030 .021 .011 .007 .007
.005 .006 .004 .004 .009
.044 .059 .057 .080 .106 .107 .084 .095 .069 .050
.030 .024 .021 .022 .037 .031 .021 .012 .009 .009
.010 .008 .005 .003 .007
.024 .039 .044 .062 .086 .087 .081 .083 .065 .044
.035 .031 .032 .032 .045 .034 .029 .017 .021 .021
.025 .017 .013 .013 .020
.051 .082 .085 .092 .095 .103 .099 .091 .070 .058
.034 .025 .020 .018 .018 .013 .009 .006 .004 .003
.004 .003 .003 .003 .011
.038 .062 .063 .068 .087 .100 .095 .103 .068 .058
.040 .027 .026 .024 .037 .030 .021 .011 .007 .007
.005 .006 .004 .004 .009
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.030 .044 .040 .043 .042 .043 .043 .070 .068 .061
.065 .451 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 64.9 87.7 20.6 27.3 20.6  7
[A 151F 1T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.790.076.053.010.034.007.019.011
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 151F 1T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.794.074.052.010.034.007.018.011
1  5 64.8 94.2 20.6 27.3 20.6  7
[A 151F 1T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.824.059.041.008.036.005.015.012
1  5 64.9 90.8 20.6 27.3 20.6  7
[A 151F 1T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.811.066.046.009.035.006.016.011
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 151F 1T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
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.733.104.073.014.031.009.026.010
1  5 52.7 87.7 20.6 27.3 20.6  7
[A 151F 2T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.844.050.035.007.036.004.012.012
1  5 52.4 84.8 20.6 27.3 20.6  7
[A 151F 2T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.843.051.035.007.036.004.012.012
1  5 49.4 94.2 20.6 27.3 20.6  7
[A 151F 2T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.879.033.023.004.038.003.008.012
1  5 52.3 90.8 20.6 27.3 20.6  7
[A 151F 2T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.826.058.041.008.036.005.015.011
1  5 57.9 80.0 20.6 27.3 20.6  7
[A 151F 2T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.845.049.034.007.036.005.012.012
1  5 46.6 87.7 20.6 27.3 20.6  7
[A 151F 6T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.871.036.026.005.038.003.009.012
1  5 46.9 84.8 20.6 27.3 20.6  7
[A 151F 6T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.863.041.028.006.037.003.010.012
1  5 44.7 94.2 20.6 27.3 20.6  7
[A 151F 6T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5 46.4 90.8 20.6 27.3 20.6  7
[A 151F 6T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.855.044.031.006.037.004.011.012
1  5 49.0 80.0 20.6 27.3 20.6  7
[A 151F 6T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 37.7 87.7 20.6 27.3 20.6  7
[A 151F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 38.0 84.8 20.6 27.3 20.6  7
[A 151F 7T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.873.035.025.005.038.003.009.012
1  5 36.3 94.2 20.6 27.3 20.6  7
[A 151F 7T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.900.022.016.003.039.002.005.013
1  5 37.7 90.8 20.6 27.3 20.6  7
[A 151F 7T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 39.1 80.0 20.6 27.3 20.6  7
[A 151F 7T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.896.024.017.003.039.002.006.013
1  5 39.0 87.7 20.6 27.3 20.6  7
[A 151F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.859.042.030.006.037.004.010.012
1  5 39.1 84.8 20.6 27.3 20.6  7
[A 151F 8T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.849.048.033.006.037.004.011.012
1  5 38.4 94.2 20.6 27.3 20.6  7
[A 151F 8T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5 39.0 90.8 20.6 27.3 20.6  7
[A 151F 8T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
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.837.053.037.007.036.005.013.012
1  5 39.5 80.0 20.6 27.3 20.6  7
[A 151F 8T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 27.9 87.7 20.6 27.3 20.6  7
[A 151F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.857.043.030.006.037.004.011.012
1  5 28.1 84.8 20.6 27.3 20.6  7
[A 151F 9T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.846.048.034.007.037.004.012.012
1  5 27.0 94.2 20.6 27.3 20.6  7
[A 151F 9T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 28.0 90.8 20.6 27.3 20.6  7
[A 151F 9T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.836.054.037.007.036.005.013.012
1  5 28.7 80.0 20.6 27.3 20.6  7
[A 151F 9T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A 152F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.868.038.027.005.038.003.009.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 152F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 64.9 94.2 20.6 27.3 20.6  7
[A 152F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.007.012
1  5 65.0 90.8 20.6 27.3 20.6  7
[A 152F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.877.034.024.004.038.003.008.012
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 152F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.822.060.042.008.036.005.015.012
1  5 57.6 87.7 20.6 27.3 20.6  7
[A 152F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.839.052.036.007.036.005.013.012
1  5 57.7 84.8 20.6 27.3 20.6  7
[A 152F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.833.055.039.008.036.005.013.011
1  5 56.3 94.2 20.6 27.3 20.6  7
[A 152F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.879.033.024.004.037.003.008.012
1  5 57.5 90.8 20.6 27.3 20.6  7
[A 152F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.823.060.042.008.036.005.015.011
1  5 59.2 80.0 20.6 27.3 20.6  7
[A 152F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.841.051.036.007.036.005.012.012
1  5 30.4 87.7 20.6 27.3 20.6  7
[A 152F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.832.055.039.007.036.005.014.012
1  5 30.6 84.8 20.6 27.3 20.6  7
[A 152F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.812.066.046.007.036.007.016.010
1  5 29.6 94.2 20.6 27.3 20.6  7
[A 152F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
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.872.037.026.005.037.002.009.012
1  5 30.4 90.8 20.6 27.3 20.6  7
[A 152F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.806.067.048.009.035.006.017.012
1  5 31.1 80.0 20.6 27.3 20.6  7
[A 152F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.853.046.031.008.036.003.010.013
1  5 64.9 87.7 20.6 27.3 20.6  7
[A 153F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.794.074.052.010.034.007.018.011
1  5 64.9 84.8 20.6 27.3 20.6  7
[A 153F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.822.060.042.008.036.006.015.011
1  5 64.7 94.2 20.6 27.3 20.6  7
[A 153F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.839.052.037.007.036.005.013.011
1  5 64.9 90.8 20.6 27.3 20.6  7
[A 153F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.811.066.046.009.035.006.016.011
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 153F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.709.116.081.016.029.010.029.010
1  5 57.5 87.7 20.6 27.3 20.6  7
[A 153F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.877.034.024.004.038.003.008.012
1  5 59.8 84.8 20.6 27.3 20.6  7
[A 153F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.889.028.019.004.038.003.007.012
1  5 50.8 94.2 20.6 27.3 20.6  7
[A 153F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 57.4 90.8 20.6 27.3 20.6  7
[A 153F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 63.6 80.0 20.6 27.3 20.6  7
[A 153F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.837.053.037.007.036.005.013.012
1  5 25.9 87.7 20.6 27.3 20.6  7
[A 153F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 26.3 84.8 20.6 27.3 20.6  7
[A 153F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.883.031.022.004.038.003.007.012
1  5 23.1 94.2 20.6 27.3 20.6  7
[A 153F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.909.018.013.002.039.002.004.013
1  5 25.8 90.8 20.6 27.3 20.6  7
[A 153F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.877.034.023.005.038.003.008.012
1  5 29.6 80.0 20.6 27.3 20.6  7
[A 153F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.887.028.020.004.038.003.007.013
1  5 19.0 87.7 20.6 27.3 20.6  7
[A 153F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.900.022.016.003.039.002.006.012
1  5 19.6 84.8 20.6 27.3 20.6  7
[A 153F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
```

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.895.026.018.003.038.002.006.012
1  5 16.6 94.2 20.6 27.3 20.6  7
[A 153F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.915.015.011.002.039.001.004.013
1  5 19.2 90.8 20.6 27.3 20.6  7
[A 153F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.007.012
1  5 21.3 80.0 20.6 27.3 20.6  7
[A 153F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.908.018.013.003.039.002.004.013
1  5 12.7 87.7 20.6 27.3 20.6  7
[A 153F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.898.024.016.003.039.002.006.012
1  5 13.8 84.8 20.6 27.3 20.6  7
[A 153F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.889.028.019.004.038.003.007.012
1  5 10.1 94.2 20.6 27.3 20.6  7
[A 153F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 13.0 90.8 20.6 27.3 20.6  7
[A 153F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 15.5 80.0 20.6 27.3 20.6  7
[A 153F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5  8.3 87.7 20.6 27.3 20.6  7
[A 153F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.894.026.018.004.038.002.006.012
1  5  9.4 84.8 20.6 27.3 20.6  7
[A 153F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5  5.9 94.2 20.6 27.3 20.6  7
[A 153F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.913.017.011.002.039.001.004.013
1  5  8.7 90.8 20.6 27.3 20.6  7
[A 153F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 11.0 80.0 20.6 27.3 20.6  7
[A 153F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.902.021.015.003.039.002.005.013
```

```
1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Delaware County, 2005 Uncontrolled Baseline
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
5    newflg
21       imflag
1    alhflg
1    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.065 .093 .084 .083 .087 .087 .089 .084 .071 .060     * Distribution by Vehicle
.038 .027 .023 .021 .023 .017 .012 .008 .004 .004     * County:Delaware
.004 .003 .002 .002 .008                              * Filename:     delaage.da
.043 .061 .069 .068 .083 .087 .091 .103 .068 .060
.040 .030 .027 .024 .040 .029 .022 .014 .008 .008
.007 .005 .004 .003 .007
.053 .076 .068 .092 .106 .093 .073 .089 .063 .052
.033 .024 .018 .021 .039 .027 .018 .011 .008 .008
.011 .005 .003 .003 .006
.026 .042 .043 .061 .084 .094 .078 .081 .069 .048
.032 .028 .027 .036 .047 .035 .026 .017 .023 .021
.024 .014 .012 .011 .018
.065 .093 .084 .083 .087 .087 .089 .084 .071 .060
.038 .027 .023 .021 .023 .017 .012 .008 .004 .004
.004 .003 .002 .002 .008
.043 .061 .069 .068 .083 .087 .091 .103 .068 .060
.040 .030 .027 .024 .040 .029 .022 .014 .008 .008
.007 .005 .004 .003 .007
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.034 .056 .043 .035 .045 .042 .054 .078 .066 .052
.067 .428 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 54.4 87.7 20.6 27.3 20.6  7
[A 231F 2T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.849.047.033.006.037.004.012.012
1  5 54.1 84.8 20.6 27.3 20.6  7
[A 231F 2T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.847.048.033.007.037.004.012.012
1  5 51.6 94.2 20.6 27.3 20.6  7
[A 231F 2T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.883.031.022.004.038.003.007.012
1  5 54.1 90.8 20.6 27.3 20.6  7
[A 231F 2T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.832.055.039.007.036.005.014.012
1  5 58.4 80.0 20.6 27.3 20.6  7
[A 231F 2T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
```

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.852.046.032.006.037.004.011.012
1  5 43.9 87.7 20.6 27.3 20.6  7
[A 231F 6T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.926.010.007.001.040.001.002.013
1  5 44.4 84.8 20.6 27.3 20.6  7
[A 231F 6T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.924.011.007.001.040.001.003.013
1  5 40.8 94.2 20.6 27.3 20.6  7
[A 231F 6T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.931.007.005.001.040.001.002.013
1  5 43.6 90.8 20.6 27.3 20.6  7
[A 231F 6T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.920.012.009.002.040.001.003.013
1  5 48.1 80.0 20.6 27.3 20.6  7
[A 231F 6T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.929.008.006.001.040.001.002.013
1  5 39.1 87.7 20.6 27.3 20.6  7
[A 231F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.872.036.025.005.038.003.009.012
1  5 39.2 84.8 20.6 27.3 20.6  7
[A 231F 7T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.865.040.028.005.037.003.010.012
1  5 38.6 94.2 20.6 27.3 20.6  7
[A 231F 7T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5 39.1 90.8 20.6 27.3 20.6  7
[A 231F 7T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.854.045.031.006.037.004.011.012
1  5 39.7 80.0 20.6 27.3 20.6  7
[A 231F 7T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.006.013
1  5 39.3 87.7 20.6 27.3 20.6  7
[A 231F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.838.052.037.007.036.005.013.012
1  5 39.4 84.8 20.6 27.3 20.6  7
[A 231F 8T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.824.059.041.008.036.005.015.012
1  5 39.1 94.2 20.6 27.3 20.6  7
[A 231F 8T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 39.3 90.8 20.6 27.3 20.6  7
[A 231F 8T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.811.066.046.009.035.006.016.011
1  5 39.6 80.0 20.6 27.3 20.6  7
[A 231F 8T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.867.039.027.005.037.004.009.012
1  5 28.6 87.7 20.6 27.3 20.6  7
[A 231F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.876.034.024.005.038.003.008.012
1  5 28.6 84.8 20.6 27.3 20.6  7
[A 231F 9T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.868.039.027.005.037.003.009.012
1  5 28.2 94.2 20.6 27.3 20.6  7
[A 231F 9T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 28.6 90.8 20.6 27.3 20.6  7
[A 231F 9T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
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.857.043.030.006.037.004.011.012
1  5 28.9 80.0 20.6 27.3 20.6  7
[A 231F 9T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.892.026.018.004.038.003.006.013
1  5 39.3 87.7 20.6 27.3 20.6  7
[A 233F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.825.058.041.008.036.005.015.012
1  5 45.8 84.8 20.6 27.3 20.6  7
[A 233F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.848.048.033.007.036.004.012.012
1  5 26.1 94.2 20.6 27.3 20.6  7
[A 233F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.859.042.029.006.037.004.011.012
1  5 39.1 90.8 20.6 27.3 20.6  7
[A 233F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.838.052.037.007.036.005.013.012
1  5 62.4 80.0 20.6 27.3 20.6  7
[A 233F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.757.092.064.013.033.008.023.010
1  5 59.2 87.7 20.6 27.3 20.6  7
[A 233F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.896.024.017.003.039.002.006.013
1  5 61.5 84.8 20.6 27.3 20.6  7
[A 233F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.905.020.013.003.039.002.005.013
1  5 53.1 94.2 20.6 27.3 20.6  7
[A 233F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.912.017.012.002.039.001.004.013
1  5 59.5 90.8 20.6 27.3 20.6  7
[A 233F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.902.021.015.003.039.002.005.013
1  5 63.8 80.0 20.6 27.3 20.6  7
[A 233F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 25.7 87.7 20.6 27.3 20.6  7
[A 233F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.891.027.019.004.038.002.007.012
1  5 26.2 84.8 20.6 27.3 20.6  7
[A 233F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 22.5 94.2 20.6 27.3 20.6  7
[A 233F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.910.018.012.002.039.002.004.013
1  5 25.6 90.8 20.6 27.3 20.6  7
[A 233F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 29.6 80.0 20.6 27.3 20.6  7
[A 233F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.002.007.013
1  5 19.9 87.7 20.6 27.3 20.6  7
[A 233F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 20.4 84.8 20.6 27.3 20.6  7
[A 233F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 18.1 94.2 20.6 27.3 20.6  7
[A 233F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
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.914.016.011.002.039.001.004.013
1  5 20.0 90.8 20.6 27.3 20.6  7
[A 233F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 21.7 80.0 20.6 27.3 20.6  7
[A 233F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 12.3 87.7 20.6 27.3 20.6  7
[A 233F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 13.1 84.8 20.6 27.3 20.6  7
[A 233F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5  9.8 94.2 20.6 27.3 20.6  7
[A 233F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 12.6 90.8 20.6 27.3 20.6  7
[A 233F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5 15.3 80.0 20.6 27.3 20.6  7
[A 233F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.905.019.014.003.039.002.005.013
1  5  9.0 87.7 20.6 27.3 20.6  7
[A 233F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5  9.8 84.8 20.6 27.3 20.6  7
[A 233F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5  7.0 94.2 20.6 27.3 20.6  7
[A 233F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.912.017.012.002.039.001.004.013
1  5  9.2 90.8 20.6 27.3 20.6  7
[A 233F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 11.2 80.0 20.6 27.3 20.6  7
[A 233F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.903.021.014.003.039.002.005.013
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1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Montgomery County, 2005 Uncontrolled Baseline
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
5    newflg
21       imflag
1    alhflg
1    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.052 .087 .086 .093 .095 .095 .097 .088 .071 .058      * Distribution by Vehicle
.035 .025 .020 .018 .020 .015 .010 .006 .004 .003      * County:Montgomery
.004 .003 .002 .003 .010                                * Filename:     montage.da
.041 .059 .059 .071 .089 .090 .091 .101 .072 .059
.041 .030 .026 .024 .038 .030 .022 .014 .008 .008
.006 .006 .004 .004 .008
.046 .058 .064 .085 .115 .097 .080 .095 .072 .050
.032 .024 .021 .023 .038 .029 .020 .010 .009 .008
.009 .006 .004 .003 .004
.025 .038 .049 .066 .089 .098 .087 .089 .064 .053
.031 .030 .029 .034 .041 .029 .026 .015 .019 .018
.020 .015 .010 .009 .017
.052 .087 .086 .093 .095 .095 .097 .088 .071 .058
.035 .025 .020 .018 .020 .015 .010 .006 .004 .003
.004 .003 .002 .003 .010
.041 .059 .059 .071 .089 .090 .091 .101 .072 .059
.041 .030 .026 .024 .038 .030 .022 .014 .008 .008
.006 .006 .004 .004 .008
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.039 .050 .038 .040 .042 .036 .050 .075 .074 .052
.067 .436 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 54.0 87.7 20.6 27.3 20.6  7
[A 461F 2T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.866.039.027.005.037.004.010.012
1  5 53.7 84.8 20.6 27.3 20.6  7
[A 461F 2T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.865.039.028.005.037.004.010.012
1  5 51.1 94.2 20.6 27.3 20.6  7
[A 461F 2T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.891.026.019.004.038.003.006.013
1  5 53.6 90.8 20.6 27.3 20.6  7
[A 461F 2T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.853.045.032.006.037.004.011.012
1  5 58.3 80.0 20.6 27.3 20.6  7
[A 461F 2T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
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.867.038.027.005.037.004.010.012
1  5 47.0 87.7 20.6 27.3 20.6  7
[A 461F 6T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 47.2 84.8 20.6 27.3 20.6  7
[A 461F 6T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.880.032.023.004.038.003.008.012
1  5 45.2 94.2 20.6 27.3 20.6  7
[A 461F 6T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 46.8 90.8 20.6 27.3 20.6  7
[A 461F 6T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.873.036.025.005.037.003.009.012
1  5 49.1 80.0 20.6 27.3 20.6  7
[A 461F 6T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.896.024.017.003.039.002.006.013
1  5 37.2 87.7 20.6 27.3 20.6  7
[A 461F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 37.4 84.8 20.6 27.3 20.6  7
[A 461F 7T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.872.036.025.005.038.003.009.012
1  5 35.7 94.2 20.6 27.3 20.6  7
[A 461F 7T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.900.022.016.003.039.002.005.013
1  5 37.2 90.8 20.6 27.3 20.6  7
[A 461F 7T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 38.8 80.0 20.6 27.3 20.6  7
[A 461F 7T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.896.024.017.003.039.002.006.013
1  5 37.7 87.7 20.6 27.3 20.6  7
[A 461F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.852.046.032.006.037.004.011.012
1  5 38.3 84.8 20.6 27.3 20.6  7
[A 461F 8T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.839.052.036.007.036.005.013.012
1  5 35.8 94.2 20.6 27.3 20.6  7
[A 461F 8T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.880.032.023.004.038.003.008.012
1  5 37.8 90.8 20.6 27.3 20.6  7
[A 461F 8T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.826.058.041.008.036.005.014.012
1  5 39.1 80.0 20.6 27.3 20.6  7
[A 461F 8T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.874.035.024.005.038.003.009.012
1  5 28.7 87.7 20.6 27.3 20.6  7
[A 461F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.858.043.030.006.037.004.010.012
1  5 28.8 84.8 20.6 27.3 20.6  7
[A 461F 9T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.849.048.033.006.037.004.011.012
1  5 28.4 94.2 20.6 27.3 20.6  7
[A 461F 9T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 28.7 90.8 20.6 27.3 20.6  7
[A 461F 9T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
```

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.836.054.037.007.036.005.013.012
1  5 29.0 80.0 20.6 27.3 20.6  7
[A 461F 9T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A 462F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.871.037.026.005.037.003.009.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 462F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.007.013
1  5 65.0 94.2 20.6 27.3 20.6  7
[A 462F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.891.027.018.004.038.002.007.013
1  5 65.0 90.8 20.6 27.3 20.6  7
[A 462F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.877.033.023.005.038.003.008.013
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 462F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.823.059.041.008.036.006.015.012
1  5 57.8 87.7 20.6 27.3 20.6  7
[A 462F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.893.026.018.004.039.002.006.012
1  5 57.9 84.8 20.6 27.3 20.6  7
[A 462F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.890.028.019.004.038.002.007.012
1  5 56.5 94.2 20.6 27.3 20.6  7
[A 462F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.913.017.011.002.039.001.004.013
1  5 57.7 90.8 20.6 27.3 20.6  7
[A 462F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 59.2 80.0 20.6 27.3 20.6  7
[A 462F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.892.026.018.004.039.002.006.013
1  5 30.4 87.7 20.6 27.3 20.6  7
[A 462F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 30.6 84.8 20.6 27.3 20.6  7
[A 462F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.880.032.023.004.038.003.008.012
1  5 29.7 94.2 20.6 27.3 20.6  7
[A 462F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.909.018.013.002.039.002.004.013
1  5 30.4 90.8 20.6 27.3 20.6  7
[A 462F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.876.034.024.005.038.003.008.012
1  5 31.2 80.0 20.6 27.3 20.6  7
[A 462F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.898.023.016.003.039.002.006.013
1  5 25.7 87.7 20.6 27.3 20.6  7
[A 462F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 25.8 84.8 20.6 27.3 20.6  7
[A 462F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.889.028.020.004.038.002.007.012
1  5 25.1 94.2 20.6 27.3 20.6  7
[A 462F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
```

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.914.016.011.002.039.001.004.013
1  5 25.6 90.8 20.6 27.3 20.6  7
[A 462F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 26.3 80.0 20.6 27.3 20.6  7
[A 462F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 23.5 87.7 20.6 27.3 20.6  7
[A 462F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 23.5 84.8 20.6 27.3 20.6  7
[A 462F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.890.028.019.004.038.002.007.012
1  5 23.5 94.2 20.6 27.3 20.6  7
[A 462F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 23.5 90.8 20.6 27.3 20.6  7
[A 462F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5 23.6 80.0 20.6 27.3 20.6  7
[A 462F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 50.5 87.7 20.6 27.3 20.6  7
[A 463F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.830.056.039.008.036.005.014.012
1  5 55.5 84.8 20.6 27.3 20.6  7
[A 463F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.850.046.032.007.037.004.012.012
1  5 38.8 94.2 20.6 27.3 20.6  7
[A 463F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.863.040.028.005.038.004.010.012
1  5 50.4 90.8 20.6 27.3 20.6  7
[A 463F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.843.050.035.007.036.005.012.012
1  5 64.0 80.0 20.6 27.3 20.6  7
[A 463F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.766.088.062.012.032.008.022.010
1  5 55.6 87.7 20.6 27.3 20.6  7
[A 463F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.886.029.020.004.038.003.007.013
1  5 58.6 84.8 20.6 27.3 20.6  7
[A 463F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.897.023.017.003.039.002.006.013
1  5 47.3 94.2 20.6 27.3 20.6  7
[A 463F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.903.021.014.003.039.002.005.013
1  5 55.6 90.8 20.6 27.3 20.6  7
[A 463F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.894.025.018.003.039.002.006.013
1  5 63.3 80.0 20.6 27.3 20.6  7
[A 463F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.853.045.032.006.037.004.011.012
1  5 26.7 87.7 20.6 27.3 20.6  7
[A 463F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.901.022.015.003.039.002.005.013
1  5 27.0 84.8 20.6 27.3 20.6  7
[A 463F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
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.899.023.016.003.039.002.006.012
1  5 24.2 94.2 20.6 27.3 20.6  7
[A 463F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.917.014.010.002.040.001.003.013
1  5 26.6 90.8 20.6 27.3 20.6  7
[A 463F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.895.026.018.003.038.002.006.012
1  5 29.9 80.0 20.6 27.3 20.6  7
[A 463F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.901.022.015.003.039.002.005.013
1  5 19.0 87.7 20.6 27.3 20.6  7
[A 463F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 19.7 84.8 20.6 27.3 20.6  7
[A 463F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 16.7 94.2 20.6 27.3 20.6  7
[A 463F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 19.2 90.8 20.6 27.3 20.6  7
[A 463F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 21.3 80.0 20.6 27.3 20.6  7
[A 463F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 12.6 87.7 20.6 27.3 20.6  7
[A 463F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.895.026.018.003.038.002.006.012
1  5 13.3 84.8 20.6 27.3 20.6  7
[A 463F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.884.030.021.004.038.003.008.012
1  5 10.3 94.2 20.6 27.3 20.6  7
[A 463F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.912.017.012.002.039.001.004.013
1  5 12.7 90.8 20.6 27.3 20.6  7
[A 463F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 15.3 80.0 20.6 27.3 20.6  7
[A 463F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.902.021.015.003.039.002.005.013
1  5 10.0 87.7 20.6 27.3 20.6  7
[A 463F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.854.045.031.006.037.004.011.012
1  5 10.3 84.8 20.6 27.3 20.6  7
[A 463F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.840.052.036.007.036.005.013.011
1  5  8.5 94.2 20.6 27.3 20.6  7
[A 463F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.886.030.021.004.037.002.008.012
1  5 10.1 90.8 20.6 27.3 20.6  7
[A 463F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.834.055.039.007.036.005.013.011
1  5 11.6 80.0 20.6 27.3 20.6  7
[A 463F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.873.036.025.005.037.003.009.012
```

```
1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Philadelphia County, 2005 Uncontrolled Baseline
1     tamflg
1     spdflg
2     vmflag
3     mymrfg
5     newflg
21        imflag
1     alhflg
1     atpflg
5     rlflag
1     locflg -- Must be 1
1     temflg
3     outfmt -- Must be 3; Overridden by PPAQ1
4     prtflg
1     idlflg
3     nmhflg
3     hcflag
.037 .054 .056 .064 .070 .080 .085 .088 .081 .077      * Distribution by Vehicle
.053 .042 .038 .035 .038 .031 .023 .014 .007 .006      * County:Philadelphia
.005 .004 .003 .003 .006                               * Filename:     philage.da
.024 .039 .043 .051 .062 .070 .076 .092 .072 .066
.052 .040 .036 .039 .058 .046 .035 .023 .016 .015
.011 .008 .006 .007 .011
.027 .059 .052 .076 .076 .082 .081 .092 .069 .052
.037 .035 .032 .031 .046 .044 .024 .015 .012 .017
.014 .009 .005 .003 .007
.016 .036 .033 .041 .065 .074 .096 .076 .072 .048
.044 .042 .034 .038 .052 .026 .022 .025 .042 .029
.024 .016 .015 .020 .010
.037 .054 .056 .064 .070 .080 .085 .088 .081 .077
.053 .042 .038 .035 .038 .031 .023 .014 .007 .006
.005 .004 .003 .003 .006
.024 .039 .043 .051 .062 .070 .076 .092 .072 .066
.052 .040 .036 .039 .058 .046 .035 .023 .016 .015
.011 .008 .006 .007 .011
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.039 .051 .032 .039 .040 .042 .066 .076 .081 .055
.062 .420 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 46.7 87.7 20.6 27.3 20.6  7
[A 673F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.814.064.045.009.035.006.016.011
1  5 52.2 84.8 20.6 27.3 20.6  7
[A 673F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.837.053.037.007.036.005.013.012
1  5 34.0 94.2 20.6 27.3 20.6  7
[A 673F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.851.046.032.006.037.004.012.012
1  5 46.6 90.8 20.6 27.3 20.6  7
[A 673F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.829.057.040.008.036.005.014.011
1  5 63.4 80.0 20.6 27.3 20.6  7
[A 673F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
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.738.101.071.014.032.009.025.010
1  5 58.5 87.7 20.6 27.3 20.6  7
[A 673F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.896.025.017.003.039.002.006.012
1  5 60.8 84.8 20.6 27.3 20.6  7
[A 673F12T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.903.020.015.003.039.002.005.013
1  5 52.3 94.2 20.6 27.3 20.6  7
[A 673F12T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.909.018.013.002.039.002.004.013
1  5 58.6 90.8 20.6 27.3 20.6  7
[A 673F12T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.901.022.015.003.039.002.006.012
1  5 63.7 80.0 20.6 27.3 20.6  7
[A 673F12T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.865.039.028.005.037.004.010.012
1  5 20.2 87.7 20.6 27.3 20.6  7
[A 673F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.890.028.019.004.038.002.007.012
1  5 21.3 84.8 20.6 27.3 20.6  7
[A 673F14T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 15.2 94.2 20.6 27.3 20.6  7
[A 673F14T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.910.018.012.002.039.002.004.013
1  5 20.4 90.8 20.6 27.3 20.6  7
[A 673F14T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.880.032.023.004.038.003.008.012
1  5 28.9 80.0 20.6 27.3 20.6  7
[A 673F14T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.002.007.013
1  5 13.9 87.7 20.6 27.3 20.6  7
[A 673F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 14.6 84.8 20.6 27.3 20.6  7
[A 673F16T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.891.026.019.004.038.003.007.012
1  5 11.0 94.2 20.6 27.3 20.6  7
[A 673F16T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.916.015.010.002.039.001.004.013
1  5 13.7 90.8 20.6 27.3 20.6  7
[A 673F16T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 18.9 80.0 20.6 27.3 20.6  7
[A 673F16T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.907.018.013.003.039.002.005.013
1  5 14.3 87.7 20.6 27.3 20.6  7
[A 673F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 14.8 84.8 20.6 27.3 20.6  7
[A 673F17T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.007.012
1  5 12.7 94.2 20.6 27.3 20.6  7
[A 673F17T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.916.015.010.002.039.001.004.013
1  5 14.4 90.8 20.6 27.3 20.6  7
[A 673F17T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
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.888.028.020.004.038.003.007.012
1  5 16.1 80.0 20.6 27.3 20.6  7
[A 673F17T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.907.018.013.003.039.002.005.013
1  5 10.0 87.7 20.6 27.3 20.6  7
[A 673F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.895.025.018.004.038.002.006.012
1  5 10.3 84.8 20.6 27.3 20.6  7
[A 673F19T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5  9.0 94.2 20.6 27.3 20.6  7
[A 673F19T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.912.016.012.002.039.002.004.013
1  5 10.1 90.8 20.6 27.3 20.6  7
[A 673F19T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 11.2 80.0 20.6 27.3 20.6  7
[A 673F19T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.903.021.014.003.039.002.005.013
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Philadelphia 5-County Area MOBILE Input Files
2005 Adjusted Baseline Scenario

```
1       PROMPT [LITE1 VERSION 3.18 ] [M5INPUT ]
Bucks County, 1990 Adjusted to 2005
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
5    newflg
21       imflag
1    alhflg
1    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.039 .073 .076 .084 .090 .098 .098 .092 .077 .064     * Distribution by Vehicle
.039 .029 .023 .021 .024 .018 .013 .008 .004 .004     * County:Bucks
.004 .004 .003 .003 .012                              * Filename:     buckage.da
.033 .052 .056 .064 .086 .094 .092 .104 .074 .060
.044 .031 .028 .026 .041 .032 .024 .014 .008 .009
.006 .007 .005 .004 .008
.037 .059 .048 .075 .104 .100 .081 .093 .073 .056
.032 .023 .023 .024 .039 .037 .023 .014 .013 .011
.011 .007 .006 .003 .007
.024 .036 .036 .062 .086 .088 .075 .083 .068 .050
.030 .029 .028 .035 .045 .036 .027 .020 .023 .023
.027 .019 .012 .013 .024
.039 .073 .076 .084 .090 .098 .098 .092 .077 .064
.039 .029 .023 .021 .024 .018 .013 .008 .004 .004
.004 .004 .003 .003 .012
.033 .052 .056 .064 .086 .094 .092 .104 .074 .060
.044 .031 .028 .026 .041 .032 .024 .014 .008 .009
.006 .007 .005 .004 .008
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.037 .051 .041 .047 .047 .038 .050 .078 .070 .045
.064 .433 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 57.0 87.7 20.6 27.3 20.6  7
[A  91F 2T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.859.042.030.006.037.004.010.012
1  5 56.9 84.8 20.6 27.3 20.6  7
[A  91F 2T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.857.043.030.006.037.004.011.012
1  5 55.5 94.2 20.6 27.3 20.6  7
[A  91F 2T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 56.9 90.8 20.6 27.3 20.6  7
[A  91F 2T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.844.050.035.007.036.004.012.012
1  5 59.2 80.0 20.6 27.3 20.6  7
[A  91F 2T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.860.042.029.006.037.004.010.012
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1  5 48.4 87.7 20.6 27.3 20.6  7
[A  91F 6T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.872.036.025.005.038.003.009.012
1  5 48.6 84.8 20.6 27.3 20.6  7
[A  91F 6T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.864.040.028.006.037.003.010.012
1  5 47.5 94.2 20.6 27.3 20.6  7
[A  91F 6T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 48.3 90.8 20.6 27.3 20.6  7
[A  91F 6T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.857.043.030.006.037.004.011.012
1  5 49.5 80.0 20.6 27.3 20.6  7
[A  91F 6T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.885.029.021.004.038.003.007.013
1  5 38.4 87.7 20.6 27.3 20.6  7
[A  91F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 38.6 84.8 20.6 27.3 20.6  7
[A  91F 7T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.873.035.025.005.038.003.009.012
1  5 37.3 94.2 20.6 27.3 20.6  7
[A  91F 7T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.901.022.015.003.039.002.005.013
1  5 38.4 90.8 20.6 27.3 20.6  7
[A  91F 7T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 39.4 80.0 20.6 27.3 20.6  7
[A  91F 7T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.898.023.017.003.038.002.006.013
1  5 37.1 87.7 20.6 27.3 20.6  7
[A  91F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.872.036.025.005.038.003.009.012
1  5 37.7 84.8 20.6 27.3 20.6  7
[A  91F 8T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 34.9 94.2 20.6 27.3 20.6  7
[A  91F 8T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5 37.2 90.8 20.6 27.3 20.6  7
[A  91F 8T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.853.045.032.006.037.004.011.012
1  5 38.9 80.0 20.6 27.3 20.6  7
[A  91F 8T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.006.013
1  5 27.5 87.7 20.6 27.3 20.6  7
[A  91F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 28.1 84.8 20.6 27.3 20.6  7
[A  91F 9T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.854.045.031.006.037.004.011.012
1  5 25.9 94.2 20.6 27.3 20.6  7
[A  91F 9T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.889.028.020.004.038.002.007.012
1  5 27.7 90.8 20.6 27.3 20.6  7
[A  91F 9T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.843.050.035.007.036.005.012.012
1  5 28.7 80.0 20.6 27.3 20.6  7
```

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[A  91F 9T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.884.030.021.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A  92F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A  92F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.907.019.013.003.040.001.005.012
1  5 65.0 94.2 20.6 27.3 20.6  7
[A  92F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.911.017.012.002.040.002.004.012
1  5 65.0 90.8 20.6 27.3 20.6  7
[A  92F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.904.021.014.003.039.002.005.012
1  5 65.0 80.0 20.6 27.3 20.6  7
[A  92F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.873.036.025.005.037.003.009.012
1  5 57.1 87.7 20.6 27.3 20.6  7
[A  92F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 57.3 84.8 20.6 27.3 20.6  7
[A  92F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.883.031.021.004.038.003.008.012
1  5 55.6 94.2 20.6 27.3 20.6  7
[A  92F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.908.019.013.002.039.002.004.013
1  5 57.0 90.8 20.6 27.3 20.6  7
[A  92F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.877.034.023.005.038.003.008.012
1  5 59.0 80.0 20.6 27.3 20.6  7
[A  92F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.888.028.020.004.038.002.007.013
1  5 31.1 87.7 20.6 27.3 20.6  7
[A  92F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.911.017.012.002.039.002.004.013
1  5 31.2 84.8 20.6 27.3 20.6  7
[A  92F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.905.020.014.003.039.002.005.012
1  5 30.8 94.2 20.6 27.3 20.6  7
[A  92F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.921.012.008.002.040.001.003.013
1  5 31.1 90.8 20.6 27.3 20.6  7
[A  92F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.903.021.015.003.039.002.005.012
1  5 31.4 80.0 20.6 27.3 20.6  7
[A  92F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.916.014.010.002.040.001.004.013
1  5 26.2 87.7 20.6 27.3 20.6  7
[A  92F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 26.2 84.8 20.6 27.3 20.6  7
[A  92F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 25.9 94.2 20.6 27.3 20.6  7
[A  92F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.902.021.015.003.039.002.005.013
1  5 26.2 90.8 20.6 27.3 20.6  7
[A  92F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
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.867.039.027.005.037.003.010.012
1  5 26.5 80.0 20.6 27.3 20.6  7
[A  92F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.894.026.018.003.038.002.006.013
1  5 23.6 87.7 20.6 27.3 20.6  7
[A  92F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 23.6 84.8 20.6 27.3 20.6  7
[A  92F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.891.027.019.004.038.002.007.012
1  5 23.6 94.2 20.6 27.3 20.6  7
[A  92F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.915.015.011.002.039.001.004.013
1  5 23.6 90.8 20.6 27.3 20.6  7
[A  92F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 23.6 80.0 20.6 27.3 20.6  7
[A  92F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.907.019.013.002.039.002.005.013
1  5 63.2 87.7 20.6 27.3 20.6  7
[A  93F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.839.052.036.007.036.005.013.012
1  5 63.9 84.8 20.6 27.3 20.6  7
[A  93F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.859.042.030.006.037.004.010.012
1  5 60.8 94.2 20.6 27.3 20.6  7
[A  93F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 63.1 90.8 20.6 27.3 20.6  7
[A  93F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.853.046.032.006.036.004.011.012
1  5 64.9 80.0 20.6 27.3 20.6  7
[A  93F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.779.082.057.011.033.007.020.011
1  5 63.9 87.7 20.6 27.3 20.6  7
[A  93F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 63.9 84.8 20.6 27.3 20.6  7
[A  93F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.884.030.021.004.038.003.008.012
1  5 63.7 94.2 20.6 27.3 20.6  7
[A  93F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.892.027.019.003.039.002.006.012
1  5 63.9 90.8 20.6 27.3 20.6  7
[A  93F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.878.033.023.005.038.003.008.012
1  5 64.0 80.0 20.6 27.3 20.6  7
[A  93F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.827.058.041.008.036.005.014.011
1  5 26.9 87.7 20.6 27.3 20.6  7
[A  93F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 27.2 84.8 20.6 27.3 20.6  7
[A  93F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.883.031.021.004.038.003.008.012
1  5 24.6 94.2 20.6 27.3 20.6  7
[A  93F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.909.018.013.002.039.002.004.013
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1  5 26.7 90.8 20.6 27.3 20.6  7
[A  93F14T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.878.033.023.005.038.003.008.012
1  5 29.9 80.0 20.6 27.3 20.6  7
[A  93F14T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.888.028.020.004.038.002.007.013
1  5 20.1 87.7 20.6 27.3 20.6  7
[A  93F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.896.025.017.003.039.002.006.012
1  5 20.5 84.8 20.6 27.3 20.6  7
[A  93F16T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 18.7 94.2 20.6 27.3 20.6  7
[A  93F16T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.913.017.011.002.039.001.004.013
1  5 20.1 90.8 20.6 27.3 20.6  7
[A  93F16T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.883.031.021.004.038.003.008.012
1  5 21.7 80.0 20.6 27.3 20.6  7
[A  93F16T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 11.3 87.7 20.6 27.3 20.6  7
[A  93F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 13.2 84.8 20.6 27.3 20.6  7
[A  93F17T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.879.032.023.005.038.003.008.012
1  5  7.9 94.2 20.6 27.3 20.6  7
[A  93F17T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.908.019.013.002.039.002.004.013
1  5 11.8 90.8 20.6 27.3 20.6  7
[A  93F17T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.875.034.024.005.038.003.009.012
1  5 15.3 80.0 20.6 27.3 20.6  7
[A  93F17T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.899.023.016.003.038.002.006.013
1  5  9.9 87.7 20.6 27.3 20.6  7
[A  93F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 10.5 84.8 20.6 27.3 20.6  7
[A  93F19T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.903.021.015.003.039.002.005.012
1  5  8.2 94.2 20.6 27.3 20.6  7
[A  93F19T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.920.012.009.002.040.001.003.013
1  5 10.0 90.8 20.6 27.3 20.6  7
[A  93F19T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 11.7 80.0 20.6 27.3 20.6  7
[A  93F19T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.916.015.010.002.039.001.004.013
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1      PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Chester County, 1990 Adjusted to 2005
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
5    newflg
21       imflag
1    alhflg
1    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.051 .082 .085 .092 .095 .103 .099 .091 .070 .058      * Distribution by Vehicle
.034 .025 .020 .018 .018 .013 .009 .006 .004 .003      * County:Chester
.004 .003 .003 .003 .011                               * Filename:     chesage.da
.038 .062 .063 .068 .087 .100 .095 .103 .068 .058
.040 .027 .026 .024 .037 .030 .021 .011 .007 .007
.005 .006 .004 .004 .009
.044 .059 .057 .080 .106 .107 .084 .095 .069 .050
.030 .024 .021 .022 .037 .031 .021 .012 .009 .009
.010 .008 .005 .003 .007
.024 .039 .044 .062 .086 .087 .081 .083 .065 .044
.035 .031 .032 .032 .045 .034 .029 .017 .021 .021
.025 .017 .013 .013 .020
.051 .082 .085 .092 .095 .103 .099 .091 .070 .058
.034 .025 .020 .018 .018 .013 .009 .006 .004 .003
.004 .003 .003 .003 .011
.038 .062 .063 .068 .087 .100 .095 .103 .068 .058
.040 .027 .026 .024 .037 .030 .021 .011 .007 .007
.005 .006 .004 .004 .009
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.030 .044 .040 .043 .042 .043 .043 .070 .068 .061
.065 .452 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 65.0 87.7 20.6 27.3 20.6  7
[A 151F 1T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.790.076.053.010.034.007.019.011
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 151F 1T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.794.074.052.010.034.007.018.011
1  5 65.0 94.2 20.6 27.3 20.6  7
[A 151F 1T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.824.059.041.008.036.005.015.012
1  5 65.0 90.8 20.6 27.3 20.6  7
[A 151F 1T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.811.066.046.009.035.006.016.011
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 151F 1T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.733.104.073.014.031.009.026.010
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1  5 55.9 87.7 20.6 27.3 20.6  7
[A 151F 2T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.844.050.035.007.036.004.012.012
1  5 55.7 84.8 20.6 27.3 20.6  7
[A 151F 2T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.843.051.035.007.036.004.012.012
1  5 53.9 94.2 20.6 27.3 20.6  7
[A 151F 2T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.879.033.023.004.038.003.008.012
1  5 55.7 90.8 20.6 27.3 20.6  7
[A 151F 2T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.826.058.041.008.036.005.015.011
1  5 58.9 80.0 20.6 27.3 20.6  7
[A 151F 2T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.845.049.034.007.036.005.012.012
1  5 48.2 87.7 20.6 27.3 20.6  7
[A 151F 6T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.871.036.026.005.038.003.009.012
1  5 48.3 84.8 20.6 27.3 20.6  7
[A 151F 6T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.863.041.028.006.037.003.010.012
1  5 47.1 94.2 20.6 27.3 20.6  7
[A 151F 6T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5 48.1 90.8 20.6 27.3 20.6  7
[A 151F 6T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.855.044.031.006.037.004.011.012
1  5 49.5 80.0 20.6 27.3 20.6  7
[A 151F 6T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 38.9 87.7 20.6 27.3 20.6  7
[A 151F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 39.1 84.8 20.6 27.3 20.6  7
[A 151F 7T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.873.035.025.005.038.003.009.012
1  5 38.2 94.2 20.6 27.3 20.6  7
[A 151F 7T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.900.022.016.003.039.002.005.013
1  5 38.9 90.8 20.6 27.3 20.6  7
[A 151F 7T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 39.6 80.0 20.6 27.3 20.6  7
[A 151F 7T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.896.024.017.003.039.002.006.013
1  5 39.4 87.7 20.6 27.3 20.6  7
[A 151F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.859.042.030.006.037.004.010.012
1  5 39.4 84.8 20.6 27.3 20.6  7
[A 151F 8T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.849.048.033.006.037.004.011.012
1  5 39.1 94.2 20.6 27.3 20.6  7
[A 151F 8T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5 39.4 90.8 20.6 27.3 20.6  7
[A 151F 8T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.837.053.037.007.036.005.013.012
1  5 39.6 80.0 20.6 27.3 20.6  7
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```
[A 151F 8T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 28.6 87.7 20.6 27.3 20.6  7
[A 151F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.857.043.030.006.037.004.011.012
1  5 28.7 84.8 20.6 27.3 20.6  7
[A 151F 9T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.846.048.034.007.037.004.012.012
1  5 28.2 94.2 20.6 27.3 20.6  7
[A 151F 9T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 28.6 90.8 20.6 27.3 20.6  7
[A 151F 9T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.836.054.037.007.036.005.013.012
1  5 28.9 80.0 20.6 27.3 20.6  7
[A 151F 9T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A 152F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.870.038.026.005.037.003.009.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 152F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 65.0 94.2 20.6 27.3 20.6  7
[A 152F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.891.027.019.004.038.002.007.012
1  5 65.0 90.8 20.6 27.3 20.6  7
[A 152F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.877.034.024.004.038.003.008.012
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 152F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.823.060.042.008.036.005.015.011
1  5 58.7 87.7 20.6 27.3 20.6  7
[A 152F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.839.052.036.007.036.005.013.012
1  5 58.8 84.8 20.6 27.3 20.6  7
[A 152F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.833.055.039.008.036.005.013.011
1  5 58.0 94.2 20.6 27.3 20.6  7
[A 152F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.878.033.024.004.037.004.008.012
1  5 58.7 90.8 20.6 27.3 20.6  7
[A 152F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.823.060.042.008.036.005.015.011
1  5 59.6 80.0 20.6 27.3 20.6  7
[A 152F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.841.051.036.007.036.005.012.012
1  5 31.0 87.7 20.6 27.3 20.6  7
[A 152F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.832.055.039.007.036.005.014.012
1  5 31.0 84.8 20.6 27.3 20.6  7
[A 152F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.818.064.045.009.036.005.014.009
1  5 30.5 94.2 20.6 27.3 20.6  7
[A 152F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.872.035.026.006.035.003.010.013
1  5 30.9 90.8 20.6 27.3 20.6  7
[A 152F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
```

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.805.068.048.009.036.007.016.011
1  5 31.4 80.0 20.6 27.3 20.6  7
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.854.046.032.007.035.004.011.011
1  5 65.0 87.7 20.6 27.3 20.6  7
[A 153F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.794.074.052.010.034.007.018.011
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 153F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.823.060.042.008.036.005.015.011
1  5 64.9 94.2 20.6 27.3 20.6  7
[A 153F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.838.053.037.007.036.005.013.011
1  5 65.0 90.8 20.6 27.3 20.6  7
[A 153F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.811.066.046.009.035.006.016.011
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 153F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.709.116.081.016.029.010.029.010
1  5 62.4 87.7 20.6 27.3 20.6  7
[A 153F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.877.034.024.004.038.003.008.012
1  5 63.1 84.8 20.6 27.3 20.6  7
[A 153F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.889.028.019.004.038.003.007.012
1  5 60.1 94.2 20.6 27.3 20.6  7
[A 153F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 62.4 90.8 20.6 27.3 20.6  7
[A 153F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 63.9 80.0 20.6 27.3 20.6  7
[A 153F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.837.053.037.007.036.005.013.012
1  5 28.5 87.7 20.6 27.3 20.6  7
[A 153F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 28.7 84.8 20.6 27.3 20.6  7
[A 153F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.883.031.022.004.038.003.007.012
1  5 26.9 94.2 20.6 27.3 20.6  7
[A 153F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.909.018.013.002.039.002.004.013
1  5 28.4 90.8 20.6 27.3 20.6  7
[A 153F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.877.034.023.005.038.003.008.012
1  5 30.6 80.0 20.6 27.3 20.6  7
[A 153F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.887.028.020.004.038.003.007.013
1  5 20.8 87.7 20.6 27.3 20.6  7
[A 153F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.900.022.016.003.039.002.006.012
1  5 21.0 84.8 20.6 27.3 20.6  7
[A 153F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.895.026.018.003.038.002.006.012
1  5 19.6 94.2 20.6 27.3 20.6  7
[A 153F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.915.015.011.002.039.001.004.013
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1  5 20.8 90.8 20.6 27.3 20.6  7
[A 153F16T 3  ] C  87.  93.  9.0  9.0 20 1 1 1
.889.028.019.004.038.003.007.012
1  5 22.0 80.0 20.6 27.3 20.6  7
[A 153F16T 4  ] C  71.  85.  9.0  9.0 20 1 1 1
.908.018.013.003.039.002.004.013
1  5 15.3 87.7 20.6 27.3 20.6  7
[A 153F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.898.024.016.003.039.002.006.012
1  5 15.5 84.8 20.6 27.3 20.6  7
[A 153F17T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.889.028.019.004.038.003.007.012
1  5 14.2 94.2 20.6 27.3 20.6  7
[A 153F17T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 15.3 90.8 20.6 27.3 20.6  7
[A 153F17T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 16.4 80.0 20.6 27.3 20.6  7
[A 153F17T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 10.8 87.7 20.6 27.3 20.6  7
[A 153F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.894.026.018.004.038.002.006.012
1  5 11.1 84.8 20.6 27.3 20.6  7
[A 153F19T 1   ] C  80.  87.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5  9.7 94.2 20.6 27.3 20.6  7
[A 153F19T 2   ] C  91.  96.  9.0  9.0 20 1 1 1
.913.017.011.002.039.001.004.013
1  5 10.8 90.8 20.6 27.3 20.6  7
[A 153F19T 3   ] C  87.  93.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 11.8 80.0 20.6 27.3 20.6  7
[A 153F19T 4   ] C  71.  85.  9.0  9.0 20 1 1 1
.902.021.015.003.039.002.005.013
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1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Delaware County, 1990 Adjusted to 2005
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
5    newflg
21       imflag
1    alhflg
1    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.065 .093 .084 .083 .087 .087 .089 .084 .071 .060      * Distribution by Vehicle
.038 .027 .023 .021 .023 .017 .012 .008 .004 .004      * County:Delaware
.004 .003 .002 .002 .008                               * Filename:     delaage.da
.043 .061 .069 .068 .083 .087 .091 .103 .068 .060
.040 .030 .027 .024 .040 .029 .022 .014 .008 .008
.007 .005 .004 .003 .007
.053 .076 .068 .092 .106 .093 .073 .089 .063 .052
.033 .024 .018 .021 .039 .027 .018 .011 .008 .008
.011 .005 .003 .003 .006
.026 .042 .043 .061 .084 .094 .078 .081 .069 .048
.032 .028 .027 .036 .047 .035 .026 .017 .023 .021
.024 .014 .012 .011 .018
.065 .093 .084 .083 .087 .087 .089 .084 .071 .060
.038 .027 .023 .021 .023 .017 .012 .008 .004 .004
.004 .003 .002 .002 .008
.043 .061 .069 .068 .083 .087 .091 .103 .068 .060
.040 .030 .027 .024 .040 .029 .022 .014 .008 .008
.007 .005 .004 .003 .007
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.034 .056 .043 .035 .045 .042 .054 .078 .066 .052
.067 .428 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.      Existing I/M Record
1  5 55.7 87.7 20.6 27.3 20.6  7
[A 231F 2T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.849.047.033.006.037.004.012.012
1  5 55.5 84.8 20.6 27.3 20.6  7
[A 231F 2T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.847.048.033.007.037.004.012.012
1  5 53.6 94.2 20.6 27.3 20.6  7
[A 231F 2T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.883.031.022.004.038.003.007.012
1  5 55.5 90.8 20.6 27.3 20.6  7
[A 231F 2T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.832.055.039.007.036.005.014.012
1  5 58.8 80.0 20.6 27.3 20.6  7
[A 231F 2T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.852.046.032.006.037.004.011.012
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1  5 45.3 87.7 20.6 27.3 20.6  7
[A 231F 6T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.926.010.007.001.040.001.002.013
1  5 45.7 84.8 20.6 27.3 20.6  7
[A 231F 6T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.924.011.007.001.040.001.003.013
1  5 42.8 94.2 20.6 27.3 20.6  7
[A 231F 6T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.931.007.005.001.040.001.002.013
1  5 45.1 90.8 20.6 27.3 20.6  7
[A 231F 6T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.921.012.008.002.040.001.003.013
1  5 48.6 80.0 20.6 27.3 20.6  7
[A 231F 6T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.929.008.006.001.040.001.002.013
1  5 39.5 87.7 20.6 27.3 20.6  7
[A 231F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.872.036.025.005.038.003.009.012
1  5 39.6 84.8 20.6 27.3 20.6  7
[A 231F 7T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.865.040.028.005.037.003.010.012
1  5 39.2 94.2 20.6 27.3 20.6  7
[A 231F 7T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5 39.5 90.8 20.6 27.3 20.6  7
[A 231F 7T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.854.045.031.006.037.004.011.012
1  5 39.8 80.0 20.6 27.3 20.6  7
[A 231F 7T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.006.013
1  5 39.5 87.7 20.6 27.3 20.6  7
[A 231F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.838.052.037.007.036.005.013.012
1  5 39.5 84.8 20.6 27.3 20.6  7
[A 231F 8T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.824.059.041.008.036.005.015.012
1  5 39.3 94.2 20.6 27.3 20.6  7
[A 231F 8T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 39.5 90.8 20.6 27.3 20.6  7
[A 231F 8T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.811.066.046.009.035.006.016.011
1  5 39.6 80.0 20.6 27.3 20.6  7
[A 231F 8T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.867.039.027.005.037.004.009.012
1  5 28.8 87.7 20.6 27.3 20.6  7
[A 231F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.876.034.024.005.038.003.008.012
1  5 28.8 84.8 20.6 27.3 20.6  7
[A 231F 9T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.868.039.027.005.037.003.009.012
1  5 28.6 94.2 20.6 27.3 20.6  7
[A 231F 9T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 28.8 90.8 20.6 27.3 20.6  7
[A 231F 9T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.857.043.030.006.037.004.011.012
1  5 29.0 80.0 20.6 27.3 20.6  7
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[A 231F 9T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.892.026.018.004.038.003.006.013
1  5 63.9 87.7 20.6 27.3 20.6  7
[A 233F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.825.058.041.008.036.005.015.012
1  5 64.4 84.8 20.6 27.3 20.6  7
[A 233F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.848.048.033.007.036.004.012.012
1  5 62.1 94.2 20.6 27.3 20.6  7
[A 233F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.859.042.029.006.037.004.011.012
1  5 63.9 90.8 20.6 27.3 20.6  7
[A 233F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.838.052.037.007.036.005.013.012
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 233F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.757.092.064.013.033.008.023.010
1  5 63.9 87.7 20.6 27.3 20.6  7
[A 233F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.896.024.017.003.039.002.006.013
1  5 64.0 84.8 20.6 27.3 20.6  7
[A 233F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.905.020.013.003.039.002.005.013
1  5 63.8 94.2 20.6 27.3 20.6  7
[A 233F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.912.017.012.002.039.001.004.013
1  5 63.9 90.8 20.6 27.3 20.6  7
[A 233F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.902.021.015.003.039.002.005.013
1  5 64.0 80.0 20.6 27.3 20.6  7
[A 233F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.870.037.026.005.038.003.009.012
1  5 27.2 87.7 20.6 27.3 20.6  7
[A 233F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.891.027.019.004.038.002.007.012
1  5 27.5 84.8 20.6 27.3 20.6  7
[A 233F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 24.9 94.2 20.6 27.3 20.6  7
[A 233F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.910.018.012.002.039.002.004.013
1  5 27.1 90.8 20.6 27.3 20.6  7
[A 233F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 30.1 80.0 20.6 27.3 20.6  7
[A 233F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.002.007.013
1  5 20.7 87.7 20.6 27.3 20.6  7
[A 233F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 20.9 84.8 20.6 27.3 20.6  7
[A 233F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 19.5 94.2 20.6 27.3 20.6  7
[A 233F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 20.7 90.8 20.6 27.3 20.6  7
[A 233F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
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.885.030.021.004.038.003.007.012
1  5 22.0 80.0 20.6 27.3 20.6  7
[A 233F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 14.4 87.7 20.6 27.3 20.6  7
[A 233F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 14.8 84.8 20.6 27.3 20.6  7
[A 233F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 12.8 94.2 20.6 27.3 20.6  7
[A 233F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 14.5 90.8 20.6 27.3 20.6  7
[A 233F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5 16.1 80.0 20.6 27.3 20.6  7
[A 233F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.905.019.014.003.039.002.005.013
1  5 10.6 87.7 20.6 27.3 20.6  7
[A 233F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.895.025.018.003.039.002.006.012
1  5 10.9 84.8 20.6 27.3 20.6  7
[A 233F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5  9.5 94.2 20.6 27.3 20.6  7
[A 233F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.912.017.012.002.039.001.004.013
1  5 10.6 90.8 20.6 27.3 20.6  7
[A 233F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 11.8 80.0 20.6 27.3 20.6  7
[A 233F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.903.021.014.003.039.002.005.013
```

```
1     PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Montgomery County, 1990 Adjusted to 2005
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
5    newflg
21       imflag
1    alhflg
1    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.052 .087 .086 .093 .095 .095 .097 .088 .071 .058     * Distribution by Vehicle
.035 .025 .020 .018 .020 .015 .010 .006 .004 .003     * County:Montgomery
.004 .003 .002 .003 .010                              * Filename:     montage.da
.041 .059 .059 .071 .089 .090 .091 .101 .072 .059
.041 .030 .026 .024 .038 .030 .022 .014 .008 .008
.006 .006 .004 .004 .008
.046 .058 .064 .085 .115 .097 .080 .095 .072 .050
.032 .024 .021 .023 .038 .029 .020 .010 .009 .008
.009 .006 .004 .003 .004
.025 .038 .049 .066 .089 .098 .087 .089 .064 .053
.031 .030 .029 .034 .041 .029 .026 .015 .019 .018
.020 .015 .010 .009 .017
.052 .087 .086 .093 .095 .095 .097 .088 .071 .058
.035 .025 .020 .018 .020 .015 .010 .006 .004 .003
.004 .003 .002 .003 .010
.041 .059 .059 .071 .089 .090 .091 .101 .072 .059
.041 .030 .026 .024 .038 .030 .022 .014 .008 .008
.006 .006 .004 .004 .008
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.039 .050 .038 .040 .042 .036 .050 .075 .074 .052
.067 .436 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 55.7 87.7 20.6 27.3 20.6  7
[A 461F 2T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.866.039.027.005.037.004.010.012
1  5 55.5 84.8 20.6 27.3 20.6  7
[A 461F 2T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.865.039.028.005.037.004.010.012
1  5 53.6 94.2 20.6 27.3 20.6  7
[A 461F 2T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.891.026.019.004.038.003.006.013
1  5 55.5 90.8 20.6 27.3 20.6  7
[A 461F 2T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.853.045.032.006.037.004.011.012
1  5 58.8 80.0 20.6 27.3 20.6  7
[A 461F 2T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.867.038.027.005.037.004.010.012
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1  5 47.9 87.7 20.6 27.3 20.6  7
[A 461F 6T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 48.1 84.8 20.6 27.3 20.6  7
[A 461F 6T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.880.032.023.004.038.003.008.012
1  5 46.6 94.2 20.6 27.3 20.6  7
[A 461F 6T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 47.8 90.8 20.6 27.3 20.6  7
[A 461F 6T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.873.036.025.005.037.003.009.012
1  5 49.4 80.0 20.6 27.3 20.6  7
[A 461F 6T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.896.024.017.003.039.002.006.013
1  5 38.1 87.7 20.6 27.3 20.6  7
[A 461F 7T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 38.2 84.8 20.6 27.3 20.6  7
[A 461F 7T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.872.036.025.005.038.003.009.012
1  5 37.2 94.2 20.6 27.3 20.6  7
[A 461F 7T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.900.022.016.003.039.002.005.013
1  5 38.0 90.8 20.6 27.3 20.6  7
[A 461F 7T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.864.040.028.005.037.004.010.012
1  5 39.2 80.0 20.6 27.3 20.6  7
[A 461F 7T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.896.024.017.003.039.002.006.013
1  5 38.7 87.7 20.6 27.3 20.6  7
[A 461F 8T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.852.046.032.006.037.004.011.012
1  5 38.8 84.8 20.6 27.3 20.6  7
[A 461F 8T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.839.052.036.007.036.005.013.012
1  5 37.9 94.2 20.6 27.3 20.6  7
[A 461F 8T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.880.032.023.004.038.003.008.012
1  5 38.7 90.8 20.6 27.3 20.6  7
[A 461F 8T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.826.058.041.008.036.005.014.012
1  5 39.4 80.0 20.6 27.3 20.6  7
[A 461F 8T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.874.035.024.005.038.003.009.012
1  5 28.9 87.7 20.6 27.3 20.6  7
[A 461F 9T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.858.043.030.006.037.004.010.012
1  5 28.9 84.8 20.6 27.3 20.6  7
[A 461F 9T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.849.048.033.006.037.004.011.012
1  5 28.7 94.2 20.6 27.3 20.6  7
[A 461F 9T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 28.9 90.8 20.6 27.3 20.6  7
[A 461F 9T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.836.054.037.007.036.005.013.012
1  5 29.0 80.0 20.6 27.3 20.6  7
```

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[A 461F 9T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A 462F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.871.037.026.005.037.003.009.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 462F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.007.013
1  5 65.0 94.2 20.6 27.3 20.6  7
[A 462F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.891.027.018.004.038.002.007.013
1  5 65.0 90.8 20.6 27.3 20.6  7
[A 462F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.877.033.023.005.038.003.008.013
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 462F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.824.059.041.008.036.005.015.012
1  5 58.4 87.7 20.6 27.3 20.6  7
[A 462F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.893.026.018.004.039.002.006.012
1  5 58.5 84.8 20.6 27.3 20.6  7
[A 462F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.890.028.019.004.038.002.007.012
1  5 57.6 94.2 20.6 27.3 20.6  7
[A 462F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.913.017.011.002.039.001.004.013
1  5 58.4 90.8 20.6 27.3 20.6  7
[A 462F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 59.5 80.0 20.6 27.3 20.6  7
[A 462F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.892.026.018.004.039.002.006.013
1  5 30.8 87.7 20.6 27.3 20.6  7
[A 462F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 30.9 84.8 20.6 27.3 20.6  7
[A 462F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.880.032.023.004.038.003.008.012
1  5 30.3 94.2 20.6 27.3 20.6  7
[A 462F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.909.018.013.002.039.002.004.013
1  5 30.8 90.8 20.6 27.3 20.6  7
[A 462F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.876.034.024.005.038.003.008.012
1  5 31.3 80.0 20.6 27.3 20.6  7
[A 462F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.898.023.016.003.039.002.006.013
1  5 26.0 87.7 20.6 27.3 20.6  7
[A 462F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.896.025.017.003.039.002.006.012
1  5 26.1 84.8 20.6 27.3 20.6  7
[A 462F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.888.029.020.004.038.002.007.012
1  5 25.6 94.2 20.6 27.3 20.6  7
[A 462F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 26.0 90.8 20.6 27.3 20.6  7
[A 462F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
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.885.030.021.004.038.003.007.012
1  5 26.4 80.0 20.6 27.3 20.6  7
[A 462F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 23.6 87.7 20.6 27.3 20.6  7
[A 462F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 23.6 84.8 20.6 27.3 20.6  7
[A 462F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.890.028.019.004.038.002.007.012
1  5 23.5 94.2 20.6 27.3 20.6  7
[A 462F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 23.6 90.8 20.6 27.3 20.6  7
[A 462F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5 23.6 80.0 20.6 27.3 20.6  7
[A 462F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 60.8 87.7 20.6 27.3 20.6  7
[A 463F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.830.056.039.008.036.005.014.012
1  5 62.6 84.8 20.6 27.3 20.6  7
[A 463F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.850.046.032.007.037.004.012.012
1  5 55.5 94.2 20.6 27.3 20.6  7
[A 463F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.863.040.028.005.038.004.010.012
1  5 60.9 90.8 20.6 27.3 20.6  7
[A 463F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.843.050.035.007.036.005.012.012
1  5 64.8 80.0 20.6 27.3 20.6  7
[A 463F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.766.088.062.012.032.008.022.010
1  5 61.5 87.7 20.6 27.3 20.6  7
[A 463F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.886.029.020.004.038.003.007.013
1  5 62.3 84.8 20.6 27.3 20.6  7
[A 463F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.897.023.017.003.039.002.006.013
1  5 58.9 94.2 20.6 27.3 20.6  7
[A 463F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.903.021.014.003.039.002.005.013
1  5 61.3 90.8 20.6 27.3 20.6  7
[A 463F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.894.025.018.003.039.002.006.013
1  5 63.9 80.0 20.6 27.3 20.6  7
[A 463F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.853.045.032.006.037.004.011.012
1  5 28.2 87.7 20.6 27.3 20.6  7
[A 463F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.901.022.015.003.039.002.005.013
1  5 28.4 84.8 20.6 27.3 20.6  7
[A 463F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 26.4 94.2 20.6 27.3 20.6  7
[A 463F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.917.014.010.002.040.001.003.013
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1  5 28.1 90.8 20.6 27.3 20.6  7
[A 463F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.895.026.018.003.038.002.006.012
1  5 30.5 80.0 20.6 27.3 20.6  7
[A 463F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.901.022.015.003.039.002.005.013
1  5 20.3 87.7 20.6 27.3 20.6  7
[A 463F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.897.024.017.003.039.002.006.012
1  5 20.6 84.8 20.6 27.3 20.6  7
[A 463F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 18.9 94.2 20.6 27.3 20.6  7
[A 463F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.914.016.011.002.039.001.004.013
1  5 20.3 90.8 20.6 27.3 20.6  7
[A 463F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.887.029.020.004.038.003.007.012
1  5 21.8 80.0 20.6 27.3 20.6  7
[A 463F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.906.019.013.003.039.002.005.013
1  5 14.3 87.7 20.6 27.3 20.6  7
[A 463F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.895.026.018.003.038.002.006.012
1  5 14.7 84.8 20.6 27.3 20.6  7
[A 463F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.884.030.021.004.038.003.008.012
1  5 12.7 94.2 20.6 27.3 20.6  7
[A 463F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.912.017.012.002.039.001.004.013
1  5 14.3 90.8 20.6 27.3 20.6  7
[A 463F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.881.032.022.004.038.003.008.012
1  5 16.0 80.0 20.6 27.3 20.6  7
[A 463F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.902.021.015.003.039.002.005.013
1  5 10.9 87.7 20.6 27.3 20.6  7
[A 463F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.854.045.031.006.037.004.011.012
1  5 11.2 84.8 20.6 27.3 20.6  7
[A 463F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.840.052.036.007.036.005.013.011
1  5  9.9 94.2 20.6 27.3 20.6  7
[A 463F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.886.030.021.004.037.002.008.012
1  5 11.0 90.8 20.6 27.3 20.6  7
[A 463F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.834.055.039.007.036.005.013.011
1  5 12.0 80.0 20.6 27.3 20.6  7
[A 463F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.873.036.025.005.037.003.009.012
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1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Philadelphia County, 1990 Adjusted to 2005
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
5    newflg
21       imflag
1    alhflg
1    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.037 .054 .056 .064 .070 .080 .085 .088 .081 .077     * Distribution by Vehicle
.053 .042 .038 .035 .038 .031 .023 .014 .007 .006     * County:Philadelphia
.005 .004 .003 .003 .006                              * Filename:     philage.da
.024 .039 .043 .051 .062 .070 .076 .092 .072 .066
.052 .040 .036 .039 .058 .046 .035 .023 .016 .015
.011 .008 .006 .007 .011
.027 .059 .052 .076 .076 .082 .081 .092 .069 .052
.037 .035 .032 .031 .046 .044 .024 .015 .012 .017
.014 .009 .005 .003 .007
.016 .036 .033 .041 .065 .074 .096 .076 .072 .048
.044 .042 .034 .038 .052 .026 .022 .025 .042 .029
.024 .016 .015 .020 .010
.037 .054 .056 .064 .070 .080 .085 .088 .081 .077
.053 .042 .038 .035 .038 .031 .023 .014 .007 .006
.005 .004 .003 .003 .006
.024 .039 .043 .051 .062 .070 .076 .092 .072 .066
.052 .040 .036 .039 .058 .046 .035 .023 .016 .015
.011 .008 .006 .007 .011
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.039 .051 .032 .039 .040 .042 .066 .076 .081 .055
.062 .420 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 18 68 20  2  1 094 2 1 2221 1211 220. 1.20 999.        Existing I/M Record
1  5 53.7 87.7 20.6 27.3 20.6  7
[A 673F11T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.814.064.045.009.035.006.016.011
1  5 57.0 84.8 20.6 27.3 20.6  7
[A 673F11T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.837.053.037.007.036.005.013.012
1  5 45.5 94.2 20.6 27.3 20.6  7
[A 673F11T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.851.046.032.006.037.004.012.012
1  5 52.7 90.8 20.6 27.3 20.6  7
[A 673F11T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.829.057.040.008.036.005.014.011
1  5 63.6 80.0 20.6 27.3 20.6  7
[A 673F11T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.738.101.071.014.032.009.025.010
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1  5 60.7 87.7 20.6 27.3 20.6  7
[A 673F12T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.896.025.017.003.039.002.006.012
1  5 62.2 84.8 20.6 27.3 20.6  7
[A 673F12T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.904.020.014.003.039.002.005.013
1  5 56.2 94.2 20.6 27.3 20.6  7
[A 673F12T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.909.018.013.002.039.002.004.013
1  5 60.8 90.8 20.6 27.3 20.6  7
[A 673F12T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.901.022.015.003.039.002.006.012
1  5 63.9 80.0 20.6 27.3 20.6  7
[A 673F12T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.865.039.028.005.037.004.010.012
1  5 21.8 87.7 20.6 27.3 20.6  7
[A 673F14T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.890.028.019.004.038.002.007.012
1  5 22.8 84.8 20.6 27.3 20.6  7
[A 673F14T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.885.030.021.004.038.003.007.012
1  5 17.4 94.2 20.6 27.3 20.6  7
[A 673F14T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.910.018.012.002.039.002.004.013
1  5 21.6 90.8 20.6 27.3 20.6  7
[A 673F14T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.880.032.023.004.038.003.008.012
1  5 28.6 80.0 20.6 27.3 20.6  7
[A 673F14T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.890.027.019.004.038.002.007.013
1  5 14.8 87.7 20.6 27.3 20.6  7
[A 673F16T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 16.2 84.8 20.6 27.3 20.6  7
[A 673F16T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.007.012
1  5 12.7 94.2 20.6 27.3 20.6  7
[A 673F16T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.916.015.010.002.039.001.004.013
1  5 14.3 90.8 20.6 27.3 20.6  7
[A 673F16T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 18.0 80.0 20.6 27.3 20.6  7
[A 673F16T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.907.018.013.003.039.002.005.013
1  5 14.7 87.7 20.6 27.3 20.6  7
[A 673F17T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.899.023.016.003.039.002.006.012
1  5 15.1 84.8 20.6 27.3 20.6  7
[A 673F17T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.890.027.019.004.038.003.007.012
1  5 13.5 94.2 20.6 27.3 20.6  7
[A 673F17T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.916.015.010.002.039.001.004.013
1  5 14.7 90.8 20.6 27.3 20.6  7
[A 673F17T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.888.028.020.004.038.003.007.012
1  5 16.2 80.0 20.6 27.3 20.6  7
```

```
[A 673F17T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.907.018.013.003.039.002.005.013
1  5 10.3 87.7 20.6 27.3 20.6  7
[A 673F19T 24HR] C  71.  96.  9.0  9.0 20 1 1 1
.895.025.018.004.038.002.006.012
1  5 10.6 84.8 20.6 27.3 20.6  7
[A 673F19T 1    ] C  80.  87.  9.0  9.0 20 1 1 1
.886.029.021.004.038.003.007.012
1  5  9.4 94.2 20.6 27.3 20.6  7
[A 673F19T 2    ] C  91.  96.  9.0  9.0 20 1 1 1
.912.016.012.002.039.002.004.013
1  5 10.3 90.8 20.6 27.3 20.6  7
[A 673F19T 3    ] C  87.  93.  9.0  9.0 20 1 1 1
.882.031.022.004.038.003.008.012
1  5 11.3 80.0 20.6 27.3 20.6  7
[A 673F19T 4    ] C  71.  85.  9.0  9.0 20 1 1 1
.903.021.014.003.039.002.005.013
```

Philadelphia 5-County Area MOBILE Input Files
2005 Control Strategy Scenario

```
1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Bucks County, 2005 Proposed Control Strategy
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
1    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.039 .073 .076 .084 .090 .098 .098 .092 .077 .064     * Distribution by Vehicle
.039 .029 .023 .021 .024 .018 .013 .008 .004 .004     * County:Bucks
.004 .004 .003 .003 .012                              * Filename:     buckage.da
.033 .052 .056 .064 .086 .094 .092 .104 .074 .060
.044 .031 .028 .026 .041 .032 .024 .014 .008 .009
.006 .007 .005 .004 .008
.037 .059 .048 .075 .104 .100 .081 .093 .073 .056
.032 .023 .023 .024 .039 .037 .023 .014 .013 .011
.011 .007 .006 .003 .007
.024 .036 .036 .062 .086 .088 .075 .083 .068 .050
.030 .029 .028 .035 .045 .036 .027 .020 .023 .023
.027 .019 .012 .013 .024
.039 .073 .076 .084 .090 .098 .098 .092 .077 .064
.039 .029 .023 .021 .024 .018 .013 .008 .004 .004
.004 .004 .003 .003 .012
.033 .052 .056 .064 .086 .094 .092 .104 .074 .060
.044 .031 .028 .026 .041 .032 .024 .014 .008 .009
.006 .007 .005 .004 .008
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.037 .051 .041 .047 .047 .038 .050 .078 .070 .045
.064 .433 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 20 75 20  3  3 096 1 1 2221 1211 220. 1.20 999.        Idle test I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM2 I/M Program
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
1  5 55.6 87.7 20.6 27.3 20.6  7
[A  91F 2T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.859.042.030.006.037.004.010.012
1  5 55.4 84.8 20.6 27.3 20.6  7
[A  91F 2T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.857.043.030.006.037.004.011.012
1  5 53.5 94.2 20.6 27.3 20.6  7
[A  91F 2T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5 55.4 90.8 20.6 27.3 20.6  7
[A  91F 2T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
```

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.844.050.035.007.036.004.012.012
1  5 58.8 80.0 20.6 27.3 20.6  7
[A  91F 2T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.860.042.029.006.037.004.010.012
1  5 47.7 87.7 20.6 27.3 20.6  7
[A  91F 6T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.872.036.025.005.038.003.009.012
1  5 47.9 84.8 20.6 27.3 20.6  7
[A  91F 6T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.864.040.028.006.037.003.010.012
1  5 46.4 94.2 20.6 27.3 20.6  7
[A  91F 6T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.897.024.017.003.039.002.006.012
1  5 47.5 90.8 20.6 27.3 20.6  7
[A  91F 6T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.857.043.030.006.037.004.011.012
1  5 49.3 80.0 20.6 27.3 20.6  7
[A  91F 6T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.885.029.021.004.038.003.007.013
1  5 37.4 87.7 20.6 27.3 20.6  7
[A  91F 7T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.882.031.022.004.038.003.008.012
1  5 37.7 84.8 20.6 27.3 20.6  7
[A  91F 7T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.873.035.025.005.038.003.009.012
1  5 35.8 94.2 20.6 27.3 20.6  7
[A  91F 7T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.901.022.015.003.039.002.005.013
1  5 37.4 90.8 20.6 27.3 20.6  7
[A  91F 7T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.864.040.028.005.037.004.010.012
1  5 39.0 80.0 20.6 27.3 20.6  7
[A  91F 7T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.898.023.017.003.038.002.006.013
1  5 34.7 87.7 20.6 27.3 20.6  7
[A  91F 8T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.872.036.025.005.038.003.009.012
1  5 35.9 84.8 20.6 27.3 20.6  7
[A  91F 8T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.864.040.028.005.037.004.010.012
1  5 30.7 94.2 20.6 27.3 20.6  7
[A  91F 8T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.895.025.018.003.039.002.006.012
1  5 35.1 90.8 20.6 27.3 20.6  7
[A  91F 8T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.853.045.032.006.037.004.011.012
1  5 38.3 80.0 20.6 27.3 20.6  7
[A  91F 8T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.890.027.019.004.038.003.006.013
1  5 25.7 87.7 20.6 27.3 20.6  7
[A  91F 9T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.864.040.028.005.037.004.010.012
1  5 26.8 84.8 20.6 27.3 20.6  7
[A  91F 9T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.854.045.031.006.037.004.011.012
1  5 22.5 94.2 20.6 27.3 20.6  7
[A  91F 9T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.889.028.020.004.038.002.007.012
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1  5 26.1 90.8 20.6 27.3 20.6  7
[A  91F 9T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.843.050.035.007.036.005.012.012
1  5 28.4 80.0 20.6 27.3 20.6  7
[A  91F 9T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.884.030.021.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A  92F12T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.899.023.016.003.039.002.006.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A  92F12T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.908.019.013.002.039.002.005.012
1  5 64.9 94.2 20.6 27.3 20.6  7
[A  92F12T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.912.016.012.002.040.001.004.013
1  5 65.0 90.8 20.6 27.3 20.6  7
[A  92F12T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.903.021.014.003.039.002.005.013
1  5 65.0 80.0 20.6 27.3 20.6  7
[A  92F12T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.872.036.026.005.037.003.009.012
1  5 55.8 87.7 20.6 27.3 20.6  7
[A  92F14T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.887.029.020.004.038.003.007.012
1  5 56.0 84.8 20.6 27.3 20.6  7
[A  92F14T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.883.031.021.004.038.003.008.012
1  5 53.6 94.2 20.6 27.3 20.6  7
[A  92F14T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.908.019.013.002.039.002.004.013
1  5 55.6 90.8 20.6 27.3 20.6  7
[A  92F14T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.877.034.023.005.038.003.008.012
1  5 58.5 80.0 20.6 27.3 20.6  7
[A  92F14T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.888.028.020.004.038.002.007.013
1  5 30.9 87.7 20.6 27.3 20.6  7
[A  92F16T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.911.017.012.002.039.002.004.013
1  5 31.0 84.8 20.6 27.3 20.6  7
[A  92F16T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.905.020.014.003.039.002.005.012
1  5 30.4 94.2 20.6 27.3 20.6  7
[A  92F16T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.922.011.008.002.040.001.003.013
1  5 30.9 90.8 20.6 27.3 20.6  7
[A  92F16T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.903.021.015.003.039.002.005.012
1  5 31.3 80.0 20.6 27.3 20.6  7
[A  92F16T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.917.014.010.002.040.001.003.013
1  5 25.9 87.7 20.6 27.3 20.6  7
[A  92F17T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.881.032.022.004.038.003.008.012
1  5 26.0 84.8 20.6 27.3 20.6  7
[A  92F17T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.870.037.026.005.038.003.009.012
1  5 25.4 94.2 20.6 27.3 20.6  7
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[A  92F17T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.903.021.014.003.039.002.005.013
1  5 25.9 90.8 20.6 27.3 20.6  7
[A  92F17T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.867.039.027.005.037.003.010.012
1  5 26.4 80.0 20.6 27.3 20.6  7
[A  92F17T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.894.026.018.003.038.002.006.013
1  5 23.6 87.7 20.6 27.3 20.6  7
[A  92F19T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.898.023.016.003.039.002.006.013
1  5 23.6 84.8 20.6 27.3 20.6  7
[A  92F19T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.891.027.019.004.038.002.007.012
1  5 23.5 94.2 20.6 27.3 20.6  7
[A  92F19T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.915.015.011.002.039.001.004.013
1  5 23.6 90.8 20.6 27.3 20.6  7
[A  92F19T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.887.029.020.004.038.003.007.012
1  5 23.6 80.0 20.6 27.3 20.6  7
[A  92F19T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.906.019.013.003.039.002.005.013
1  5 60.5 87.7 20.6 27.3 20.6  7
[A  93F11T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.839.052.036.007.036.005.013.012
1  5 62.4 84.8 20.6 27.3 20.6  7
[A  93F11T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.858.043.030.006.037.004.010.012
1  5 55.0 94.2 20.6 27.3 20.6  7
[A  93F11T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.870.037.026.005.038.003.009.012
1  5 60.6 90.8 20.6 27.3 20.6  7
[A  93F11T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.853.046.032.006.036.004.011.012
1  5 64.7 80.0 20.6 27.3 20.6  7
[A  93F11T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.779.082.057.011.033.007.020.011
1  5 63.7 87.7 20.6 27.3 20.6  7
[A  93F12T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.870.037.026.005.038.003.009.012
1  5 63.8 84.8 20.6 27.3 20.6  7
[A  93F12T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.884.030.021.004.038.003.008.012
1  5 63.2 94.2 20.6 27.3 20.6  7
[A  93F12T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.892.027.019.003.039.002.006.012
1  5 63.7 90.8 20.6 27.3 20.6  7
[A  93F12T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.878.033.023.005.038.003.008.012
1  5 64.0 80.0 20.6 27.3 20.6  7
[A  93F12T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.827.058.041.008.036.005.014.011
1  5 24.3 87.7 20.6 27.3 20.6  7
[A  93F14T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5 24.8 84.8 20.6 27.3 20.6  7
[A  93F14T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
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.883.031.021.004.038.003.008.012
1  5 20.9 94.2 20.6 27.3 20.6  7
[A  93F14T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.909.018.013.002.039.002.004.013
1  5 24.1 90.8 20.6 27.3 20.6  7
[A  93F14T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.878.033.023.005.038.003.008.012
1  5 29.3 80.0 20.6 27.3 20.6  7
[A  93F14T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.888.028.020.004.038.002.007.013
1  5 19.0 87.7 20.6 27.3 20.6  7
[A  93F16T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.896.025.017.003.039.002.006.012
1  5 19.4 84.8 20.6 27.3 20.6  7
[A  93F16T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.887.029.020.004.038.003.007.012
1  5 17.1 94.2 20.6 27.3 20.6  7
[A  93F16T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.913.017.011.002.039.001.004.013
1  5 19.0 90.8 20.6 27.3 20.6  7
[A  93F16T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.883.031.021.004.038.003.008.012
1  5 21.2 80.0 20.6 27.3 20.6  7
[A  93F16T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.904.020.014.003.039.002.005.013
1  5  7.3 87.7 20.6 27.3 20.6  7
[A  93F17T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5  8.6 84.8 20.6 27.3 20.6  7
[A  93F17T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.879.032.023.005.038.003.008.012
1  5  4.4 94.2 20.6 27.3 20.6  7
[A  93F17T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.908.019.013.002.039.002.004.013
1  5  7.7 90.8 20.6 27.3 20.6  7
[A  93F17T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.875.034.024.005.038.003.009.012
1  5 13.6 80.0 20.6 27.3 20.6  7
[A  93F17T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.899.023.016.003.038.002.006.013
1  5  7.6 87.7 20.6 27.3 20.6  7
[A  93F19T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.906.019.013.003.039.002.005.013
1  5  8.6 84.8 20.6 27.3 20.6  7
[A  93F19T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.903.021.015.003.039.002.005.012
1  5  5.3 94.2 20.6 27.3 20.6  7
[A  93F19T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.920.012.009.002.040.001.003.013
1  5  7.9 90.8 20.6 27.3 20.6  7
[A  93F19T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.899.023.016.003.039.002.006.012
1  5 10.9 80.0 20.6 27.3 20.6  7
[A  93F19T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.916.015.010.002.039.001.004.013
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1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Chester County, 2005 Proposed Control Strategy
1    tamflg
1    spdflg
2    vmflag
3    mymrfg
1    newflg
32       imflag
1    alhflg
8    atpflg
5    rlflag
1    locflg -- Must be 1
1    temflg
3    outfmt -- Must be 3; Overridden by PPAQ1
4    prtflg
1    idlflg
3    nmhflg
3    hcflag
.051 .082 .085 .092 .095 .103 .099 .091 .070 .058     * Distribution by Vehicle
.034 .025 .020 .018 .018 .013 .009 .006 .004 .003     * County:Chester
.004 .003 .003 .003 .011                              * Filename:     chesage.da
.038 .062 .063 .068 .087 .100 .095 .103 .068 .058
.040 .027 .026 .024 .037 .030 .021 .011 .007 .007
.005 .006 .004 .004 .009
.044 .059 .057 .080 .106 .107 .084 .095 .069 .050
.030 .024 .021 .022 .037 .031 .021 .012 .009 .009
.010 .008 .005 .003 .007
.024 .039 .044 .062 .086 .087 .081 .083 .065 .044
.035 .031 .032 .032 .045 .034 .029 .017 .021 .021
.025 .017 .013 .013 .020
.051 .082 .085 .092 .095 .103 .099 .091 .070 .058
.034 .025 .020 .018 .018 .013 .009 .006 .004 .003
.004 .003 .003 .003 .011
.038 .062 .063 .068 .087 .100 .095 .103 .068 .058
.040 .027 .026 .024 .037 .030 .021 .011 .007 .007
.005 .006 .004 .004 .009
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.030 .044 .040 .043 .042 .043 .043 .070 .068 .061
.065 .452 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 20 75 20  3  3 096 1 1 2221 1211 220. 1.20 999.        Idle test I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM2 I/M Program
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
1  5 64.9 87.7 20.6 27.3 20.6  7
[A 151F 1T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.790.076.053.010.034.007.019.011
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 151F 1T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.794.074.052.010.034.007.018.011
1  5 64.8 94.2 20.6 27.3 20.6  7
[A 151F 1T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.824.059.041.008.036.005.015.012
1  5 64.9 90.8 20.6 27.3 20.6  7
[A 151F 1T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
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.811.066.046.009.035.006.016.011
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 151F 1T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.733.104.073.014.031.009.026.010
1  5 52.7 87.7 20.6 27.3 20.6  7
[A 151F 2T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.844.050.035.007.036.004.012.012
1  5 52.4 84.8 20.6 27.3 20.6  7
[A 151F 2T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.843.051.035.007.036.004.012.012
1  5 49.4 94.2 20.6 27.3 20.6  7
[A 151F 2T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.879.033.023.004.038.003.008.012
1  5 52.3 90.8 20.6 27.3 20.6  7
[A 151F 2T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.826.058.041.008.036.005.015.011
1  5 57.9 80.0 20.6 27.3 20.6  7
[A 151F 2T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.845.049.034.007.036.005.012.012
1  5 46.6 87.7 20.6 27.3 20.6  7
[A 151F 6T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.871.036.026.005.038.003.009.012
1  5 46.9 84.8 20.6 27.3 20.6  7
[A 151F 6T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.863.041.028.006.037.003.010.012
1  5 44.7 94.2 20.6 27.3 20.6  7
[A 151F 6T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.895.025.018.003.039.002.006.012
1  5 46.4 90.8 20.6 27.3 20.6  7
[A 151F 6T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.855.044.031.006.037.004.011.012
1  5 49.0 80.0 20.6 27.3 20.6  7
[A 151F 6T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5 37.7 87.7 20.6 27.3 20.6  7
[A 151F 7T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.881.032.022.004.038.003.008.012
1  5 38.0 84.8 20.6 27.3 20.6  7
[A 151F 7T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.873.035.025.005.038.003.009.012
1  5 36.3 94.2 20.6 27.3 20.6  7
[A 151F 7T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.900.022.016.003.039.002.005.013
1  5 37.7 90.8 20.6 27.3 20.6  7
[A 151F 7T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.864.040.028.005.037.004.010.012
1  5 39.1 80.0 20.6 27.3 20.6  7
[A 151F 7T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.896.024.017.003.039.002.006.013
1  5 39.0 87.7 20.6 27.3 20.6  7
[A 151F 8T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.859.042.030.006.037.004.010.012
1  5 39.1 84.8 20.6 27.3 20.6  7
[A 151F 8T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.849.048.033.006.037.004.011.012
1  5 38.4 94.2 20.6 27.3 20.6  7
[A 151F 8T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.886.029.021.004.038.003.007.012
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1  5 39.0 90.8 20.6 27.3 20.6  7
[A 151F 8T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.837.053.037.007.036.005.013.012
1  5 39.5 80.0 20.6 27.3 20.6  7
[A 151F 8T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.881.032.022.004.038.003.008.012
1  5 27.9 87.7 20.6 27.3 20.6  7
[A 151F 9T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.857.043.030.006.037.004.011.012
1  5 28.1 84.8 20.6 27.3 20.6  7
[A 151F 9T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.846.048.034.007.037.004.012.012
1  5 27.0 94.2 20.6 27.3 20.6  7
[A 151F 9T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5 28.0 90.8 20.6 27.3 20.6  7
[A 151F 9T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.836.054.037.007.036.005.013.012
1  5 28.7 80.0 20.6 27.3 20.6  7
[A 151F 9T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.881.032.022.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A 152F12T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.868.038.027.005.038.003.009.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 152F12T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.882.031.022.004.038.003.008.012
1  5 64.9 94.2 20.6 27.3 20.6  7
[A 152F12T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.890.027.019.004.038.003.007.012
1  5 65.0 90.8 20.6 27.3 20.6  7
[A 152F12T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.877.034.024.004.038.003.008.012
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 152F12T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.822.060.042.008.036.005.015.012
1  5 57.6 87.7 20.6 27.3 20.6  7
[A 152F14T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.839.052.036.007.036.005.013.012
1  5 57.7 84.8 20.6 27.3 20.6  7
[A 152F14T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.833.055.039.008.036.005.013.011
1  5 56.3 94.2 20.6 27.3 20.6  7
[A 152F14T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.879.033.024.004.037.003.008.012
1  5 57.5 90.8 20.6 27.3 20.6  7
[A 152F14T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.823.060.042.008.036.005.015.011
1  5 59.2 80.0 20.6 27.3 20.6  7
[A 152F14T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.841.051.036.007.036.005.012.012
1  5 30.4 87.7 20.6 27.3 20.6  7
[A 152F16T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.832.055.039.007.036.005.014.012
1  5 30.6 84.8 20.6 27.3 20.6  7
[A 152F16T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.812.066.046.007.036.007.016.010
1  5 29.6 94.2 20.6 27.3 20.6  7
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[A 152F16T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.872.037.026.005.037.002.009.012
1  5 30.4 90.8 20.6 27.3 20.6  7
[A 152F16T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.806.067.048.009.035.006.017.012
1  5 31.1 80.0 20.6 27.3 20.6  7
[A 152F16T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.853.046.031.008.036.003.010.013
1  5 64.9 87.7 20.6 27.3 20.6  7
[A 153F11T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.794.074.052.010.034.007.018.011
1  5 64.9 84.8 20.6 27.3 20.6  7
[A 153F11T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.822.060.042.008.036.006.015.011
1  5 64.7 94.2 20.6 27.3 20.6  7
[A 153F11T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.839.052.037.007.036.005.013.011
1  5 64.9 90.8 20.6 27.3 20.6  7
[A 153F11T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.811.066.046.009.035.006.016.011
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 153F11T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.709.116.081.016.029.010.029.010
1  5 57.5 87.7 20.6 27.3 20.6  7
[A 153F12T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.877.034.024.004.038.003.008.012
1  5 59.8 84.8 20.6 27.3 20.6  7
[A 153F12T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.889.028.019.004.038.003.007.012
1  5 50.8 94.2 20.6 27.3 20.6  7
[A 153F12T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.897.024.017.003.039.002.006.012
1  5 57.4 90.8 20.6 27.3 20.6  7
[A 153F12T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5 63.6 80.0 20.6 27.3 20.6  7
[A 153F12T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.837.053.037.007.036.005.013.012
1  5 25.9 87.7 20.6 27.3 20.6  7
[A 153F14T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.887.029.020.004.038.003.007.012
1  5 26.3 84.8 20.6 27.3 20.6  7
[A 153F14T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.883.031.022.004.038.003.007.012
1  5 23.1 94.2 20.6 27.3 20.6  7
[A 153F14T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.909.018.013.002.039.002.004.013
1  5 25.8 90.8 20.6 27.3 20.6  7
[A 153F14T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.877.034.023.005.038.003.008.012
1  5 29.6 80.0 20.6 27.3 20.6  7
[A 153F14T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.887.028.020.004.038.003.007.013
1  5 19.0 87.7 20.6 27.3 20.6  7
[A 153F16T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.900.022.016.003.039.002.006.012
1  5 19.6 84.8 20.6 27.3 20.6  7
[A 153F16T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
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.895.026.018.003.038.002.006.012
1  5 16.6 94.2 20.6 27.3 20.6  7
[A 153F16T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.915.015.011.002.039.001.004.013
1  5 19.2 90.8 20.6 27.3 20.6  7
[A 153F16T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.890.027.019.004.038.003.007.012
1  5 21.3 80.0 20.6 27.3 20.6  7
[A 153F16T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.908.018.013.003.039.002.004.013
1  5 12.7 87.7 20.6 27.3 20.6  7
[A 153F17T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.898.024.016.003.039.002.006.012
1  5 13.8 84.8 20.6 27.3 20.6  7
[A 153F17T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.889.028.019.004.038.003.007.012
1  5 10.1 94.2 20.6 27.3 20.6  7
[A 153F17T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.914.016.011.002.039.001.004.013
1  5 13.0 90.8 20.6 27.3 20.6  7
[A 153F17T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.887.029.020.004.038.003.007.012
1  5 15.5 80.0 20.6 27.3 20.6  7
[A 153F17T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.906.019.013.003.039.002.005.013
1  5  8.3 87.7 20.6 27.3 20.6  7
[A 153F19T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.894.026.018.004.038.002.006.012
1  5  9.4 84.8 20.6 27.3 20.6  7
[A 153F19T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5  5.9 94.2 20.6 27.3 20.6  7
[A 153F19T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.913.017.011.002.039.001.004.013
1  5  8.7 90.8 20.6 27.3 20.6  7
[A 153F19T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.882.031.022.004.038.003.008.012
1  5 11.0 80.0 20.6 27.3 20.6  7
[A 153F19T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.902.021.015.003.039.002.005.013
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1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Delaware County, 2005 Proposed Control Strategy
1     tamflg
1     spdflg
2     vmflag
3     mymrfg
1     newflg
32        imflag
1     alhflg
8     atpflg
5     rlflag
1     locflg -- Must be 1
1     temflg
3     outfmt -- Must be 3; Overridden by PPAQ1
4     prtflg
1     idlflg
3     nmhflg
3     hcflag
.065 .093 .084 .083 .087 .087 .089 .084 .071 .060      * Distribution by Vehicle
.038 .027 .023 .021 .023 .017 .012 .008 .004 .004      * County:Delaware
.004 .003 .002 .002 .008                               * Filename:     delaage.da
.043 .061 .069 .068 .083 .087 .091 .103 .068 .060
.040 .030 .027 .024 .040 .029 .022 .014 .008 .008
.007 .005 .004 .003 .007
.053 .076 .068 .092 .106 .093 .073 .089 .063 .052
.033 .024 .018 .021 .039 .027 .018 .011 .008 .008
.011 .005 .003 .003 .006
.026 .042 .043 .061 .084 .094 .078 .081 .069 .048
.032 .028 .027 .036 .047 .035 .026 .017 .023 .021
.024 .014 .012 .011 .018
.065 .093 .084 .083 .087 .087 .089 .084 .071 .060
.038 .027 .023 .021 .023 .017 .012 .008 .004 .004
.004 .003 .002 .002 .008
.043 .061 .069 .068 .083 .087 .091 .103 .068 .060
.040 .030 .027 .024 .040 .029 .022 .014 .008 .008
.007 .005 .004 .003 .007
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.034 .056 .043 .035 .045 .042 .054 .078 .066 .052
.067 .428 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 20 75 20  3  3 096 1 1 2221 1211 220. 1.20 999.        Idle test I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM2 I/M Program
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
1  5 54.4 87.7 20.6 27.3 20.6  7
[A 231F 2T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.849.047.033.006.037.004.012.012
1  5 54.1 84.8 20.6 27.3 20.6  7
[A 231F 2T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.847.048.033.007.037.004.012.012
1  5 51.6 94.2 20.6 27.3 20.6  7
[A 231F 2T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.883.031.022.004.038.003.007.012
1  5 54.1 90.8 20.6 27.3 20.6  7
[A 231F 2T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
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.832.055.039.007.036.005.014.012
1  5 58.4 80.0 20.6 27.3 20.6  7
[A 231F 2T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.852.046.032.006.037.004.011.012
1  5 43.9 87.7 20.6 27.3 20.6  7
[A 231F 6T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.926.010.007.001.040.001.002.013
1  5 44.4 84.8 20.6 27.3 20.6  7
[A 231F 6T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.924.011.007.001.040.001.003.013
1  5 40.8 94.2 20.6 27.3 20.6  7
[A 231F 6T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.931.007.005.001.040.001.002.013
1  5 43.6 90.8 20.6 27.3 20.6  7
[A 231F 6T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.920.012.009.002.040.001.003.013
1  5 48.1 80.0 20.6 27.3 20.6  7
[A 231F 6T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.929.008.006.001.040.001.002.013
1  5 39.1 87.7 20.6 27.3 20.6  7
[A 231F 7T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.872.036.025.005.038.003.009.012
1  5 39.2 84.8 20.6 27.3 20.6  7
[A 231F 7T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.865.040.028.005.037.003.010.012
1  5 38.6 94.2 20.6 27.3 20.6  7
[A 231F 7T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.895.025.018.003.039.002.006.012
1  5 39.1 90.8 20.6 27.3 20.6  7
[A 231F 7T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.854.045.031.006.037.004.011.012
1  5 39.7 80.0 20.6 27.3 20.6  7
[A 231F 7T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.890.027.019.004.038.003.006.013
1  5 39.3 87.7 20.6 27.3 20.6  7
[A 231F 8T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.838.052.037.007.036.005.013.012
1  5 39.4 84.8 20.6 27.3 20.6  7
[A 231F 8T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.824.059.041.008.036.005.015.012
1  5 39.1 94.2 20.6 27.3 20.6  7
[A 231F 8T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.870.037.026.005.038.003.009.012
1  5 39.3 90.8 20.6 27.3 20.6  7
[A 231F 8T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.811.066.046.009.035.006.016.011
1  5 39.6 80.0 20.6 27.3 20.6  7
[A 231F 8T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.867.039.027.005.037.004.009.012
1  5 28.6 87.7 20.6 27.3 20.6  7
[A 231F 9T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.876.034.024.005.038.003.008.012
1  5 28.6 84.8 20.6 27.3 20.6  7
[A 231F 9T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.868.039.027.005.037.003.009.012
1  5 28.2 94.2 20.6 27.3 20.6  7
[A 231F 9T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.897.024.017.003.039.002.006.012
```

```
1  5 28.6 90.8 20.6 27.3 20.6  7
[A 231F 9T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.857.043.030.006.037.004.011.012
1  5 28.9 80.0 20.6 27.3 20.6  7
[A 231F 9T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.892.026.018.004.038.003.006.013
1  5 39.3 87.7 20.6 27.3 20.6  7
[A 233F11T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.825.058.041.008.036.005.015.012
1  5 45.8 84.8 20.6 27.3 20.6  7
[A 233F11T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.848.048.033.007.036.004.012.012
1  5 26.1 94.2 20.6 27.3 20.6  7
[A 233F11T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.859.042.029.006.037.004.011.012
1  5 39.1 90.8 20.6 27.3 20.6  7
[A 233F11T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.838.052.037.007.036.005.013.012
1  5 62.4 80.0 20.6 27.3 20.6  7
[A 233F11T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.757.092.064.013.033.008.023.010
1  5 59.2 87.7 20.6 27.3 20.6  7
[A 233F12T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.896.024.017.003.039.002.006.013
1  5 61.5 84.8 20.6 27.3 20.6  7
[A 233F12T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.905.020.013.003.039.002.005.013
1  5 53.1 94.2 20.6 27.3 20.6  7
[A 233F12T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.912.017.012.002.039.001.004.013
1  5 59.5 90.8 20.6 27.3 20.6  7
[A 233F12T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.902.021.015.003.039.002.005.013
1  5 63.8 80.0 20.6 27.3 20.6  7
[A 233F12T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.870.037.026.005.038.003.009.012
1  5 25.7 87.7 20.6 27.3 20.6  7
[A 233F14T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.891.027.019.004.038.002.007.012
1  5 26.2 84.8 20.6 27.3 20.6  7
[A 233F14T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.887.029.020.004.038.003.007.012
1  5 22.5 94.2 20.6 27.3 20.6  7
[A 233F14T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.910.018.012.002.039.002.004.013
1  5 25.6 90.8 20.6 27.3 20.6  7
[A 233F14T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.881.032.022.004.038.003.008.012
1  5 29.6 80.0 20.6 27.3 20.6  7
[A 233F14T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.890.027.019.004.038.002.007.013
1  5 19.9 87.7 20.6 27.3 20.6  7
[A 233F16T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.897.024.017.003.039.002.006.012
1  5 20.4 84.8 20.6 27.3 20.6  7
[A 233F16T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5 18.1 94.2 20.6 27.3 20.6  7
```

```
[A 233F16T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.914.016.011.002.039.001.004.013
1  5 20.0 90.8 20.6 27.3 20.6  7
[A 233F16T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5 21.7 80.0 20.6 27.3 20.6  7
[A 233F16T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.904.020.014.003.039.002.005.013
1  5 12.3 87.7 20.6 27.3 20.6  7
[A 233F17T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.897.024.017.003.039.002.006.012
1  5 13.1 84.8 20.6 27.3 20.6  7
[A 233F17T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5  9.8 94.2 20.6 27.3 20.6  7
[A 233F17T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.914.016.011.002.039.001.004.013
1  5 12.6 90.8 20.6 27.3 20.6  7
[A 233F17T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.886.029.021.004.038.003.007.012
1  5 15.3 80.0 20.6 27.3 20.6  7
[A 233F17T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.905.019.014.003.039.002.005.013
1  5  9.0 87.7 20.6 27.3 20.6  7
[A 233F19T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.895.025.018.003.039.002.006.012
1  5  9.8 84.8 20.6 27.3 20.6  7
[A 233F19T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5  7.0 94.2 20.6 27.3 20.6  7
[A 233F19T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.912.017.012.002.039.001.004.013
1  5  9.2 90.8 20.6 27.3 20.6  7
[A 233F19T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.882.031.022.004.038.003.008.012
1  5 11.2 80.0 20.6 27.3 20.6  7
[A 233F19T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.903.021.014.003.039.002.005.013
```

```
1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Montgomery County, 2005 Proposed Control Strategy
1     tamflg
1     spdflg
2     vmflag
3     mymrfg
1     newflg
32        imflag
1     alhflg
8     atpflg
5     rlflag
1     locflg -- Must be 1
1     temflg
3     outfmt -- Must be 3; Overridden by PPAQ1
4     prtflg
1     idlflg
3     nmhflg
3     hcflag
.052 .087 .086 .093 .095 .095 .097 .088 .071 .058      * Distribution by Vehicle
.035 .025 .020 .018 .020 .015 .010 .006 .004 .003      * County:Montgomery
.004 .003 .002 .003 .010                               * Filename:     montage.da
.041 .059 .059 .071 .089 .090 .091 .101 .072 .059
.041 .030 .026 .024 .038 .030 .022 .014 .008 .008
.006 .006 .004 .004 .008
.046 .058 .064 .085 .115 .097 .080 .095 .072 .050
.032 .024 .021 .023 .038 .029 .020 .010 .009 .008
.009 .006 .004 .003 .004
.025 .038 .049 .066 .089 .098 .087 .089 .064 .053
.031 .030 .029 .034 .041 .029 .026 .015 .019 .018
.020 .015 .010 .009 .017
.052 .087 .086 .093 .095 .095 .097 .088 .071 .058
.035 .025 .020 .018 .020 .015 .010 .006 .004 .003
.004 .003 .002 .003 .010
.041 .059 .059 .071 .089 .090 .091 .101 .072 .059
.041 .030 .026 .024 .038 .030 .022 .014 .008 .008
.006 .006 .004 .004 .008
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.039 .050 .038 .040 .042 .036 .050 .075 .074 .052
.067 .436 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 20 75 20  3  3 096 1 1 2221 1211 220. 1.20 999.        Idle test I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00        ASM2 I/M Program
98 75 20 2221 11 096. 22212222                            ATP Program
98 81 20 2221 11 096.                                     Pressure
98 81 20 2221 11 096.                                     Purge
1  5 54.0 87.7 20.6 27.3 20.6  7
[A 461F 2T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.866.039.027.005.037.004.010.012
1  5 53.7 84.8 20.6 27.3 20.6  7
[A 461F 2T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.865.039.028.005.037.004.010.012
1  5 51.1 94.2 20.6 27.3 20.6  7
[A 461F 2T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.891.026.019.004.038.003.006.013
1  5 53.6 90.8 20.6 27.3 20.6  7
[A 461F 2T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
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.853.045.032.006.037.004.011.012
1  5 58.3 80.0 20.6 27.3 20.6  7
[A 461F 2T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.867.038.027.005.037.004.010.012
1  5 47.0 87.7 20.6 27.3 20.6  7
[A 461F 6T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.887.029.020.004.038.003.007.012
1  5 47.2 84.8 20.6 27.3 20.6  7
[A 461F 6T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.880.032.023.004.038.003.008.012
1  5 45.2 94.2 20.6 27.3 20.6  7
[A 461F 6T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.904.020.014.003.039.002.005.013
1  5 46.8 90.8 20.6 27.3 20.6  7
[A 461F 6T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.873.036.025.005.037.003.009.012
1  5 49.1 80.0 20.6 27.3 20.6  7
[A 461F 6T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.896.024.017.003.039.002.006.013
1  5 37.2 87.7 20.6 27.3 20.6  7
[A 461F 7T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.881.032.022.004.038.003.008.012
1  5 37.4 84.8 20.6 27.3 20.6  7
[A 461F 7T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.872.036.025.005.038.003.009.012
1  5 35.7 94.2 20.6 27.3 20.6  7
[A 461F 7T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.900.022.016.003.039.002.005.013
1  5 37.2 90.8 20.6 27.3 20.6  7
[A 461F 7T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.864.040.028.005.037.004.010.012
1  5 38.8 80.0 20.6 27.3 20.6  7
[A 461F 7T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.896.024.017.003.039.002.006.013
1  5 37.7 87.7 20.6 27.3 20.6  7
[A 461F 8T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.852.046.032.006.037.004.011.012
1  5 38.3 84.8 20.6 27.3 20.6  7
[A 461F 8T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.839.052.036.007.036.005.013.012
1  5 35.8 94.2 20.6 27.3 20.6  7
[A 461F 8T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.880.032.023.004.038.003.008.012
1  5 37.8 90.8 20.6 27.3 20.6  7
[A 461F 8T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.826.058.041.008.036.005.014.012
1  5 39.1 80.0 20.6 27.3 20.6  7
[A 461F 8T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.874.035.024.005.038.003.009.012
1  5 28.7 87.7 20.6 27.3 20.6  7
[A 461F 9T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.858.043.030.006.037.004.010.012
1  5 28.8 84.8 20.6 27.3 20.6  7
[A 461F 9T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.849.048.033.006.037.004.011.012
1  5 28.4 94.2 20.6 27.3 20.6  7
[A 461F 9T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
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1  5 28.7 90.8 20.6 27.3 20.6  7
[A 461F 9T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.836.054.037.007.036.005.013.012
1  5 29.0 80.0 20.6 27.3 20.6  7
[A 461F 9T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.881.032.022.004.038.003.008.012
1  5 65.0 87.7 20.6 27.3 20.6  7
[A 462F12T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.871.037.026.005.037.003.009.012
1  5 65.0 84.8 20.6 27.3 20.6  7
[A 462F12T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.882.031.022.004.038.003.007.013
1  5 65.0 94.2 20.6 27.3 20.6  7
[A 462F12T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.891.027.018.004.038.002.007.013
1  5 65.0 90.8 20.6 27.3 20.6  7
[A 462F12T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.877.033.023.005.038.003.008.013
1  5 65.0 80.0 20.6 27.3 20.6  7
[A 462F12T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.823.059.041.008.036.006.015.012
1  5 57.8 87.7 20.6 27.3 20.6  7
[A 462F14T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.893.026.018.004.039.002.006.012
1  5 57.9 84.8 20.6 27.3 20.6  7
[A 462F14T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.890.028.019.004.038.002.007.012
1  5 56.5 94.2 20.6 27.3 20.6  7
[A 462F14T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.913.017.011.002.039.001.004.013
1  5 57.7 90.8 20.6 27.3 20.6  7
[A 462F14T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5 59.2 80.0 20.6 27.3 20.6  7
[A 462F14T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.892.026.018.004.039.002.006.013
1  5 30.4 87.7 20.6 27.3 20.6  7
[A 462F16T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5 30.6 84.8 20.6 27.3 20.6  7
[A 462F16T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.880.032.023.004.038.003.008.012
1  5 29.7 94.2 20.6 27.3 20.6  7
[A 462F16T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.909.018.013.002.039.002.004.013
1  5 30.4 90.8 20.6 27.3 20.6  7
[A 462F16T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.876.034.024.005.038.003.008.012
1  5 31.2 80.0 20.6 27.3 20.6  7
[A 462F16T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.898.023.016.003.039.002.006.013
1  5 25.7 87.7 20.6 27.3 20.6  7
[A 462F17T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.897.024.017.003.039.002.006.012
1  5 25.8 84.8 20.6 27.3 20.6  7
[A 462F17T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.889.028.020.004.038.002.007.012
1  5 25.1 94.2 20.6 27.3 20.6  7
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[A 462F17T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.914.016.011.002.039.001.004.013
1  5 25.6 90.8 20.6 27.3 20.6  7
[A 462F17T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5 26.3 80.0 20.6 27.3 20.6  7
[A 462F17T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.904.020.014.003.039.002.005.013
1  5 23.5 87.7 20.6 27.3 20.6  7
[A 462F19T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.897.024.017.003.039.002.006.012
1  5 23.5 84.8 20.6 27.3 20.6  7
[A 462F19T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.890.028.019.004.038.002.007.012
1  5 23.5 94.2 20.6 27.3 20.6  7
[A 462F19T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.914.016.011.002.039.001.004.013
1  5 23.5 90.8 20.6 27.3 20.6  7
[A 462F19T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.886.029.021.004.038.003.007.012
1  5 23.6 80.0 20.6 27.3 20.6  7
[A 462F19T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.906.019.013.003.039.002.005.013
1  5 50.5 87.7 20.6 27.3 20.6  7
[A 463F11T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.830.056.039.008.036.005.014.012
1  5 55.5 84.8 20.6 27.3 20.6  7
[A 463F11T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.850.046.032.007.037.004.012.012
1  5 38.8 94.2 20.6 27.3 20.6  7
[A 463F11T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.863.040.028.005.038.004.010.012
1  5 50.4 90.8 20.6 27.3 20.6  7
[A 463F11T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.843.050.035.007.036.005.012.012
1  5 64.0 80.0 20.6 27.3 20.6  7
[A 463F11T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.766.088.062.012.032.008.022.010
1  5 55.6 87.7 20.6 27.3 20.6  7
[A 463F12T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.886.029.020.004.038.003.007.013
1  5 58.6 84.8 20.6 27.3 20.6  7
[A 463F12T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.897.023.017.003.039.002.006.013
1  5 47.3 94.2 20.6 27.3 20.6  7
[A 463F12T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.903.021.014.003.039.002.005.013
1  5 55.6 90.8 20.6 27.3 20.6  7
[A 463F12T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.894.025.018.003.039.002.006.013
1  5 63.3 80.0 20.6 27.3 20.6  7
[A 463F12T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.853.045.032.006.037.004.011.012
1  5 26.7 87.7 20.6 27.3 20.6  7
[A 463F14T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.901.022.015.003.039.002.005.013
1  5 27.0 84.8 20.6 27.3 20.6  7
[A 463F14T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
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.899.023.016.003.039.002.006.012
1  5 24.2 94.2 20.6 27.3 20.6  7
[A 463F14T 2   .] C  91.  96.  8.7  8.7 20 1 1 2
.917.014.010.002.040.001.003.013
1  5 26.6 90.8 20.6 27.3 20.6  7
[A 463F14T 3  . ] C  87.  93.  8.7  8.7 20 1 1 2
.895.026.018.003.038.002.006.012
1  5 29.9 80.0 20.6 27.3 20.6  7
[A 463F14T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.901.022.015.003.039.002.005.013
1  5 19.0 87.7 20.6 27.3 20.6  7
[A 463F16T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.897.024.017.003.039.002.006.012
1  5 19.7 84.8 20.6 27.3 20.6  7
[A 463F16T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5 16.7 94.2 20.6 27.3 20.6  7
[A 463F16T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.914.016.011.002.039.001.004.013
1  5 19.2 90.8 20.6 27.3 20.6  7
[A 463F16T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.887.029.020.004.038.003.007.012
1  5 21.3 80.0 20.6 27.3 20.6  7
[A 463F16T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.906.019.013.003.039.002.005.013
1  5 12.6 87.7 20.6 27.3 20.6  7
[A 463F17T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.895.026.018.003.038.002.006.012
1  5 13.3 84.8 20.6 27.3 20.6  7
[A 463F17T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.884.030.021.004.038.003.008.012
1  5 10.3 94.2 20.6 27.3 20.6  7
[A 463F17T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.912.017.012.002.039.001.004.013
1  5 12.7 90.8 20.6 27.3 20.6  7
[A 463F17T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.881.032.022.004.038.003.008.012
1  5 15.3 80.0 20.6 27.3 20.6  7
[A 463F17T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.902.021.015.003.039.002.005.013
1  5 10.0 87.7 20.6 27.3 20.6  7
[A 463F19T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.854.045.031.006.037.004.011.012
1  5 10.3 84.8 20.6 27.3 20.6  7
[A 463F19T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.840.052.036.007.036.005.013.011
1  5  8.5 94.2 20.6 27.3 20.6  7
[A 463F19T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.886.030.021.004.037.002.008.012
1  5 10.1 90.8 20.6 27.3 20.6  7
[A 463F19T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.834.055.039.007.036.005.013.011
1  5 11.6 80.0 20.6 27.3 20.6  7
[A 463F19T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.873.036.025.005.037.003.009.012
```

```
1       PROMPT [LITE1 VERSION 3.17 ] [M5INPUT ]
Philadelphia County, 2005 Proposed Control Strategy
1     tamflg
1     spdflg
2     vmflag
3     mymrfg
1     newflg
32        imflag
1     alhflg
8     atpflg
5     rlflag
1     locflg -- Must be 1
1     temflg
3     outfmt -- Must be 3; Overridden by PPAQ1
4     prtflg
1     idlflg
3     nmhflg
3     hcflag
.037 .054 .056 .064 .070 .080 .085 .088 .081 .077      * Distribution by Vehicle
.053 .042 .038 .035 .038 .031 .023 .014 .007 .006      * County:Philadelphia
.005 .004 .003 .003 .006                               * Filename:     philage.da
.024 .039 .043 .051 .062 .070 .076 .092 .072 .066
.052 .040 .036 .039 .058 .046 .035 .023 .016 .015
.011 .008 .006 .007 .011
.027 .059 .052 .076 .076 .082 .081 .092 .069 .052
.037 .035 .032 .031 .046 .044 .024 .015 .012 .017
.014 .009 .005 .003 .007
.016 .036 .033 .041 .065 .074 .096 .076 .072 .048
.044 .042 .034 .038 .052 .026 .022 .025 .042 .029
.024 .016 .015 .020 .010
.037 .054 .056 .064 .070 .080 .085 .088 .081 .077
.053 .042 .038 .035 .038 .031 .023 .014 .007 .006
.005 .004 .003 .003 .006
.024 .039 .043 .051 .062 .070 .076 .092 .072 .066
.052 .040 .036 .039 .058 .046 .035 .023 .016 .015
.011 .008 .006 .007 .011
.034 .067 .067 .067 .067 .073 .061 .040 .041 .051
.053 .066 .055 .057 .045 .019 .023 .028 .024 .016
.011 .009 .007 .005 .016
.039 .051 .032 .039 .040 .042 .066 .076 .081 .055
.062 .420 .000 .000 .000 .000 .000 .000 .000 .000
.000 .000 .000 .000 .000
84 20 75 20  3  3 096 1 1 2221 1211 220. 1.20 999.      Idle test I/M Record
84 20 81 20  3  3 096 1 1 2221 3211 50.0 15.0 1.00      ASM2 I/M Program
98 75 20 2221 11 096. 22212222                          ATP Program
98 81 20 2221 11 096.                                   Pressure
98 81 20 2221 11 096.                                   Purge
1  5 46.7 87.7 20.6 27.3 20.6  7
[A 673F11T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.814.064.045.009.035.006.016.011
1  5 52.2 84.8 20.6 27.3 20.6  7
[A 673F11T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.837.053.037.007.036.005.013.012
1  5 34.0 94.2 20.6 27.3 20.6  7
[A 673F11T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.851.046.032.006.037.004.012.012
1  5 46.6 90.8 20.6 27.3 20.6  7
[A 673F11T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
```

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.829.057.040.008.036.005.014.011
1  5 63.4 80.0 20.6 27.3 20.6  7
[A 673F11T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.738.101.071.014.032.009.025.010
1  5 58.5 87.7 20.6 27.3 20.6  7
[A 673F12T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.896.025.017.003.039.002.006.012
1  5 60.8 84.8 20.6 27.3 20.6  7
[A 673F12T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.903.020.015.003.039.002.005.013
1  5 52.3 94.2 20.6 27.3 20.6  7
[A 673F12T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.909.018.013.002.039.002.004.013
1  5 58.6 90.8 20.6 27.3 20.6  7
[A 673F12T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.901.022.015.003.039.002.006.012
1  5 63.7 80.0 20.6 27.3 20.6  7
[A 673F12T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.865.039.028.005.037.004.010.012
1  5 20.2 87.7 20.6 27.3 20.6  7
[A 673F14T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.890.028.019.004.038.002.007.012
1  5 21.3 84.8 20.6 27.3 20.6  7
[A 673F14T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.885.030.021.004.038.003.007.012
1  5 15.2 94.2 20.6 27.3 20.6  7
[A 673F14T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.910.018.012.002.039.002.004.013
1  5 20.4 90.8 20.6 27.3 20.6  7
[A 673F14T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.880.032.023.004.038.003.008.012
1  5 28.9 80.0 20.6 27.3 20.6  7
[A 673F14T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.890.027.019.004.038.002.007.013
1  5 13.9 87.7 20.6 27.3 20.6  7
[A 673F16T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.899.023.016.003.039.002.006.012
1  5 14.6 84.8 20.6 27.3 20.6  7
[A 673F16T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.891.026.019.004.038.003.007.012
1  5 11.0 94.2 20.6 27.3 20.6  7
[A 673F16T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.916.015.010.002.039.001.004.013
1  5 13.7 90.8 20.6 27.3 20.6  7
[A 673F16T 3    ] C  87.  93.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5 18.9 80.0 20.6 27.3 20.6  7
[A 673F16T 4    ] C  71.  85.  8.7  8.7 20 1 1 2
.907.018.013.003.039.002.005.013
1  5 14.3 87.7 20.6 27.3 20.6  7
[A 673F17T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.899.023.016.003.039.002.006.012
1  5 14.8 84.8 20.6 27.3 20.6  7
[A 673F17T 1    ] C  80.  87.  8.7  8.7 20 1 1 2
.890.027.019.004.038.003.007.012
1  5 12.7 94.2 20.6 27.3 20.6  7
[A 673F17T 2    ] C  91.  96.  8.7  8.7 20 1 1 2
.916.015.010.002.039.001.004.013
```

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1  5 14.4 90.8 20.6 27.3 20.6  7
[A 673F17T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.888.028.020.004.038.003.007.012
1  5 16.1 80.0 20.6 27.3 20.6  7
[A 673F17T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.907.018.013.003.039.002.005.013
1  5 10.0 87.7 20.6 27.3 20.6  7
[A 673F19T 24HR] C  71.  96.  8.7  8.7 20 1 1 2
.895.025.018.004.038.002.006.012
1  5 10.3 84.8 20.6 27.3 20.6  7
[A 673F19T 1   ] C  80.  87.  8.7  8.7 20 1 1 2
.886.029.021.004.038.003.007.012
1  5  9.0 94.2 20.6 27.3 20.6  7
[A 673F19T 2   ] C  91.  96.  8.7  8.7 20 1 1 2
.912.016.012.002.039.002.004.013
1  5 10.1 90.8 20.6 27.3 20.6  7
[A 673F19T 3   ] C  87.  93.  8.7  8.7 20 1 1 2
.882.031.022.004.038.003.008.012
1  5 11.2 80.0 20.6 27.3 20.6  7
[A 673F19T 4   ] C  71.  85.  8.7  8.7 20 1 1 2
.903.021.014.003.039.002.005.013
```

Philadelphia 5-County Area MOBILE Output Files
2005 Control Strategy Scenario

Bucks County MOBILE Output Files
2005 Control Strategy Scenario

MOBILE5 Processing Report

MOB5a_H I/M Program Options (Nov-95)

M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
0.999 MYR sum not = 1. (will normalize)
M 49 Warning:
0.999 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M114 Warning:
Purge Check emission benefits assume the use of a dynomometer and the IM240 transient test procedure driving cycle.

I/M program #1 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1975
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #1 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Idle
Cutpoints, HC: 220.000
Cutpoints, CO: 1.200
Cutpoints, NOx: 999.000

I/M program #2 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1981
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #2 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Loaded / Idle
Cutpoints, HC: 50.000
Cutpoints, CO: 15.000
Cutpoints, NOx: 1.000

Functional Check Program Description:

Check	Start (Jan1)	Model Yrs Covered	Vehicle Classes Covered LDGV	LDGT1	LDGT2	HDGV	Inspection Type	Freq	Comp Rate
Press	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
Purge	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
ATP	1998	1975-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%

Air pump system disablements:	Yes	Catalyst removals:	Yes
Fuel inlet restrictor disablements:	Yes	Tailpipe lead deposit test:	No
EGR disablement:	Yes	Evaporative system disablements:	Yes
PCV system disablements:	Yes	Missing gas caps:	Yes

VOC HC emission factors include all evaporative HC emission factors, except for refueling emissions.

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 2T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.6	55.6	55.6		55.6	55.6	55.6	55.6	55.6	
VMT Mix:	0.859	0.042	0.030		0.006	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.51	0.55	0.52	1.49	0.24	0.34	0.96	6.53	0.477
Exhaust HC:	0.25	0.35	0.40	0.37	0.47	0.24	0.34	0.96	1.43	0.282
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.134
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.020
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	2.56	3.52	4.04	3.73	11.73	0.71	0.80	5.57	11.08	2.758
Exhaust NOX:	1.17	1.43	1.69	1.54	5.29	1.37	1.53	9.53	1.32	1.311

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

+++

THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 91F 2T 1]
Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.4	55.4	55.4		55.4	55.4	55.4	55.4	55.4	
VMT Mix:	0.857	0.043	0.030		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.46	0.50	0.48	1.21	0.24	0.34	0.96	4.27	0.415
Exhaust HC:	0.25	0.35	0.40	0.37	0.47	0.24	0.34	0.96	1.41	0.281
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.083
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.07					0.014
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	2.51	3.46	3.97	3.67	11.44	0.71	0.80	5.55	9.85	2.700
Exhaust NOX:	1.15	1.41	1.67	1.52	5.26	1.36	1.52	9.47	1.36	1.309

Evaporative Emissions by Component   Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59
Multiple	1.95	2.09	2.07	2.08	12.00				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.04	0.04	0.04	0.05				0.17

++

DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19
HC,NoDiurnal	0.34	0.44	0.49	0.99				4.08
DailyDiurnal	0.02	0.03	0.03	0.34				1.53
Temperature Rise Share = 31.25%								
DiurnalShare	0.01	0.01	0.01	0.11				0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.35	0.45	0.49		1.10	0.24	0.34	0.96	4.56
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

++

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 91F 2T 2]   Minimum Temp: 91. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	53.5	53.5	53.5		53.5	53.5	53.5	53.5	53.5	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.49	0.53	0.51	1.52	0.24	0.34	0.98	5.47	0.445
Exhaust HC:	0.25	0.34	0.40	0.36	0.49	0.24	0.34	0.98	1.37	0.271
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.03	0.03	0.03	0.14					0.023
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.049
Exhaust CO:	2.42	3.34	3.82	3.54	11.68	0.70	0.78	5.44	10.59	2.561
Exhaust NOX:	1.11	1.35	1.60	1.45	5.24	1.28	1.44	8.96	1.20	1.210

Evaporative Emissions by Component   Weathered RVP: 6.9   Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.36	0.47	0.52	1.30				5.29		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.36	0.47	0.52		1.33	0.24	0.34	0.98	5.39	
Evaporat HC:	0.05	0.05	0.05		0.64				3.24	
WtDiurnal	0.04	0.05	0.07		0.87				0.88	

++

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 91F 2T 3   ]

Period 1 RVP: 8.7   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.4	55.4	55.4		55.4	55.4	55.4	55.4	55.4	
VMT Mix:	0.844	0.050	0.035		0.007	0.036	0.004	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.48	0.52	0.50	1.40	0.24	0.34	0.96	5.11	0.445
Exhaust HC:	0.25	0.35	0.40	0.37	0.48	0.24	0.34	0.96	1.41	0.283
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.098
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.020
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	2.51	3.46	3.97	3.67	11.78	0.71	0.80	5.55	10.96	2.744
Exhaust NOX:	1.16	1.42	1.69	1.53	5.29	1.36	1.52	9.47	1.30	1.333

Evaporative Emissions by Component   Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22	
HC,NoDiurnal	0.36	0.46	0.51	1.18				4.89	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =	24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.36	0.47	0.51		1.26	0.24	0.34	0.96	5.26
Evaporat HC:	0.05	0.06	0.05		0.62				3.14
WtDiurnal	0.15	0.19	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 2T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	58.8	58.8	58.8		58.8	58.8	58.8	58.8	58.8	
VMT Mix:	0.860	0.042	0.029		0.006	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.48	0.54	0.51	1.15	0.23	0.33	0.95	4.58	0.439
Exhaust HC:	0.28	0.38	0.44	0.40	0.47	0.23	0.33	0.95	1.75	0.313
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.02	0.01	0.06					0.012
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.033
Exhaust CO:	3.31	4.47	5.19	4.76	12.36	0.75	0.84	5.86	16.22	3.543
Exhaust NOX:	1.24	1.55	1.83	1.66	5.36	1.52	1.71	10.60	1.52	1.406

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50
Multiple	1.98	2.12	2.10	2.12	14.48				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.03	0.04	0.04	0.04	0.05				0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54	
HC,NoDiurnal	0.36	0.46	0.52	0.90				4.04	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share = 37.50%									
DiurnalShare	0.01	0.01	0.01	0.13				0.57	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.37	0.47	0.54		1.03	0.23	0.33	0.95	4.61
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 91F 6T 24HR]

	Minimum Temp: 71. (F)	Maximum Temp: 96. (F)
Period 1 RVP: 8.7	Period 2 RVP: 8.7	Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	47.7	47.7	47.7		47.7	47.7	47.7	47.7	47.7	
VMT Mix:	0.872	0.036	0.025		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.51	0.55	0.53	1.57	0.26	0.36	1.04	6.47	0.477
Exhaust HC:	0.25	0.34	0.40	0.36	0.52	0.26	0.36	1.04	1.37	0.277
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.133
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.15					0.026
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	2.44	3.37	3.85	3.56	10.37	0.68	0.76	5.31	9.73	2.594
Exhaust NOX:	0.95	1.11	1.32	1.20	5.01	1.12	1.26	7.80	1.06	1.058

Evaporative Emissions by Component   Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	,138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 91F 6T 1]   Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	47.9	47.9	47.9		47.9	47.9	47.9	47.9	47.9	
VMT Mix:	0.864	0.040	0.028		0.006	0.037	0.003	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.46	0.51	0.48	1.28	0.26	0.36	1.03	4.23	0.416
Exhaust HC:	0.25	0.34	0.40	0.36	0.51	0.26	0.36	1.03	1.38	0.278
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.083
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.018
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	2.43	3.35	3.83	3.55	10.17	0.68	0.76	5.31	9.00	2.589
Exhaust NOX:	0.95	1.11	1.31	1.19	4.99	1.12	1.26	7.83	1.09	1.068

Evaporative Emissions by Component   Weathered RVP: 7.2   Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19		
HC,NoDiurnal	0.34	0.44	0.50	1.06				4.04		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.45	0.50		1.17	0.26	0.36	1.03	4.52	
Evaporat HC:	0.06	0.05	0.04		0.52				2.55	
WtDiurnal	0.19	0.25	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes   ASTM Class: C

[A 91F 6T 2   ]

Minimum Temp: 91. (F)   Maximum Temp: 96. (F)

Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	46.4	46.4	46.4		46.4	46.4	46.4	46.4	46.4	
VMT Mix:	0.897	0.024	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.51	0.55	0.52	1.62	0.26	0.37	1.06	5.48	0.460
Exhaust HC:	0.25	0.35	0.40	0.37	0.54	0.26	0.37	1.06	1.38	0.278
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.04	0.04	0.04	0.18					0.032
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.049
Exhaust CO:	2.55	3.48	3.98	3.69	10.73	0.68	0.77	5.32	10.85	2.662
Exhaust NOX:	0.96	1.12	1.32	1.20	4.98	1.09	1.23	7.61	1.01	1.026

Evaporative Emissions by Component   Weathered RVP: 6.9

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.38	0.49	0.54	1.40				5.30		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.38	0.49	0.54		1.43	0.26	0.37	1.06	5.40	
Evaporat HC:	0.05	0.05	0.05		0.64				3.24	
WtDiurnal	0.04	0.05	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 6T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	47.5	47.5	47.5		47.5	47.5	47.5	47.5	47.5	
VMT Mix:	0.857	0.043	0.030		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.48	0.53	0.50	1.48	0.26	0.36	1.04	5.08	0.448
Exhaust HC:	0.25	0.34	0.40	0.37	0.52	0.26	0.36	1.04	1.37	0.281
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.097
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.15					0.026
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	2.46	3.38	3.87	3.58	10.45	0.68	0.76	5.31	10.07	2.641
Exhaust NOX:	0.96	1.11	1.32	1.20	5.01	1.11	1.25	7.77	1.04	1.081

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22	
HC,NoDiurnal	0.36	0.46	0.52	1.26				4.86	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share = 24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.36	0.47	0.52		1.34	0.26	0.36	1.04	5.23
Evaporat HC:	0.05	0.06	0.05		0.62				3.14
WtDiurnal	0.15	0.19	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 91F 6T 4]
Period 1 RVP: 8.7   Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	49.3	49.3	49.3		49.3	49.3	49.3	49.3	49.3	
VMT Mix:	0.885	0.029	0.021		0.004	0.038	0.003	0.007	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.34	0.45	0.50	0.47	1.21	0.25	0.35	1.02	4.21	0.405
Exhaust HC:	0.25	0.34	0.40	0.36	0.50	0.25	0.35	1.02	1.38	0.273
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.08					0.016
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	2.42	3.34	3.82	3.54	10.13	0.68	0.76	5.31	8.47	2.536
Exhaust NOX:	0.98	1.15	1.37	1.24	5.03	1.16	1.30	8.07	1.17	1.070

Evaporative Emissions by Component   Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.28	0.30	0.30	0.30	2.20	8.64
WtDiurnal	0.36	0.49	0.52	0.50	9.11	4.50
Multiple	1.98	2.12	2.10	2.12	14.48	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.05	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.02	0.25	0.54
HC,NoDiurnal	0.33	0.43	0.48	0.96	3.67
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.13	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.34	0.44	0.50		1.09	0.25	0.35	1.02	4.24
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 7T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.4	37.4	37.4		37.4	37.4	37.4	37.4	37.4	
VMT Mix:	0.882	0.031	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.48	0.60	0.65	0.62	1.79	0.31	0.43	1.24	6.64	0.564
Exhaust HC:	0.31	0.41	0.47	0.44	0.68	0.31	0.43	1.24	1.54	0.338
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.06	0.05	0.21					0.052
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	3.48	4.51	5.10	4.76	10.85	0.76	0.85	5.92	12.17	3.594
Exhaust NOX:	0.94	1.11	1.31	1.19	4.65	0.98	1.10	6.86	0.99	1.018

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 91F 7T 1]
Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.7	37.7	37.7		37.7	37.7	37.7	37.7	37.7	
VMT Mix:	0.873	0.035	0.025		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.54	0.60	0.56	1.47	0.30	0.43	1.23	4.40	0.495
Exhaust HC:	0.31	0.41	0.47	0.43	0.67	0.30	0.43	1.23	1.54	0.338
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.04	0.04	0.04	0.13					0.037
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	3.45	4.47	5.06	4.72	10.58	0.75	0.85	5.88	11.19	3.563
Exhaust NOX:	0.94	1.10	1.30	1.19	4.63	0.99	1.11	6.87	1.03	1.026

Evaporative Emissions by Component   Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.30	0.33	0.34	0.34	2.55	10.56
WtDiurnal	0.34	0.46	0.49	0.47	7.98	1.59
Multiple	1.95	2.09	2.07	2.08	12.00	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.04	0.04	0.04	0.05	0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.19
HC,NoDiurnal	0.42	0.52	0.59	1.25	4.21
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 31.25%					
DiurnalShare	0.01	0.01	0.01	0.11	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.43	0.53	0.59		1.36	0.30	0.43	1.23	4.69
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 7T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	35.8	35.8	35.8		35.8	35.8	35.8	35.8	35.8	
VMT Mix:	0.901	0.022	0.015		0.003	0.039	0.002	0.005	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.49	0.61	0.67	0.63	1.88	0.32	0.45	1.29	5.69	0.565
Exhaust HC:	0.32	0.42	0.49	0.45	0.74	0.32	0.45	1.29	1.59	0.348
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.105
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.07	0.07	0.25					0.063
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	3.70	4.75	5.36	5.00	11.63	0.78	0.88	6.12	14.00	3.799
Exhaust NOX:	0.94	1.11	1.32	1.20	4.61	0.98	1.10	6.82	0.94	0.994

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.48	0.59	0.66	1.66				5.51		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.48	0.59	0.66		1.69	0.32	0.45	1.29	5.61	
Evaporat HC:	0.05	0.05	0.05		0.64				3.24	
WtDiurnal	0.04	0.05	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 7T 3]
Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.4	37.4	37.4		37.4	37.4	37.4	37.4	37.4	
VMT Mix:	0.864	0.040	0.028		0.005	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.46	0.57	0.63	0.60	1.70	0.31	0.43	1.24	5.25	0.535
Exhaust HC:	0.31	0.41	0.47	0.44	0.68	0.31	0.43	1.24	1.54	0.343
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.21					0.052
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	3.48	4.51	5.10	4.76	10.95	0.76	0.85	5.92	12.56	3.630
Exhaust NOX:	0.94	1.11	1.31	1.19	4.65	0.98	1.10	6.86	0.98	1.040

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.35	0.40	0.41	0.41	3.30	14.19
WtDiurnal	0.34	0.46	0.48	0.46	8.07	1.83
Multiple	1.95	2.14	2.12	2.14	12.22	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22	
HC,NoDiurnal	0.45	0.55	0.62	1.48				5.03	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =	24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37	
Adjusted HC Emission Factors:									
VOC HC:	0.45	0.56	0.62		1.56	0.31	0.43	1.24	5.40
Evaporat HC:	0.05	0.06	0.05		0.62				3.14
WtDiurnal	0.15	0.19	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 7T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.0	39.0	39.0		39.0	39.0	39.0	39.0	39.0	
VMT Mix:	0.898	0.023	0.017		0.003	0.038	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.41	0.52	0.57	0.54	1.38	0.30	0.42	1.20	4.34	0.472
Exhaust HC:	0.30	0.40	0.46	0.42	0.64	0.30	0.42	1.20	1.51	0.323
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.11					0.033
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	3.29	4.30	4.86	4.54	10.22	0.74	0.83	5.75	10.16	3.360
Exhaust NOX:	0.93	1.10	1.30	1.18	4.66	0.99	1.12	6.93	1.07	0.995

Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

Evaporative Emissions by Component
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.52	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54		
HC,NoDiurnal	0.40	0.50	0.55	1.13				3.80		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =		37.50%								
DiurnalShare	0.01	0.01	0.01	0.13				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.41	0.51	0.57		1.26	0.30	0.42	1.20	4.37	
Evaporat HC:	0.05	0.05	0.05		0.47				2.33	
WtDiurnal	0.23	0.30	0.38		4.68				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 91F 8T 24HR]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	34.7	34.7	34.7		34.7	34.7	34.7	34.7	34.7	
VMT Mix:	0.872	0.036	0.025		0.005	0.038	0.003	0.009	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.51	0.63	0.68	0.65	1.89	0.33	0.46	1.32	6.73	0.599
Exhaust HC:	0.33	0.43	0.50	0.46	0.75	0.33	0.46	1.32	1.63	0.364
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.133
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.06	0.06	0.06	0.23					0.060
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	3.86	4.93	5.55	5.18	11.41	0.80	0.90	6.29	13.27	3.988
Exhaust NOX:	0.93	1.11	1.31	1.19	4.55	0.98	1.10	6.80	0.97	1.024

Evaporative Emissions by Component Weathered RVP: 7.1

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)

Running Loss Temp: 92.5 (F)

Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 8T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	35.9	35.9	35.9		35.9	35.9	35.9	35.9	35.9	
VMT Mix:	0.864	0.040	0.028		0.005	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.45	0.56	0.62	0.58	1.52	0.32	0.45	1.29	4.45	0.516
Exhaust HC:	0.32	0.42	0.49	0.45	0.71	0.32	0.45	1.29	1.60	0.355
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.04	0.04	0.04	0.14					0.041
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	3.69	4.74	5.34	4.99	10.91	0.78	0.88	6.11	11.84	3.814
Exhaust NOX:	0.93	1.10	1.30	1.18	4.57	0.98	1.10	6.82	1.01	1.030

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19		
HC,NoDiurnal	0.44	0.54	0.61	1.30				4.26		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	31.25%									
DiurnalShare	0.01	0.01	0.01	0.11				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.45	0.55	0.61		1.41	0.32	0.45	1.29	4.74	
Evaporat HC:	0.06	0.05	0.04		0.52				2.55	
WtDiurnal	0.19	0.25	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 8T 2]

Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	30.7	30.7	30.7		30.7	30.7	30.7	30.7	30.7	
VMT Mix:	0.895	0.025	0.018		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.56	0.68	0.74	0.71	2.11	0.36	0.51	1.47	5.89	0.629
Exhaust HC:	0.37	0.48	0.55	0.51	0.91	0.36	0.51	1.47	1.79	0.400
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.08	0.09	0.08	0.30					0.079
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.049
Exhaust CO:	4.54	5.68	6.37	5.97	13.20	0.90	1.01	7.05	16.79	4.637
Exhaust NOX:	0.93	1.11	1.31	1.19	4.42	0.98	1.10	6.85	0.89	0.991

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52
Multiple	1.93	2.16	2.14	2.15	11.96				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.05	0.06	0.06	0.06	0.07				0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18	
HC,NoDiurnal	0.55	0.66	0.73	1.89				5.71	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =	6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.55	0.66	0.73		1.92	0.36	0.51	1.47	5.81
Evaporat HC:	0.05	0.05	0.05		0.64				3.24
WtDiurnal	0.04	0.05	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 8T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	35.1	35.1	35.1	.	35.1	35.1	35.1	35.1	35.1	
VMT Mix:	0.853	0.045	0.032		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.49	0.60	0.66	0.62	1.78	0.32	0.46	1.31	5.32	0.565
Exhaust HC:	0.33	0.43	0.50	0.46	0.74	0.32	0.46	1.31	1.62	0.365
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.097
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.06	0.06	0.06	0.22					0.058
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	3.80	4.86	5.48	5.12	11.42	0.80	0.90	6.23	13.52	3.968
Exhaust NOX:	0.94	1.11	1.31	1.19	4.57	0.98	1.10	6.81	0.96	1.046

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.48	0.58	0.65	1.56				5.10		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.48	0.59	0.65		1.64	0.32	0.46	1.31	5.47	
Evaporat HC:	0.05	0.06	0.05		0.62				3.14	
WtDiurnal	0.15	0.19	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 8T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	38.3	38.3	38.3		38.3	38.3	38.3	38.3	38.3	
VMT Mix:	0.890	0.027	0.019		0.004	0.038	0.003	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.42	0.53	0.58	0.55	1.40	0.30	0.42	1.22	4.36	0.480
Exhaust HC:	0.30	0.40	0.47	0.43	0.65	0.30	0.42	1.22	1.53	0.330
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.03	0.03	0.03	0.12					0.034
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	3.37	4.39	4.97	4.63	10.31	0.74	0.84	5.82	10.36	3.455
Exhaust NOX:	0.93	1.10	1.30	1.18	4.64	0.99	1.11	6.90	1.06	0.999

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.28	0.30	0.30	0.30	2.20	8.64
WtDiurnal	0.36	0.49	0.52	0.50	9.11	4.50
Multiple	1.98	2.12	2.10	2.12	14.48	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.05	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.02	0.25	0.54
HC,NoDiurnal	0.41	0.51	0.56	1.15	3.82
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.13	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.42	0.52	0.58		1.28	0.30	0.42	1.22	4.39
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 9T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.7	25.7	25.7		25.7	25.7	25.7	25.7	25.7	
VMT Mix:	0.864	0.040	0.028		0.005	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.64	0.77	0.85	0.80	2.37	0.42	0.60	1.71	7.14	0.743
Exhaust HC:	0.43	0.55	0.64	0.59	1.15	0.42	0.60	1.71	2.04	0.481
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.133
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.09	0.08	0.32					0.088
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	5.68	6.94	7.74	7.27	15.16	1.08	1.22	8.46	18.76	5.830
Exhaust NOX:	0.91	1.10	1.30	1.18	4.23	1.02	1.15	7.13	0.85	1.012

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

Daily Diurnal Emissions (g/veh/day):										
	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):										
	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):										
	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 9T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.8	26.8	26.8		26.8	26.8	26.8	26.8	26.8	
VMT Mix:	0.854	0.045	0.031		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.57	0.68	0.76	0.72	1.94	0.41	0.57	1.65	4.84	0.646
Exhaust HC:	0.42	0.53	0.62	0.57	1.07	0.41	0.57	1.65	1.99	0.466
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.083
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.06	0.05	0.19					0.060
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	5.39	6.62	7.40	6.94	14.20	1.04	1.16	8.10	16.64	5.547
Exhaust NOX:	0.91	1.09	1.29	1.18	4.25	1.01	1.13	7.04	0.90	1.022

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59
Multiple	1.95	2.09	2.07	2.08	12.00				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.04	0.04	0.04	0.05				0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19	
HC,NoDiurnal	0.56	0.66	0.75	1.72				4.65	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =	31.25%								
DiurnalShare	0.01	0.01	0.01	0.11				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.57	0.67	0.75		1.83	0.41	0.57	1.65	5.13
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 9T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	22.5	22.5	22.5		22.5	22.5	22.5	22.5	22.5	
VMT Mix:	0.889	0.028	0.020		0.004	0.038	0.002	0.007	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.71	0.85	0.94	0.88	2.71	0.47	0.66	1.90	6.34	0.796
Exhaust HC:	0.49	0.62	0.71	0.66	1.41	0.47	0.66	1.90	2.24	0.535
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.12	0.11	0.12	0.11	0.41					0.110
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.049
Exhaust CO:	6.67	8.04	8.95	8.42	18.25	1.25	1.40	9.75	23.57	6.812
Exhaust NOX:	0.90	1.10	1.30	1.18	4.13	1.07	1.20	7.45	0.77	0.981

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.70	0.83	0.93	2.49				6.16		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.70	0.83	0.93		2.52	0.47	0.66	1.90	6.26	
Evaporat HC:	0.05	0.05	0.05		0.64				3.24	
WtDiurnal	0.04	0.05	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 9T 3]

Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.1	26.1	26.1		26.1	26.1	26.1	26.1	26.1	
VMT Mix:	0.843	0.050	0.035		0.007	0.036	0.005	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.62	0.74	0.81	0.77	2.24	0.42	0.59	1.69	5.72	0.708
Exhaust HC:	0.43	0.55	0.63	0.58	1.13	0.42	0.59	1.69	2.02	0.481
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.098
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.09	0.08	0.30					0.085
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	5.57	6.82	7.62	7.15	15.05	1.07	1.20	8.33	19.06	5.781
Exhaust NOX:	0.91	1.10	1.30	1.18	4.25	1.02	1.14	7.09	0.85	1.039

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.35	0.40	0.41	0.41	3.30	14.19
WtDiurnal	0.34	0.46	0.48	0.46	8.07	1.83
Multiple	1.95	2.14	2.12	2.14	12.22	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.22
HC,NoDiurnal	0.61	0.72	0.80	2.02	5.50
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.61	0.73	0.80		2.10	0.42	0.59	1.69	5.87
Evaporat HC:	0.05	0.06	0.05		0.62				3.14
WtDiurnal	0.15	0.19	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 91F 9T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.4	28.4	28.4		28.4	28.4	28.4	28.4	28.4	
VMT Mix:	0.884	0.030	0.021		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.53	0.65	0.72	0.68	1.78	0.39	0.55	1.57	4.74	0.600
Exhaust HC:	0.40	0.51	0.59	0.54	0.98	0.39	0.55	1.57	1.91	0.434
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.05	0.05	0.16					0.053
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.033
Exhaust CO:	5.01	6.20	6.94	6.51	13.16	0.98	1.10	7.62	14.69	5.092
Exhaust NOX:	0.91	1.09	1.29	1.17	4.29	1.00	1.12	6.94	0.95	0.990

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54	
HC,NoDiurnal	0.52	0.63	0.70	1.53				4.20	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =	37.50%								
DiurnalShare	0.01	0.01	0.01	0.13				0.57	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.53	0.64	0.72		1.66	0.39	0.55	1.57	4.77
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4:76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F12T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.899	0.023	0.016		0.003	0.039	0.002	0.006	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.47	0.60	0.66	0.62	1.47	0.23	0.33	0.94	7.45	0.553
Exhaust HC:	0.34	0.44	0.52	0.47	0.49	0.23	0.33	0.94	2.35	0.365
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.08					0.015
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	4.76	6.30	7.43	6.77	16.25	0.87	0.98	6.83	33.00	5.063
Exhaust NOX:	1.43	1.82	2.16	1.96	5.63	1.95	2.18	13.57	1.64	1.558

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F12T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.908	0.019	0.013		0.002	0.039	0.002	0.005	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.55	0.62	0.58	1.21	0.23	0.33	0.94	5.21	0.493
Exhaust HC:	0.34	0.44	0.52	0.47	0.49	0.23	0.33	0.94	2.36	0.364
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	4.76	6.30	7.43	6.76	15.92	0.87	0.98	6.83	30.63	5.006
Exhaust NOX:	1.42	1.81	2.15	1.95	5.59	1.95	2.18	13.57	1.70	1.532

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19		
HC,NoDiurnal	0.42	0.53	0.61	0.99				5.02		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		
Adjusted HC Emission Factors:										
VOC HC:	0.43	0.54	0.61		1.10	0.23	0.33	0.94	5.50	
Evaporat HC:	0.06	0.05	0.04		0.52				2.55	
WtDiurnal	0.19	0.25	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F12T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.9	64.9	64.9		64.9	64.9	64.9	64.9	64.9	
VMT Mix:	0.912	0.016	0.012		0.002	0.040	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.46	0.58	0.64	0.61	1.49	0.23	0.33	0.94	6.44	0.534
Exhaust HC:	0.34	0.44	0.52	0.47	0.50	0.23	0.33	0.94	2.33	0.364
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.10					0.016
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	4.74	6.28	7.40	6.76	16.86	0.87	0.98	6.81	35.85	5.072
Exhaust NOX:	1.43	1.82	2.17	1.97	5.64	1.94	2.18	13.51	1.58	1.528

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52
Multiple	1.93	2.16	2.14	2.15	11.96				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.05	0.06	0.06	0.06	0.07				0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18	
HC,NoDiurnal	0.45	0.56	0.63	1.27				6.26	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =	6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.45	0.56	0.63		1.30	0.23	0.33	0.94	6.36
Evaporat HC:	0.05	0.05	0.05		0.64				3.24
WtDiurnal	0.04	0.05	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F12T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.903	0.021	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.45	0.57	0.64	0.60	1.38	0.23	0.33	0.94	6.05	0.524
Exhaust HC:	0.34	0.44	0.52	0.47	0.49	0.23	0.33	0.94	2.35	0.366
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.098
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.08					0.015
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	4.76	6.30	7.43	6.76	16.40	0.87	0.98	6.83	34.09	5.095
Exhaust NOX:	1.43	1.82	2.16	1.96	5.63	1.95	2.18	13.57	1.62	1.547

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.44	0.55	0.63	1.16				5.83		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.44	0.56	0.63		1.24	0.23	0.33	0.94	6.20	
Evaporat HC:	0.05	0.06	0.05		0.62				3.14	
WtDiurnal	0.15	0.19	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F12T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.872	0.036	0.026		0.005	0.037	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.54	0.61	0.57	1.16	0.23	0.33	0.94	5.19	0.495
Exhaust HC:	0.34	0.44	0.52	0.47	0.48	0.23	0.33	0.94	2.36	0.371
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.033
Exhaust CO:	4.76	6.30	7.43	6.78	15.66	0.87	0.98	6.83	28.87	5.091
Exhaust NOX:	1.41	1.80	2.14	1.94	5.58	1.95	2.18	13.57	1.75	1.603

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50
Multiple	1.98	2.12	2.10	2.12	14.48				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.03	0.04	0.04	0.04	0.05				0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.02	0.25	0.54
HC,NoDiurnal	0.42	0.52	0.59	0.91	4.65
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share =	37.50%				
DiurnalShare	0.01	0.01	0.01	0.13	0.57

Adjusted HC Emission Factors:

VOC HC:	0.43	0.53	0.61		1.04	0.23	0.33	0.94	5.22
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F14T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.8	55.8	55.8		55.8	55.8	55.8	55.8	55.8	
VMT Mix:	0.887	0.029	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.51	0.55	0.52	1.49	0.24	0.33	0.96	6.55	0.471
Exhaust HC:	0.25	0.35	0.40	0.37	0.47	0.24	0.33	0.96	1.45	0.278
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.019
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	2.61	3.58	4.11	3.79	11.79	0.71	0.80	5.58	11.55	2.754
Exhaust NOX:	1.17	1.44	1.70	1.54	5.30	1.38	1.54	9.59	1.33	1.275

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 92F14T 1]
Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	56.0	56.0	56.0		56.0	56.0	56.0	56.0	56.0	
VMT Mix:	0.883	0.031	0.021		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.46	0.51	0.48	1.21	0.24	0.33	0.96	4.33	0.414
Exhaust HC:	0.25	0.35	0.41	0.37	0.47	0.24	0.33	0.96	1.47	0.281
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.07					0.014
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	2.65	3.64	4.18	3.86	11.61	0.72	0.80	5.60	11.15	2.799
Exhaust NOX:	1.17	1.44	1.70	1.54	5.28	1.38	1.55	9.65	1.38	1.286

Evaporative Emissions by Component   Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59
Multiple	1.95	2.09	2.07	2.08	12.00				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.04	0.04	0.04	0.05				0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.19
HC,NoDiurnal	0.35	0.44	0.50	0.99	4.14
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 31.25%					
DiurnalShare	0.01	0.01	0.01	0.11	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.36	0.45	0.50		1.10	0.24	0.33	0.96	4.62
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F14T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	53.6	53.6	53.6		53.6	53.6	53.6	53.6	53.6	
VMT Mix:	0.908	0.019	0.013		0.002	0.039	0.002	0.004	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.37	0.49	0.53	0.51	1.52	0.24	0.34	0.98	5.47	0.444
Exhaust HC:	0.25	0.34	0.40	0.36	0.49	0.24	0.34	0.98	1.37	0.267
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.03	0.03	0.03	0.14					0.023
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	2.42	3.34	3.82	3.54	11.70	0.70	0.78	5.44	10.59	2.524
Exhaust NOX:	1.12	1.35	1.60	1.45	5.24	1.29	1.45	8.98	1.21	1.176

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.36	0.47	0.52	1.30				5.29		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.36	0.47	0.52		1.33	0.24	0.34	0.98	5.39	
Evaporat HC:	0.05	0.05	0.05		0.64				3.24	
WtDiurnal	0.04	0.05	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F14T 3]

Period 1 RVP: 8.7 | Minimum Temp: 87. (F) | Period 2 RVP: 8.7 | Maximum Temp: 93. (F) | Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.6	55.6	55.6		55.6	55.6	55.6	55.6	55.6	
VMT Mix:	0.877	0.034	0.023		0.005	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.48	0.53	0.50	1.40	0.24	0.34	0.96	5.13	0.438
Exhaust HC:	0.25	0.35	0.40	0.37	0.48	0.24	0.34	0.96	1.43	0.278
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.019
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	2.56	3.52	4.04	3.73	11.84	0.71	0.80	5.57	11.45	2.729
Exhaust NOX:	1.17	1.43	1.70	1.54	5.29	1.37	1.53	9.53	1.30	1.287

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.36	0.46	0.52	1.18				4.91		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.36	0.47	0.52		1.26	0.24	0.34	0.96	5.28	
Evaporat HC:	0.05	0.06	0.05		0.62				3.14	
WtDiurnal	0.15	0.19	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F14T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	58.5	58.5	58.5		58.5	58.5	58.5	58.5	58.5	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.002	0.007	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.48	0.53	0.50	1.15	0.23	0.33	0.95	4.56	0.434
Exhaust HC:	0.28	0.38	0.44	0.40	0.47	0.23	0.33	0.95	1.72	0.306
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.02	0.01	0.06					0.012
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	3.24	4.38	5.08	4.67	12.24	0.75	0.84	5.83	15.61	3.423
Exhaust NOX:	1.23	1.53	1.82	1.65	5.35	1.50	1.69	10.49	1.51	1.351

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0,04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54	
HC,NoDiurnal	0.36	0.46	0.51	0.90				4.02	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share = 37.50%									
DiurnalShare	0.01	0.01	0.01	0.13				0.57	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.37	0.47	0.53		1.03	0.23	0.33	0.95	4.59
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F16T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	30.9	30.9	30.9		30.9	30.9	30.9	30.9	30.9	
VMT Mix:	0.911	0.017	0.012		0.002	0.039	0.002	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.56	0.68	0.74	0.71	2.05	0.36	0.51	1.46	6.88	0.642
Exhaust HC:	0.37	0.48	0.55	0.51	0.88	0.36	0.51	1.46	1.78	0.394
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.135
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.07	0.07	0.26					0.071
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.042
Exhaust CO:	4.50	5.63	6.32	5.92	12.59	0.90	1.01	7.00	15.23	4.557
Exhaust NOX:	0.93	1.10	1.31	1.19	4.42	0.98	1.10	6.84	0.93	0.967

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F16T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	31.0	31.0	31.0		31.0	31.0	31.0	31.0	31.0	
VMT Mix:	0.905	0.020	0.014		0.003	0.039	0.002	0.005	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.51	0.62	0.68	0.65	1.71	0.36	0.51	1.46	4.64	0.564
Exhaust HC:	0.37	0.48	0.55	0.51	0.87	0.36	0.51	1.46	1.78	0.394
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.16					0.051
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	4.48	5.61	6.30	5.90	12.29	0.89	1.00	6.98	14.08	4.532
Exhaust NOX:	0.92	1.10	1.30	1.18	4.40	0.98	1.10	6.84	0.96	0.974

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19	
HC,NoDiurnal	0.50	0.60	0.67	1.49				4.45	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.11				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.51	0.61	0.67		1.60	0.36	0.51	1.46	4.93
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F16T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	30.4	30.4	30.4		30.4	30.4	30.4	30.4	30.4	
VMT Mix:	0.922	0.011	0.008		0.002	0.040	0.001	0.003	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.56	0.68	0.75	0.71	2.12	0.37	0.52	1.48	5.90	0.631
Exhaust HC:	0.37	0.48	0.56	0.51	0.93	0.37	0.52	1.48	1.80	0.397
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.08	0.09	0.08	0.31					0.080
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	4.59	5.74	6.44	6.04	13.32	0.91	1.02	7.11	16.99	4.657
Exhaust NOX:	0.93	1.11	1.31	1.20	4.41	0.98	1.10	6.86	0.89	0.962

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.38	0.44	0.45	0.45	3.73	16.13
WtDiurnal	0.33	0.45	0.48	0.46	7.95	1.52
Multiple	1.93	2.16	2.14	2.15	11.96	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.06	0.06	0.06	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.18
HC,NoDiurnal	0.55	0.66	0.74	1.90	5.72
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.55	0.66	0.74		1.93	0.37	0.52	1.48	5.82
Evaporat HC:	0.05	0.05	0.05		0.64				3.24
WtDiurnal	0.04	0.05	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F16T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	30.9	30.9	30.9		30.9	30.9	30.9	30.9	30.9	
VMT Mix:	0.903	0.021	0.015		0.003	0.039	0.002	0.005	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.54	0.65	0.72	0.68	1.96	0.36	0.51	1.46	5.48	0.605
Exhaust HC:	0.37	0.48	0.55	0.51	0.89	0.36	0.51	1.46	1.78	0.395
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.07	0.07	0.07	0.26					0.070
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	4.50	5.63	6.32	5.92	12.70	0.90	1.01	7.00	15.73	4.573
Exhaust NOX:	0.93	1.11	1.31	1.19	4.42	0.98	1.10	6.84	0.91	0.980

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22	
HC,NoDiurnal	0.53	0.63	0.71	1.74				5.26	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share = 24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.53	0.64	0.71		1.82	0.36	0.51	1.46	5.63
Evaporat HC:	0.05	0.06	0.05		0.62				3.14
WtDiurnal	0.15	0.19	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F16T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	31.3	31.3	31.3		31.3	31.3	31.3	31.3	31.3	
VMT Mix:	0.917	0.014	0.010		0.002	0.040	0.001	0.003	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.49	0.60	0.67	0.63	1.64	0.36	0.50	1.45	4.61	0.550
Exhaust HC:	0.36	0.47	0.54	0.50	0.86	0.36	0.50	1.45	1.77	0.388
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.04	0.05	0.04	0.15					0.048
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	4.42	5.55	6.23	5.84	11.98	0.88	0.99	6.91	13.12	4.448
Exhaust NOX:	0.92	1.09	1.29	1.18	4.39	0.98	1.10	6.83	0.99	0.953

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54		
HC,NoDiurnal	0.48	0.58	0.65	1.39				4.07		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.13				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.49	0.59	0.67		1.52	0.36	0.50	1.45	4.64	
Evaporat HC:	0.05	0.05	0.05		0.47				2.33	
WtDiurnal	0.23	0.30	0.38		4.68				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F17T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.9	25.9	25.9		25.9	25.9	25.9	25.9	25.9	
VMT Mix:	0.881	0.032	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.64	0.77	0.84	0.80	2.35	0.42	0.59	1.70	7.13	0.733
Exhaust HC:	0.43	0.55	0.63	0.58	1.14	0.42	0.59	1.70	2.03	0.472
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.09	0.08	0.31					0.087
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	5.62	6.88	7.68	7.20	15.03	1.07	1.21	8.39	18.61	5.738
Exhaust NOX:	0.91	1.10	1.30	1.18	4.24	1.02	1.14	7.11	0.86	0.993

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F17T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.0	26.0	26.0		26.0	26.0	26.0	26.0	26.0	
VMT Mix:	0.870	0.037	0.026		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.58	0.70	0.78	0.73	1.99	0.42	0.59	1.69	4.89	0.655
Exhaust HC:	0.43	0.55	0.63	0.58	1.12	0.42	0.59	1.69	2.03	0.474
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.05	0.06	0.06	0.20					0.062
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	5.60	6.85	7.65	7.18	14.67	1.07	1.20	8.36	17.20	5.720
Exhaust NOX:	0.91	1.09	1.29	1.18	4.22	1.02	1.14	7.10	0.89	1.001

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19		
HC,NoDiurnal	0.57	0.68	0.77	1.77				4.70		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.58	0.69	0.77		1.88	0.42	0.59	1.69	5.18	
Evaporat HC:	0.06	0.05	0.04		0.52				2.55	
WtDiurnal	0.19	0.25	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F17T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.4	25.4	25.4		25.4	25.4	25.4	25.4	25.4	
VMT Mix:	0.903	0.021	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.65	0.78	0.86	0.81	2.45	0.43	0.60	1.73	6.16	0.727
Exhaust HC:	0.44	0.56	0.64	0.59	1.19	0.43	0.60	1.73	2.06	0.474
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.105
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.10	0.10	0.10	0.37					0.098
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	5.76	7.03	7.85	7.36	16.00	1.10	1.23	8.57	20.78	5.866
Exhaust NOX:	0.92	1.10	1.31	1.19	4.24	1.03	1.15	7.15	0.82	0.969

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18	
HC,NoDiurnal	0.64	0.76	0.85	2.23				5.98	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =	6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.64	0.76	0.85		2.26	0.43	0.60	1.73	6.08
Evaporat HC:	0.05	0.05	0.05		0.64				3.24
WtDiurnal	0.04	0.05	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F17T 3]

Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.9	25.9	25.9		25.9	25.9	25.9	25.9	25.9	
VMT Mix:	0.867	0.039	0.027		0.005	0.037	0.003	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.62	0.74	0.82	0.77	2.26	0.42	0.59	1.70	5.73	0.704
Exhaust HC:	0.43	0.55	0.63	0.58	1.14	0.42	0.59	1.70	2.03	0.477
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.09	0.08	0.31					0.086
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	5.62	6.88	7.68	7.20	15.17	1.07	1.21	8.39	19.22	5.784
Exhaust NOX:	0.91	1.10	1.30	1.18	4.24	1.02	1.14	7.11	0.85	1.014

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83
Multiple	1.95	2.14	2.12	2.14	12.22				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.05	0.05	0.05	0.05	0.06				0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.22
HC,NoDiurnal	0.61	0.72	0.81	2.04	5.51
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.61	0.73	0.81		2.12	0.42	0.59	1.70	5.88
Evaporat HC:	0.05	0.06	0.05		0.62				3.14
WtDiurnal	0.15	0.19	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F17T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.4	26.4	26.4		26.4	26.4	26.4	26.4	26.4	
VMT Mix:	0.894	0.026	0.018		0.003	0.038	0.002	0.006	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.57	0.68	0.76	0.71	1.90	0.41	0.58	1.67	4.85	0.634
Exhaust HC:	0.42	0.54	0.62	0.58	1.09	0.41	0.58	1.67	2.02	0.461
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.05	0.05	0.18					0.058
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	5.49	6.73	7.52	7.05	14.19	1.05	1.18	8.23	15.94	5.561
Exhaust NOX:	0.90	1.09	1.29	1.17	4.22	1.01	1.14	7.07	0.92	0.968

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.02	0.25	0.54
HC,NoDiurnal	0.56	0.66	0.74	1.65	4.31
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.13	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.57	0.67	0.76	1.78	0.41	0.58	1.67	4.88
Evaporat HC:	0.05	0.05	0.05	0.47				2.33
WtDiurnal	0.23	0.30	0.38	4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F19T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.6	23.6	23.6		23.6	23.6	23.6	23.6	23.6	
VMT Mix:	0.898	0.023	0.016		0.003	0.039	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.69	0.82	0.90	0.85	2.54	0.45	0.64	1.83	7.27	0.783
Exhaust HC:	0.47	0.59	0.68	0.63	1.29	0.45	0.64	1.83	2.17	0.509
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.136
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.09	0.09	0.09	0.34					0.096
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.042
Exhaust CO:	6.30	7.62	8.50	7.98	16.62	1.19	1.33	9.27	20.52	6.391
Exhaust NOX:	0.90	1.10	1.30	1.18	4.16	1.05	1.18	7.32	0.82	0.967

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F19T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.6	23.6	23.6		23.6	23.6	23.6	23.6	23.6	
VMT Mix:	0.891	0.027	0.019		0.004	0.038	0.002	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.63	0.75	0.83	0.79	2.17	0.45	0.64	1.83	5.03	0.699
Exhaust HC:	0.47	0.59	0.68	0.63	1.28	0.45	0.64	1.83	2.17	0.511
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.06	0.06	0.22					0.069
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	6.30	7.62	8.50	7.98	16.28	1.19	1.33	9.27	19.05	6.388
Exhaust NOX:	0.90	1.09	1.29	1.17	4.13	1.05	1.18	7.32	0.85	0.975

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19	
HC,NoDiurnal	0.62	0.73	0.82	1.95				4.84	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.11				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.63	0.74	0.82		2.06	0.45	0.64	1.83	5.32
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes   ASTM Class: C

[A 92F19T 2]

Period 1 RVP: 8.7   Minimum Temp: 91. (F)   Maximum Temp: 96. (F)

Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.5	23.5	23.5		23.5	23.5	23.5	23.5	23.5	
VMT Mix:	0.915	0.015	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.69	0.82	0.91	0.86	2.62	0.45	0.64	1.84	6.27	0.765
Exhaust HC:	0.47	0.60	0.69	0.63	1.33	0.45	0.64	1.84	2.17	0.506
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.11	0.10	0.11	0.11	0.40					0.106
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	6.33	7.66	8.54	8.03	17.40	1.19	1.34	9.31	22.55	6.418
Exhaust NOX:	0.91	1.10	1.30	1.19	4.17	1.05	1.18	7.33	0.79	0.951

Evaporative Emissions by Component   Weathered RVP: 6.9

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52
Multiple	1.93	2.16	2.14	2.15	11.96				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.05	0.06	0.06	0.06	0.07				0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18	
HC,NoDiurnal	0.68	0.80	0.90	2.40				6.09	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =		6.94%							
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.68	0.80	0.90		2.43	0.45	0.64	1.84	6.19
Evaporat HC:	0.05	0.05	0.05		0.64				3.24
WtDiurnal	0.04	0.05	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F19T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.6	23.6	23.6		23.6	23.6	23.6	23.6	23.6	
VMT Mix:	0.887	0.029	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.67	0.79	0.88	0.83	2.44	0.45	0.64	1.83	5.87	0.746
Exhaust HC:	0.47	0.59	0.68	0.63	1.29	0.45	0.64	1.83	2.17	0.512
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.09	0.09	0.09	0.34					0.094
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	6.30	7.62	8.50	7.98	16.77	1.19	1.33	9.27	21.20	6.415
Exhaust NOX:	0.90	1.10	1.30	1.18	4.16	1.05	1.18	7.32	0.81	0.981

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.66	0.77	0.87	2.22				5.65		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		
Adjusted HC Emission Factors:										
VOC HC:	0.66	0.78	0.87		2.30	0.45	0.64	1.83	6.02	
Evaporat HC:	0.05	0.06	0.05		0.62				3.14	
WtDiurnal	0.15	0.19	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 92F19T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.6	23.6	23.6		23.6	23.6	23.6	23.6	23.6	
VMT Mix:	0.906	0.019	0.013		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.62	0.74	0.83	0.78	2.10	0.45	0.64	1.83	5.01	0.687
Exhaust HC:	0.47	0.59	0.68	0.63	1.27	0.45	0.64	1.83	2.18	0.507
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.06	0.06	0.20					0.064
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	6.30	7.62	8.50	7.98	16.01	1.19	1.33	9.27	17.95	6.340
Exhaust NOX:	0.89	1.09	1.28	1.17	4.12	1.05	1.18	7.32	0.87	0.951

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.02	0.25	0.54
HC,NoDiurnal	0.61	0.72	0.81	1.85	4.47
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.13	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.62	0.73	0.83		1.98	0.45	0.64	1.83	5.04
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 93F11T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	60.5	60.5	60.5		60.5	60.5	60.5	60.5	60.5	
VMT Mix:	0.839	0.052	0.036		0.007	0.036	0.005	0.013	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.55	0.60	0.57	1.47	0.23	0.33	0.94	7.01	0.526
Exhaust HC:	0.30	0.40	0.46	0.42	0.47	0.23	0.33	0.94	1.91	0.333
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.135
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.017
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	3.71	4.97	5.81	5.31	13.57	0.78	0.87	6.07	22.51	4.054
Exhaust NOX:	1.30	1.63	1.93	1.75	5.47	1.62	1.82	11.28	1.49	1.517

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F11T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	62.4	62.4	62.4		62.4	62.4	62.4	62.4	62.4	
VMT Mix:	0.858	0.043	0.030		0.006	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.41	0.53	0.59	0.55	1.20	0.23	0.33	0.94	4.96	0.480
Exhaust HC:	0.31	0.42	0.49	0.44	0.47	0.23	0.33	0.94	2.10	0.348
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.083
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.06					0.012
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	4.15	5.53	6.49	5.93	14.27	0.81	0.91	6.35	25.00	4.477
Exhaust NOX:	1.35	1.70	2.02	1.83	5.50	1.74	1.96	12.15	1.61	1.537

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59
Multiple	1.95	2.09	2.07	2.08	12.00				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.04	0.04	0.04	0.05				0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19	
HC,NoDiurnal	0.40	0.51	0.58	0.98				4.77	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share =	31.25%								
DiurnalShare	0.01	0.01	0.01	0.11				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.41	0.52	0.58		1.09	0.23	0.33	0.94	5.25
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F11T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.0	55.0	55.0		55.0	55.0	55.0	55.0	55.0	
VMT Mix:	0.870	0.037	0.026		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.49	0.53	0.50	1.51	0.24	0.34	0.97	5.47	0.448
Exhaust HC:	0.25	0.34	0.40	0.36	0.49	0.24	0.34	0.97	1.37	0.274
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.103
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.03	0.03	0.03	0.13					0.022
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.049
Exhaust CO:	2.42	3.34	3.82	3.54	12.06	0.71	0.79	5.52	10.59	2.596
Exhaust NOX:	1.16	1.41	1.67	1.52	5.29	1.34	1.51	9.36	1.25	1.282

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.36	0.47	0.52	1.29				5.29		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.36	0.47	0.52		1.32	0.24	0.34	0.97	5.39	
Evaporat HC:	0.05	0.05	0.05		0.64				3.24	
WtDiurnal	0.04	0.05	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F11T 3]
Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	60.6	60.6	60.6		60.6	60.6	60.6	60.6	60.6	
VMT Mix:	0.853	0.046	0.032		0.006	0.036	0.004	0.011	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.41	0.53	0.58	0.55	1.38	0.23	0.33	0.94	5.62	0.490
Exhaust HC:	0.30	0.40	0.46	0.42	0.47	0.23	0.33	0.94	1.92	0.332
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.097
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.017
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	3.73	5.00	5.84	5.35	13.74	0.78	0.87	6.08	23.49	4.061
Exhaust NOX:	1.31	1.64	1.94	1.76	5.47	1.62	1.82	11.32	1.47	1.494

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.40	0.51	0.57	1.16				5.40		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.40	0.52	0.57		1.24	0.23	0.33	0.94	5.77	
Evaporat HC:	0.05	0.06	0.05		0.62				3.14	
WtDiurnal	0.15	0.19	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F11T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.7	64.7	64.7		64.7	64.7	64.7	64.7	64.7	
VMT Mix:	0.779	0.082	0.057		0.011	0.033	0.007	0.020	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.54	0.61	0.57	1.16	0.23	0.33	0.94	5.17	0.509
Exhaust HC:	0.33	0.44	0.51	0.47	0.48	0.23	0.33	0.94	2.33	0.385
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.033
Exhaust CO:	4.69	6.22	7.32	6.67	15.45	0.87	0.97	6.77	28.25	5.230
Exhaust NOX:	1.41	1.79	2.12	1.93	5.57	1.92	2.16	13.39	1.74	1.789

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54		
HC,NoDiurnal	0.42	0.52	0.59	0.91				4.63		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	37.50%									
DiurnalShare	0.01	0.01	0.01	0.13				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.43	0.53	0.61		1.04	0.23	0.33	0.94	5.20	
Evaporat HC:	0.05	0.05	0.05		0.47				2.33	
WtDiurnal	0.23	0.30	0.38		4.68				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F12T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.7	63.7	63.7		63.7	63.7	63.7	63.7	63.7	
VMT Mix:	0.870	0.037	0.026		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.46	0.58	0.64	0.61	1.47	0.23	0.33	0.94	7.32	0.548
Exhaust HC:	0.32	0.43	0.50	0.46	0.48	0.23	0.33	0.94	2.22	0.358
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.133
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.015
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	4.45	5.92	6.96	6.35	15.36	0.84	0.95	6.57	29.97	4.806
Exhaust NOX:	1.39	1.76	2.09	1.90	5.58	1.84	2.07	12.83	1.60	1.568

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F12T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.8	63.8	63.8		63.8	63.8	63.8	63.8	63.8	
VMT Mix:	0.884	0.030	0.021		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.42	0.54	0.60	0.57	1.20	0.23	0.33	0.94	5.09	0.487
Exhaust HC:	0.33	0.43	0.50	0.46	0.48	0.23	0.33	0.94	2.24	0.357
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	4.48	5.95	7.00	6.38	15.10	0.84	0.95	6.59	28.03	4.768
Exhaust NOX:	1.39	1.76	2.09	1.89	5.55	1.85	2.07	12.88	1.66	1.545

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19		
HC,NoDiurnal	0.41	0.52	0.59	0.98				4.90		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.42	0.53	0.59		1.09	0.23	0.33	0.94	5.38	
Evaporat HC:	0.06	0.05	0.04		0.52				2.55	
WtDiurnal	0.19	0.25	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 93F12T 2]
Minimum Temp: 91. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.2	63.2	63.2		63.2	63.2	63.2	63.2	63.2	
VMT Mix:	0.892	0.027	0.019		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.56	0.62	0.59	1.48	0.23	0.33	0.94	6.27	0.517
Exhaust HC:	0.32	0.42	0.50	0.45	0.49	0.23	0.33	0.94	2.17	0.349
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.10					0.017
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.049
Exhaust CO:	4.34	5.77	6.79	6.19	15.68	0.83	0.93	6.49	31.51	4.654
Exhaust NOX:	1.39	1.75	2.08	1.89	5.58	1.80	2.02	12.56	1.52	1.507

Evaporative Emissions by Component   Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.38	0.44	0.45	0.45	3.73	16.13
WtDiurnal	0.33	0.45	0.48	0.46	7.95	1.52
Multiple	1.93	2.16	2.14	2.15	11.96	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.06	0.06	0.06	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.18
HC,NoDiurnal	0.43	0.54	0.61	1.26	6.09
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share =		6.94%			
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.43	0.54	0.61		1.29	0.23	0.33	0.94	6.19
Evaporat HC:	0.05	0.05	0.05		0.64				3.24
WtDiurnal	0.04	0.05	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F12T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.7	63.7	63.7		63.7	63.7	63.7	63.7	63.7	
VMT Mix:	0.878	0.033	0.023		0.005	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.56	0.62	0.58	1.38	0.23	0.33	0.94	5.92	0.513
Exhaust HC:	0.32	0.43	0.50	0.46	0.48	0.23	0.33	0.94	2.22	0.357
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.08					0.015
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	4.45	5.92	6.96	6.35	15.49	0.84	0.95	6.57	30.95	4.803
Exhaust NOX:	1.39	1.77	2.10	1.90	5.58	1.84	2.07	12.83	1.58	1.557

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.43	0.54	0.61	1.16				5.70		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		
Adjusted HC Emission Factors:										
VOC HC:	0.43	0.55	0.61		1.24	0.23	0.33	0.94	6.07	
Evaporat HC:	0.05	0.06	0.05		0.62				3.14	
WtDiurnal	0.15	0.19	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F12T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.0	64.0	64.0		64.0	64.0	64.0	64.0	64.0	
VMT Mix:	0.827	0.058	0.041		0.008	0.036	0.005	0.014	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.42	0.53	0.60	0.56	1.16	0.23	0.33	0.94	5.10	0.491
Exhaust HC:	0.33	0.43	0.51	0.46	0.48	0.23	0.33	0.94	2.26	0.368
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.033
Exhaust CO:	4.52	6.01	7.07	6.45	14.98	0.85	0.95	6.63	26.83	4.923
Exhaust NOX:	1.39	1.76	2.09	1.90	5.54	1.86	2.09	12.99	1.71	1.657

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54		
HC,NoDiurnal	0.41	0.51	0.58	0.91				4.56		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.13				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.42	0.52	0.60		1.04	0.23	0.33	0.94	5.13	
Evaporat HC:	0.05	0.05	0.05		0.47				2.33	
WtDiurnal	0.23	0.30	0.38		4.68				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F14T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	24.3	24.3	24.3		24.3	24.3	24.3	24.3	24.3	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.67	0.80	0.88	0.83	2.48	0.44	0.62	1.79	7.22	0.765
Exhaust HC:	0.46	0.58	0.67	0.62	1.24	0.44	0.62	1.79	2.12	0.498
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.09	0.09	0.09	0.33					0.093
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	6.08	7.38	8.23	7.74	16.10	1.15	1.29	8.98	19.91	6.185
Exhaust NOX:	0.91	1.10	1.30	1.18	4.18	1.04	1.17	7.25	0.83	0.981

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes   ASTM Class: C

[A 93F14T 1]   Minimum Temp: 80. (F)   Maximum Temp: 87. (F)

Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	24.8	24.8	24.8		24.8	24.8	24.8	24.8	24.8	
VMT Mix:	0.883	0.031	0.021		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.61	0.72	0.80	0.76	2.07	0.43	0.61	1.76	4.96	0.675
Exhaust HC:	0.45	0.57	0.66	0.61	1.20	0.43	0.61	1.76	2.10	0.491
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.06	0.06	0.21					0.065
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	5.93	7.22	8.05	7.55	15.43	1.12	1.26	8.79	18.09	6.026
Exhaust NOX:	0.90	1.09	1.29	1.17	4.18	1.03	1.16	7.20	0.87	0.986

Evaporative Emissions by Component   Weathered RVP: 7.2   Hot Soak Temp: 86.1 (F)

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 86.2 (F)

Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59
Multiple	1.95	2.09	2.07	2.08	12.00				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.04	0.04	0.04	0.05				0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19	
HC,NoDiurnal	0.60	0.70	0.79	1.85				4.77	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.11				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.61	0.71	0.79		1.96	0.43	0.61	1.76	5.25
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F14T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	20.9	20.9	20.9		20.9	20.9	20.9	20.9	20.9	
VMT Mix:	0.909	0.018	0.013		0.002	0.039	0.002	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.76	0.89	0.99	0.93	2.89	0.50	0.70	2.02	6.45	0.835
Exhaust HC:	0.53	0.66	0.76	0.70	1.55	0.50	0.70	2.02	2.35	0.564
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.12	0.12	0.12	0.12	0.45					0.117
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	7.29	8.72	9.69	9.12	19.77	1.35	1.52	10.53	25.38	7.375
Exhaust NOX:	0.89	1.10	1.30	1.18	4.08	1.10	1.23	7.65	0.75	0.944

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18	
HC,NoDiurnal	0.75	0.87	0.98	2.67				6.27	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	

Temperature Rise Share = 6.94%

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.75	0.87	0.98		2.70	0.50	0.70	2.02	6.37
Evaporat HC:	0.05	0.05	0.05		0.64				3.24
WtDiurnal	0.04	0.05	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 93F14T 3]   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	24.1	24.1	24.1		24.1	24.1	24.1	24.1	24.1	
VMT Mix:	0.878	0.033	0.023		0.005	0.038	0.003	0.008	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.66	0.78	0.86	0.82	2.40	0.44	0.63	1.80	5.84	0.738
Exhaust HC:	0.46	0.58	0.67	0.62	1.26	0.44	0.63	1.80	2.14	0.505
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.09	0.09	0.09	0.33					0.092
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	6.14	7.45	8.31	7.80	16.39	1.16	1.30	9.06	20.74	6.281
Exhaust NOX:	0.91	1.10	1.30	1.18	4.18	1.04	1.17	7.27	0.82	0.994

Evaporative Emissions by Component   Weathered RVP: 7.0   Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.35	0.40	0.41	0.41	3.30	14.19
WtDiurnal	0.34	0.46	0.48	0.46	8.07	1.83
Multiple	1.95	2.14	2.12	2.14	12.22	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	HDGV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.22
HC,NoDiurnal	0.65	0.76	0.85	2.18	5.62
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.65	0.77	0.85	2.26	0.44	0.63	1.80	5.99
Evaporat HC:	0.05	0.06	0.05	0.62				3.14
WtDiurnal	0.15	0.19	0.25	3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F14T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	29.3	29.3	29.3		29.3	29.3	29.3	29.3	29.3	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.002	0.007	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.52	0.63	0.70	0.66	1.73	0.38	0.53	1.53	4.70	0.589
Exhaust HC:	0.38	0.50	0.57	0.53	0.94	0.38	0.53	1.53	1.87	0.421
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.16					0.052
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	4.82	5.98	6.71	6.29	12.76	0.94	1.06	7.38	14.18	4.903
Exhaust NOX:	0.91	1.09	1.29	1.17	4.32	0.99	1.11	6.90	0.96	0.986

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54		
HC,NoDiurnal	0.51	0.61	0.68	1.48				4.16		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.13				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.52	0.62	0.70		1.61	0.38	0.53	1.53	4.73	
Evaporat HC:	0.05	0.05	0.05		0.47				2.33	
WtDiurnal	0.23	0.30	0.38		4.68				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F16T 24HR]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.0	19.0	19.0		19.0	19.0	19.0	19.0	19.0	
VMT Mix:	0.896	0.025	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.82	0.96	1.06	1.00	3.05	0.53	0.75	2.17	7.62	0.910
Exhaust HC:	0.57	0.71	0.82	0.75	1.71	0.53	0.75	2.17	2.52	0.616
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.13	0.11	0.12	0.11	0.43					0.121
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	8.01	9.50	10.54	9.92	21.03	1.49	1.67	11.62	25.49	8.093
Exhaust NOX:	0.88	1.10	1.30	1.18	3.99	1.14	1.28	7.95	0.75	0.956

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.35	0.40	0.40	0.40	3.20	13.73
WtDiurnal	0.69	0.88	0.91	0.89	12.34	12.66
Multiple	3.73	4.68	4.62	4.66	21.52	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.05	0.05	0.06	0.19

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F16T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.4	19.4	19.4		19.4	19.4	19.4	19.4	19.4	
VMT Mix:	0.887	0.029	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.74	0.87	0.97	0.91	2.59	0.53	0.74	2.13	5.34	0.814
Exhaust HC:	0.57	0.70	0.81	0.75	1.66	0.53	0.74	2.13	2.49	0.614
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.07	0.08	0.07	0.26					0.082
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	7.93	9.40	10.44	9.83	20.14	1.46	1.64	11.38	23.18	8.010
Exhaust NOX:	0.88	1.09	1.29	1.17	3.99	1.13	1.27	7.88	0.78	0.962

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19		
HC,NoDiurnal	0.73	0.85	0.96	2.37				5.15		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		
Adjusted HC Emission Factors:										
VOC HC:	0.74	0.86	0.96		2.48	0.53	0.74	2.13	5.63	
Evaporat HC:	0.06	0.05	0.04		0.52				2.55	
WtDiurnal	0.19	0.25	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F16T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	17.1	17.1	17.1		17.1	17.1	17.1	17.1	17.1	
VMT Mix:	0.913	0.017	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.89	1.03	1.14	1.08	3.44	0.58	0.81	2.33	6.81	0.968
Exhaust HC:	0.61	0.76	0.87	0.80	1.99	0.58	0.81	2.33	2.71	0.648
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.18	0.16	0.17	0.16	0.56					0.165
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	8.46	9.99	11.11	10.43	24.48	1.65	1.86	12.91	30.93	8.583
Exhaust NOX:	0.90	1.11	1.31	1.19	3.94	1.19	1.33	8.29	0.70	0.949

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.88	1.01	1.13	3.22				6.63		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.88	1.01	1.13		3.25	0.58	0.81	2.33	6.73	
Evaporat HC:	0.05	0.05	0.05		0.64				3.24	
WtDiurnal	0.04	0.05	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F16T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.0	19.0	19.0		19.0	19.0	19.0	19.0	19.0	
VMT Mix:	0.883	0.031	0.021		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.80	0.93	1.04	0.97	2.95	0.53	0.75	2.17	6.22	0.882
Exhaust HC:	0.57	0.71	0.82	0.75	1.72	0.53	0.75	2.17	2.51	0.623
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.13	0.11	0.12	0.11	0.42					0.119
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	8.01	9.50	10.54	9.92	21.22	1.49	1.67	11.62	26.32	8.143
Exhaust NOX:	0.88	1.10	1.30	1.18	4.00	1.14	1.28	7.95	0.74	0.978

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.79	0.91	1.03	2.73				6.00		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =		24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37		
Adjusted HC Emission Factors:										
VOC HC:	0.79	0.92	1.03		2.81	0.53	0.75	2.17	6.37	
Evaporat HC:	0.05	0.06	0.05		0.62				3.14	
WtDiurnal	0.15	0.19	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F16T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	21.2	21.2	21.2		21.2	21.2	21.2	21.2	21.2	
VMT Mix:	0.904	0.020	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.68	0.80	0.90	0.84	2.32	0.49	0.69	1.99	5.18	0.746
Exhaust HC:	0.52	0.65	0.75	0.69	1.47	0.49	0.69	1.99	2.35	0.560
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.07	0.06	0.22					0.070
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	7.16	8.58	9.54	8.97	18.00	1.33	1.49	10.38	20.01	7.203
Exhaust NOX:	0.88	1.08	1.28	1.16	4.04	1.09	1.23	7.61	0.83	0.944

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.28	0.30	0.30	0.30	2.20	8.64
WtDiurnal	0.36	0.49	0.52	0.50	9.11	4.50
Multiple	1.98	2.12	2.10	2.12	14.48	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.05	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	MC
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.02	0.25	0.54
HC,NoDiurnal	0.67	0.78	0.88	2.07	4.64
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share =	37.50%				
DiurnalShare	0.01	0.01	0.01	0.13	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.68	0.79	0.90		2.20	0.49	0.69	1.99	5.21
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F17T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	7.3	7.3	7.3		7.3	7.3	7.3	7.3	7.3	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.54	1.80	2.02	1.89	6.18	0.89	1.25	3.60	10.71	1.674
Exhaust HC:	1.05	1.35	1.56	1.44	4.13	0.89	1.25	3.60	5.61	1.151
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.37	0.32	0.34	0.33	1.15					0.350
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.041
Exhaust CO:	14.46	16.64	18.72	17.50	47.17	3.15	3.54	24.59	70.11	15.016
Exhaust NOX:	0.99	1.23	1.45	1.32	3.58	1.61	1.80	11.20	0.71	1.111

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F17T 1]
Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	8.6	8.6	8.6		8.6	8.6	8.6	8.6	8.6	
VMT Mix:	0.879	0.032	0.023		0.005	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.25	1.53	1.71	1.60	4.96	0.83	1.18	3.38	7.70	1.362
Exhaust HC:	0.94	1.19	1.38	1.27	3.68	0.83	1.18	3.38	4.84	1.031
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.22	0.23	0.25	0.24	0.61					0.212
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	12.88	14.88	16.71	15.65	41.61	2.86	3.21	22.35	54.40	13.339
Exhaust NOX:	0.96	1.19	1.41	1.28	3.61	1.53	1.72	10.68	0.72	1.089

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.30	0.33	0.34	0.34	2.55	10.56
WtDiurnal	0.34	0.46	0.49	0.47	7.98	1.59
Multiple	1.95	2.09	2.07	2.08	12.00	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.04	0.04	0.04	0.05	0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.19
HC,NoDiurnal	1.24	1.51	1.70	4.74	7.51
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share = 31.25%					
DiurnalShare	0.01	0.01	0.01	0.11	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.25	1.52	1.70		4.85	0.83	1.18	3.38	7.99
Evaporat HC:	0.06	0.05	0.04		0.52				2.55
WtDiurnal	0.19	0.25	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F17T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	4.4	4.4	4.4		4.4	4.4	4.4	4.4	4.4	
VMT Mix:	0.908	0.019	0.013		0.002	0.039	0.002	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	2.48	2.90	3.27	3.05	9.62	1.03	1.45	4.16	12.70	2.591
Exhaust HC:	1.57	2.04	2.35	2.17	5.44	1.03	1.45	4.16	8.60	1.674
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.81	0.74	0.80	0.77	3.30					0.764
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	21.38	24.29	27.48	25.58	62.94	3.94	4.43	30.78	127.29	22.294
Exhaust NOX:	1.11	1.38	1.63	1.49	3.49	1.80	2.02	12.56	0.75	1.199

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.45	0.45	3.73				16.13	
WtDiurnal	0.33	0.45	0.48	0.46	7.95				1.52	
Multiple	1.93	2.16	2.14	2.15	11.96					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.18
HC,NoDiurnal	2.47	2.88	3.26	9.40	12.52
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	2.47	2.88	3.26		9.43	1.03	1.45	4.16	12.62	
Evaporat HC:	0.05	0.05	0.05		0.64				3.24	
WtDiurnal	0.04	0.05	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F17T 3]
Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	7.7	7.7	7.7		7.7	7.7	7.7	7.7	7.7	
VMT Mix:	0.875	0.034	0.024		0.005	0.038	0.003	0.009	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.46	1.71	1.92	1.80	5.89	0.87	1.23	3.53	9.04	1.590
Exhaust HC:	1.01	1.30	1.50	1.38	4.01	0.87	1.23	3.53	5.34	1.119
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.35	0.30	0.32	0.31	1.07					0.330
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	13.92	16.03	18.03	16.86	46.07	3.05	3.43	23.87	68.34	14.548
Exhaust NOX:	0.98	1.22	1.44	1.31	3.59	1.58	1.78	11.03	0.69	1.128

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.35	0.40	0.41	0.41	3.30	14.19
WtDiurnal	0.34	0.46	0.48	0.46	8.07	1.83
Multiple	1.95	2.14	2.12	2.14	12.22	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT				HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22
HC,NoDiurnal	1.45	1.69	1.91	5.67				8.82
DailyDiurnal	0.02	0.03	0.03	0.34				1.53
Temperature Rise Share = 24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.45	1.70	1.91		5.75	0.87	1.23	3.53	9.19
Evaporat HC:	0.05	0.06	0.05		0.62				3.14
WtDiurnal	0.15	0.19	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F17T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	13.6	13.6	13.6		13.6	13.6	13.6	13.6	13.6	
VMT Mix:	0.899	0.023	0.016		0.003	0.038	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.92	1.11	1.24	1.16	3.46	0.66	0.94	2.70	6.08	1.002
Exhaust HC:	0.69	0.87	1.00	0.92	2.47	0.66	0.94	2.70	3.25	0.752
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.14	0.15	0.16	0.15	0.36					0.135
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	9.61	11.26	12.57	11.80	28.33	2.04	2.29	15.92	31.19	9.766
Exhaust NOX:	0.90	1.12	1.32	1.20	3.77	1.30	1.46	9.09	0.73	0.984

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64	
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50	
Multiple	1.98	2.12	2.10	2.12	14.48					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54		
HC,NoDiurnal	0.91	1.09	1.22	3.21				5.54		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.13				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.92	1.10	1.24		3.34	0.66	0.94	2.70	6.11	
Evaporat HC:	0.05	0.05	0.05		0.47				2.33	
WtDiurnal	0.23	0.30	0.38		4.68				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F19T 24HR]
Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	7.6	7.6	7.6		7.6	7.6	7.6	7.6	7.6	
VMT Mix:	0.906	0.019	0.013		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.50	1.75	1.96	1.84	6.04	0.87	1.24	3.55	10.50	1.627
Exhaust HC:	1.02	1.31	1.51	1.39	4.03	0.87	1.24	3.55	5.40	1.108
Evaporat HC:	0.08	0.10	0.09	0.09	0.86				4.45	0.136
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.36	0.31	0.33	0.32	1.10					0.342
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.65	0.042
Exhaust CO:	14.05	16.18	18.19	17.00	46.03	3.08	3.46	24.05	67.12	14.530
Exhaust NOX:	0.98	1.22	1.44	1.31	3.59	1.59	1.78	11.07	0.70	1.074

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.40	0.40	3.20				13.73	
WtDiurnal	0.69	0.88	0.91	0.89	12.34				12.66	
Multiple	3.73	4.68	4.62	4.66	21.52					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.69	0.88	0.91		12.34				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.34				1.53	1.944

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F19T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	8.6	8.6	8.6		8.6	8.6	8.6	8.6	8.6	
VMT Mix:	0.903	0.021	0.015		0.003	0.039	0.002	0.005	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.25	1.53	1.71	1.60	4.96	0.83	1.18	3.38	7.70	1.341
Exhaust HC:	0.94	1.19	1.38	1.27	3.68	0.83	1.18	3.38	4.84	1.011
Evaporat HC:	0.06	0.06	0.05	0.06	0.63				2.26	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.22	0.23	0.25	0.24	0.61					0.211
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	12.88	14.88	16.71	15.64	41.61	2.86	3.21	22.35	54.40	13.200
Exhaust NOX:	0.96	1.19	1.41	1.28	3.61	1.53	1.72	10.68	0.72	1.048

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.34	0.34	2.55				10.56	
WtDiurnal	0.34	0.46	0.49	0.47	7.98				1.59	
Multiple	1.95	2.09	2.07	2.08	12.00					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.19		
HC,NoDiurnal	1.24	1.51	1.70	4.74				7.51		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		
Adjusted HC Emission Factors:										
VOC HC:	1.25	1.52	1.70		4.85	0.83	1.18	3.38	7.99	
Evaporat HC:	0.06	0.05	0.04		0.52				2.55	
WtDiurnal	0.19	0.25	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F19T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	5.3	5.3	5.3		5.3	5.3	5.3	5.3	5.3	
VMT Mix:	0.920	0.012	0.009		0.002	0.040	0.001	0.003	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	2.07	2.42	2.72	2.55	8.23	0.98	1.38	3.97	11.50	2.174
Exhaust HC:	1.35	1.74	2.01	1.86	5.02	0.98	1.38	3.97	7.40	1.437
Evaporat HC:	0.06	0.07	0.06	0.07	0.83				3.32	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.62	0.56	0.60	0.57	2.32					0.583
Rsting L HC:	0.04	0.05	0.04	0.05	0.06				0.78	0.050
Exhaust CO:	18.42	21.02	23.74	22.18	58.18	3.67	4.12	28.66	106.84	19.156
Exhaust NOX:	1.06	1.32	1.56	1.42	3.52	1.74	1.95	12.11	0.72	1.132

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.38	0.44	0.45	0.45	3.73	16.13
WtDiurnal	0.33	0.45	0.48	0.46	7.95	1.52
Multiple	1.93	2.16	2.14	2.15	11.96	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.06	0.06	0.06	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.18
HC,NoDiurnal	2.06	2.40	2.71	8.01	11.32
DailyDiurnal	0.02	0.03	0.03	0.34	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	2.06	2.40	2.71		8.04	0.98	1.38	3.97	11.42
Evaporat HC:	0.05	0.05	0.05		0.64				3.24
WtDiurnal	0.04	0.05	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 93F19T 3]   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	7.9	7.9	7.9		7.9	7.9	7.9	7.9	7.9	
VMT Mix:	0.899	0.023	0.016		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.44	1.68	1.88	1.76	5.80	0.86	1.22	3.50	8.92	1.542
Exhaust HC:	0.99	1.27	1.47	1.35	3.94	0.86	1.22	3.50	5.21	1.078
Evaporat HC:	0.06	0.07	0.06	0.07	0.76				2.99	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.34	0.30	0.32	0.30	1.04					0.325
Rsting L HC:	0.04	0.04	0.04	0.04	0.05				0.71	0.045
Exhaust CO:	13.67	15.76	17.71	16.56	45.34	3.01	3.38	23.52	66.45	14.131
Exhaust NOX:	0.98	1.22	1.44	1.31	3.60	1.57	1.76	10.95	0.69	1.081

Evaporative Emissions by Component   Weathered RVP: 7.0   Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.35	0.40	0.41	0.41	3.30				14.19	
WtDiurnal	0.34	0.46	0.48	0.46	8.07				1.83	
Multiple	1.95	2.14	2.12	2.14	12.22					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	1.43	1.66	1.87	5.58				8.70		
DailyDiurnal	0.02	0.03	0.03	0.34				1.53		
Temperature Rise Share =		24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.43	1.67	1.87		5.66	0.86	1.22	3.50	9.07	
Evaporat HC:	0.05	0.06	0.05		0.62				3.14	
WtDiurnal	0.15	0.19	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 93F19T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.9	10.9	10.9		10.9	10.9	10.9	10.9	10.9	
VMT Mix:	0.916	0.015	0.010		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.05	1.29	1.44	1.35	4.12	0.75	1.06	3.04	6.76	1.136
Exhaust HC:	0.80	1.01	1.16	1.07	3.04	0.75	1.06	3.04	3.92	0.855
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.30	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.17	0.19	0.20	0.19	0.45					0.165
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.034
Exhaust CO:	11.00	12.81	14.33	13.42	34.32	2.43	2.74	19.02	39.51	11.169
Exhaust NOX:	0.92	1.15	1.36	1.23	3.68	1.42	1.59	9.87	0.72	0.990

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.28	0.30	0.30	0.30	2.20				8.64
WtDiurnal	0.36	0.49	0.52	0.50	9.11				4.50
Multiple	1.98	2.12	2.10	2.12	14.48				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.03	0.04	0.04	0.04	0.05				0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54	
HC,NoDiurnal	1.04	1.27	1.42	3.87				6.22	
DailyDiurnal	0.02	0.03	0.03	0.34				1.53	
Temperature Rise Share = 37.50%									
DiurnalShare	0.01	0.01	0.01	0.13				0.57	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.05	1.28	1.44		4.00	0.75	1.06	3.04	6.79
Evaporat HC:	0.05	0.05	0.05		0.47				2.33
WtDiurnal	0.23	0.30	0.38		4.68				4.76

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Chester County MOBILE Output Files
2005 Control Strategy Scenario

MOBILE5 Processing Report

MOB5a_H I/M Program Options (Nov-95)

M 49 Warning:
1.00 MYR sum not = 1. (will normalize)

M 49 Warning:
1.00 MYR sum not = 1. (will normalize)

M114 Warning:
Purge Check emission benefits assume the use of a dynomometer and the IM240 transient test procedure driving cycle.

I/M program #1 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1975
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #1 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Idle
Cutpoints, HC: 220.000
Cutpoints, CO: 1.200
Cutpoints, NOx: 999.000

I/M program #2 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1981
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #2 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Loaded / Idle
Cutpoints, HC: 50.000
Cutpoints, CO: 15.000
Cutpoints, NOx: 1.000

Functional Check Program Description:

Check	Start (Jan1)	Model Yrs Covered	Vehicle Classes Covered LDGV	LDGT1	LDGT2	HDGV	Inspection Type	Freq	Comp Rate
Press	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
Purge	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
ATP	1998	1975-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%

Air pump system disablements: Yes Catalyst removals: Yes

Fuel inlet restrictor disablements:	Yes	Tailpipe lead deposit test:	No
EGR disablement:	Yes	Evaporative system disablements:	Yes
PCV system disablements:	Yes	Missing gas caps:	Yes

VOC HC emission factors include all evaporative HC emission factors, except for refueling emissions.

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 1T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.9	64.9	64.9		64.9	64.9	64.9	64.9	64.9	
VMT Mix:	0.790	0.076	0.053		0.010	0.034	0.007	0.019	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.57	0.63	0.59	1.44	0.23	0.32	0.94	7.60	0.549
Exhaust HC:	0.32	0.42	0.50	0.45	0.48	0.23	0.32	0.94	2.38	0.368
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.08					0.015
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	4.53	6.05	7.15	6.50	15.81	0.86	0.97	6.81	33.00	5.107
Exhaust NOX:	1.36	1.75	2.09	1.89	5.58	1.91	2.16	13.51	1.64	1.726

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

Jser supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

'A 151F 1T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
'eh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.794	0.074	0.052		0.010	0.034	.0.007	0.018	0.011	
'omposite Emission Factors (Gm/Mile)										
OC HC:	0.41	0.53	0.60	0.56	1.18	0.23	0.32	0.94	5.32	0.493
xhaust HC:	0.32	0.42	0.50	0.46	0.48	0.23	0.32	0.94	2.40	0.368
vaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.080
efuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
uning L HC:	0.01	0.01	0.01	0.01	0.05					0.011
sting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.034
xhaust CO:	4.56	6.08	7.18	6.53	15.57	0.86	0.98	6.83	30.85	5.095
xhaust NOX:	1.35	1.75	2.09	1.89	5.55	1.92	2.17	13.57	1.70	1.710

vaporative Emissions by Component Weathered RVP: 7.2
Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
ot Soak	0.29	0.32	0.33	0.33	2.49	10.56
tDiurnal	0.33	0.45	0.47	0.45	7.73	1.59
ultiple	1.86	2.02	2.00	2.01	11.72	
rankcase	0.00	0.00	0.00	0.00	0.01	0.00
efuel	0.00	0.00	0.00	0.00	0.00	
esting	0.04	0.04	0.04	0.04	0.05	0.17

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IURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
aily Veh Mi	31.10	26.30	33.70	36.70	8.30
tDiurn,g/mi	0.01	0.02	0.01	0.21	0.19
:,NoDiurnal	0.40	0.51	0.59	0.97	5.13
ailyDiurnal	0.02	0.03	0.03	0.33	1.53
emperature Rise Share = 31.25%					
iurnalShare	0.01	0.01	0.01	0.10	0.48

djusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
OC HC:	0.41	0.52	0.60	1.07	0.23	0.32	0.94	5.61
vaporat HC:	0.05	0.05	0.05	0.50				2.60
:Diurnal	0.19	0.25	0.32	3.78				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 1T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.8	64.8	64.8		64.8	64.8	64.8	64.8	64.8	
VMT Mix:	0.824	0.059	0.041		0.008	0.036	0.005	0.015	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.55	0.62	0.58	1.44	0.23	0.32	0.94	6.56	0.527
Exhaust HC:	0.32	0.42	0.50	0.45	0.49	0.23	0.32	0.94	2.37	0.362
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.103
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.016
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	4.51	6.03	7.12	6.47	16.39	0.86	0.97	6.79	35.84	5.065
Exhaust NOX:	1.36	1.76	2.10	1.90	5.60	1.90	2.15	13.45	1.58	1.656

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18		
HC,NoDiurnal	0.42	0.53	0.61	1.23				6.38		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.42	0.54	0.61		1.25	0.23	0.32	0.94	6.48	
Evaporat HC:	0.05	0.06	0.05		0.62				3.32	
WtDiurnal	0.04	0.05	0.07		0.84				0.88	

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ission factors are as of July 1st of the indicated calendar year.

er supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

151F 1T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
	------	------	------	------	------	------	------	------	------	------
h. Speeds:	64.9	64.9	64.9		64.9	64.9	64.9	64.9	64.9	
VMT Mix:	0.811	0.066	0.046		0.009	0.035	0.006	0.016	0.011	

mposite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
: HC:	0.42	0.55	0.61	0.57	1.35	0.23	0.32	0.94	6.17	0.512
haust HC:	0.32	0.42	0.50	0.45	0.48	0.23	0.32	0.94	2.38	0.364
aporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
fuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ning L HC:	0.01	0.02	0.02	0.02	0.08					0.014
ting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.041
haust CO:	4.53	6.05	7.15	6.50	15.94	0.86	0.97	6.81	34.08	5.068
haust NOX:	1.36	1.75	2.10	1.90	5.58	1.91	2.16	13.51	1.62	1.679

porative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
t Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
: Soak	0.34	0.39	0.40	0.40	3.22				14.19	
iurnal	0.33	0.44	0.47	0.45	7.82				1.83	
ltiple	1.86	2.07	2.05	2.07	11.93					
nkcase	0.00	0.00	0.00	0.00	0.01				0.00	
fuel	0.00	0.00	0.00	0.00	0.00					
ting	0.04	0.05	0.05	0.05	0.06				0.21	

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RNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
ly Veh Mi	31.10	26.30	33.70	36.70				8.30		
iurn,g/mi	0.01	0.02	0.01	0.21				0.22		
NoDiurnal	0.41	0.53	0.60	1.14				5.95		
lyDiurnal	0.02	0.03	0.03	0.33				1.53		
perature Rise Share =	24.31%									
rnalShare	0.00	0.01	0.01	0.08				0.37		

usted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
HC:	0.41	0.54	0.60		1.22	0.23	0.32	0.94	6.32	
porat HC:	0.05	0.05	0.05		0.61				3.21	
iurnal	0.15	0.19	0.25		2.94				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 1T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.733	0.104	0.073		0.014	0.031	0.009	0.026	0.010	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.52	0.59	0.55	1.13	0.23	0.32	0.94	5.30	0.497
Exhaust HC:	0.32	0.42	0.50	0.46	0.48	0.23	0.32	0.94	2.41	0.379
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.010
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.030
Exhaust CO:	4.56	6.08	7.18	6.53	15.33	0.86	0.98	6.83	29.07	5.215
Exhaust NOX:	1.35	1.74	2.08	1.88	5.54	1.92	2.17	13.57	1.75	1.846

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54		
HC,NoDiurnal	0.39	0.50	0.58	0.89				4.76		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.40	0.51	0.59		1.01	0.23	0.32	0.94	5.33	
Evaporât HC:	0.05	0.05	0.05		0.45				2.39	
WtDiurnal	0.23	0.30	0.38		4.54				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 2T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	52.7	52.7	52.7		52.7	52.7	52.7	52.7	52.7	
VMT Mix:	0.844	0.050	0.035		0.007	0.036	0.004	0.012	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.36	0.48	0.52	0.50	1.47	0.24	0.34	0.98	6.61	0.458
Exhaust HC:	0.23	0.33	0.38	0.35	0.48	0.24	0.34	0.98	1.40	0.268
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.131
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.03	0.02	0.12					0.021
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	2.32	3.23	3.71	3.43	10.78	0.68	0.77	5.40	9.75	2.536
Exhaust NOX:	1.03	1.26	1.51	1.36	5.15	1.24	1.40	8.76	1.22	1.194

Evaporative Emissions by Component Weathered RVP: 7.1
Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.33	0.38	0.39	0.39	3.12	13.73
WtDiurnal	0.66	0.85	0.89	0.86	12.06	12.66
Multiple	3.56	4.52	4.47	4.51	21.15	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.04	0.04	0.06	0.19

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 2T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	52.4	52.4	52.4		52.4	52.4	52.4	52.4	52.4	
VMT Mix:	0.843	0.051	0.035		0.007	0.036	0.004	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.33	0.44	0.48	0.46	1.20	0.24	0.34	0.99	4.32	0.399
Exhaust HC:	0.23	0.33	0.38	0.35	0.48	0.24	0.34	0.99	1.40	0.268
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.08					0.015
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	2.32	3.23	3.71	3.42	10.52	0.68	0.77	5.39	9.05	2.526
Exhaust NOX:	1.02	1.24	1.49	1.34	5.11	1.23	1.39	8.69	1.25	1.180

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19		
HC,NoDiurnal	0.32	0.42	0.47	0.99				4.13		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.33	0.43	0.48		1.09	0.24	0.34	0.99	4.61	
Evaporat HC:	0.05	0.05	0.05		0.50				2.60	
WtDiurnal	0.19	0.25	0.32		3.78				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 2T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	49.4	49.4	49.4		49.4	49.4	49.4	49.4	49.4	
VMT Mix:	0.879	0.033	0.023		0.004	0.038	0.003	0.008	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.36	0.47	0.52	0.49	1.53	0.24	0.35	1.02	5.59	0.432
Exhaust HC:	0.23	0.33	0.38	0.35	0.51	0.24	0.35	1.02	1.39	0.261
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.100
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.16					0.025
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	2.32	3.23	3.71	3.43	10.71	0.67	0.76	5.31	10.67	2.475
Exhaust NOX:	0.95	1.14	1.36	1.23	5.05	1.14	1.29	8.08	1.07	1.050

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.18
HC,NoDiurnal	0.35	0.45	0.51	1.32	5.41
DailyDiurnal	0.02	0.03	0.03	0.33	1.53
Temperature Rise Share =		6.94%			
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.35	0.46	0.51		1.34	0.24	0.35	1.02	5.51
Evaporat HC:	0.05	0.06	0.05		0.62				3.32
WtDiurnal	0.04	0.05	0.07		0.84				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 2T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	52.3	52.3	52.3		52.3	52.3	52.3	52.3	52.3	
VMT Mix:	0.826	0.058	0.041		0.008	0.036	0.005	0.015	0.011	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.34	0.46	0.50	0.48	1.39	0.24	0.34	0.99	5.18	0.425
Exhaust HC:	0.23	0.33	0.38	0.35	0.48	0.24	0.34	0.99	1.39	0.271
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.03	0.02	0.12					0.021
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.041
Exhaust CO:	2.32	3.23	3.71	3.43	10.80	0.68	0.77	5.38	10.07	2.564
Exhaust NOX:	1.02	1.25	1.49	1.35	5.14	1.23	1.38	8.67	1.19	1.215

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.40	0.40	3.22				14.19	
WtDiurnal	0.33	0.44	0.47	0.45	7.82				1.83	
Multiple	1.86	2.07	2.05	2.07	11.93					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.33	0.44	0.49	1.18				4.96		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		

Temperature Rise Share = 24.31%

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.33	0.45	0.49		1.26	0.24	0.34	0.99	5.33	
Evaporat HC:	0.05	0.05	0.05		0.61				3.21	
WtDiurnal	0.15	0.19	0.25		2.94				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 2T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	57.9	57.9	57.9		57.9	57.9	57.9	57.9	57.9	
VMT Mix:	0.845	0.049	0.034		0.007	0.036	0.005	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.46	0.51	0.48	1.13	0.23	0.33	0.95	4.59	0.416
Exhaust HC:	0.26	0.36	0.42	0.38	0.46	0.23	0.33	0.95	1.69	0.294
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.02	0.01	0.00					0.012
Rsting L HC:	0.03	0.03	0.03	0.03	0.06				0.54	0.031
Exhaust CO:	2.97	4.06	4.71	4.33	11.77	0.73	0.82	5.77	14.49	3.224
Exhaust NOX:	1.16	1.46	1.74	1.57	5.29	1.45	1.64	10.27	1.49	1.349

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54		
HC,NoDiurnal	0.34	0.44	0.50	0.89				4.05		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.35	0.45	0.51		1.01	0.23	0.33	0.95	4.62	
Evaporat HC:	0.05	0.05	0.05		0.45				2.39	
WtDiurnal	0.23	0.30	0.38		4.54				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 6T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	46.6	46.6	46.6		46.6	46.6	46.6	46.6	46.6	
VMT Mix:	0.871	0.036	0.026		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.49	0.54	0.51	1.55	0.25	0.36	1.05	6.62	0.465
Exhaust HC:	0.24	0.34	0.39	0.36	0.52	0.25	0.36	1.05	1.41	0.270
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.130
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.15					0.027
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	2.43	3.35	3.84	3.56	10.07	0.67	0.76	5.32	9.96	2.583
Exhaust NOX:	0.91	1.07	1.28	1.16	4.94	1.08	1.22	7.64	1.05	1.013

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 6T 1]
Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	46.9	46.9	46.9		46.9	46.9	46.9	46.9	46.9	
VMT Mix:	0.863	0.041	0.028		0.006	0.037	0.003	0.010	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.34	0.45	0.49	0.47	1.26	0.25	0.36	1.05	4.33	0.405
Exhaust HC:	0.24	0.33	0.39	0.36	0.51	0.25	0.36	1.05	1.41	0.270
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.019
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	2.41	3.32	3.81	3.52	9.89	0.67	0.76	5.32	9.20	2.570
Exhaust NOX:	0.90	1.07	1.27	1.15	4.92	1.09	1.23	7.68	1.08	1.022

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19	
HC,NoDiurnal	0.33	0.43	0.48	1.05				4.14	
DailyDiurnal	0.02	0.03	0.03	0.33				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.34	0.44	0.49		1.15	0.25	0.36	1.05	4.62
Evaporat HC:	0.05	0.05	0.05		0.50				2.60
WtDiurnal	0.19	0.25	0.32		3.78				3.97

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 6T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	44.7	44.7	44.7		44.7	44.7	44.7	44.7	44.7	
VMT Mix:	0.895	0.025	0.018		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.38	0.50	0.55	0.52	1.60	0.26	0.37	1.08	5.62	0.453
Exhaust HC:	0.25	0.35	0.40	0.37	0.55	0.26	0.37	1.08	1.42	0.274
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.099
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.04	0.04	0.04	0.19					0.035
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	2.59	3.53	4.03	3.74	10.44	0.68	0.77	5.37	11.25	2.705
Exhaust NOX:	0.91	1.08	1.29	1.17	4.89	1.05	1.18	7.40	1.00	0.979

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18		
HC,NoDiurnal	0.37	0.48	0.54	1.39				5.44		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.37	0.49	0.54		1.41	0.26	0.37	1.08	5.54	
Evaporat HC:	0.05	0.06	0.05		0.62				3.32	
WtDiurnal	0.04	0.05	0.07		0.84				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

(A 151F 6T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	46.4	46.4	46.4		46.4	46.4	46.4	46.4	46.4	
VMT Mix:	0.855	0.044	0.031		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.47	0.52	0.49	1.46	0.25	0.36	1.06	5.19	0.438
xhaust HC:	0.24	0.34	0.39	0.36	0.52	0.25	0.36	1.06	1.41	0.274
vaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.094
efuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
uning L HC:	0.03	0.03	0.03	0.03	0.15					0.027
sting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
xhaust CO:	2.45	3.37	3.86	3.57	10.15	0.67	0.76	5.32	10.32	2.631
xhaust NOX:	0.91	1.08	1.28	1.16	4.93	1.08	1.22	7.61	1.03	1.035

vaporative Emissions by Component Weathered RVP: 7.0
Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
ot Soak	0.34	0.39	0.40	0.40	3.22				14.19
tDiurnal	0.33	0.44	0.47	0.45	7.82				1.83
ultiple	1.86	2.07	2.05	2.07	11.93				
rankcase	0.00	0.00	0.00	0.00	0.01				0.00
efuel	0.00	0.00	0.00	0.00	0.00				
esting	0.04	0.05	0.05	0.05	0.06				0.21

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IURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

aily Veh Mi	31.10	26.30	33.70	36.70	8.30
tDiurn,g/mi	0.01	0.02	0.01	0.21	0.22
C,NoDiurnal	0.35	0.45	0.51	1.25	4.97
ailyDiurnal	0.02	0.03	0.03	0.33	1.53
emperature Rise Share =	24.31%				
iurnalShare	0.00	0.01	0.01	0.08	0.37

djusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
OC HC:	0.35	0.46	0.51		1.33	0.25	0.36	1.06	5.34
vaporat HC:	0.05	0.05	0.05		0.61				3.21
tDiurnal	0.15	0.19	0.25		2.94				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 151F 6T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)

Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	49.0	49.0	49.0		49.0	49.0	49.0	49.0	49.0	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.32	0.43	0.48	0.45	1.18	0.25	0.35	1.02	4.30	0.384
Exhaust HC:	0.23	0.33	0.38	0.35	0.49	0.25	0.35	1.02	1.40	0.260
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.08					0.016
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
Exhaust CO:	2.32	3.23	3.71	3.43	9.89	0.67	0.76	5.31	8.53	2.437
Exhaust NOX:	0.93	1.10	1.32	1.19	4.98	1.13	1.28	8.01	1.16	1.017

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)

Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54		
HC,NoDiurnal	0.31	0.41	0.47	0.94				3.76		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.32	0.42	0.48		1.06	0.25	0.35	1.02	4.33	
Evaporat HC:	0.05	0.05	0.05		0.45				2.39	
WtDiurnal	0.23	0.30	0.38		4.54				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 7T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.7	37.7	37.7		37.7	37.7	37.7	37.7	37.7	
VMT Mix:	0.881	0.032	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.45	0.57	0.62	0.59	1.74	0.30	0.42	1.23	6.78	0.537
Exhaust HC:	0.29	0.39	0.46	0.42	0.66	0.30	0.42	1.23	1.56	0.321
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.20					0.049
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	3.31	4.33	4.91	4.57	10.55	0.74	0.84	5.88	12.14	3.429
Exhaust NOX:	0.90	1.07	1.28	1.15	4.62	0.97	1.10	6.87	0.99	0.977

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 7T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	38.0	38.0	38.0		38.0	38.0	38.0	38.0	38.0	
VMT Mix:	0.873	0.035	0.025		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.41	0.52	0.57	0.54	1.43	0.30	0.42	1.23	4.48	0.470
Exhaust HC:	0.29	0.39	0.45	0.42	0.65	0.30	0.42	1.23	1.56	0.321
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.03	0.04	0.03	0.13					0.035
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	3.27	4.29	4.87	4.53	10.30	0.74	0.84	5.85	11.17	3.399
Exhaust NOX:	0.89	1.06	1.27	1.15	4.61	0.97	1.10	6.89	1.03	0.985

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19		
HC,NoDiurnal	0.40	0.50	0.56	1.22				4.29		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		
Adjusted HC Emission Factors:										
VOC HC:	0.41	0.51	0.57		1.32	0.30	0.42	1.23	4.77	
Evaporat HC:	0.05	0.05	0.05		0.50				2.60	
WtDiurnal	0.19	0.25	0.32		3.78				3.97	

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nission factors are as of July 1st of the indicated calendar year.

ser supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

\ 151F 7T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
:h. Speeds:	36.3	36.3	36.3		36.3	36.3	36.3	36.3	36.3	
VMT Mix:	0.900	0.022	0.016		0.003	0.039	0.002	0.005	0.013	
mposite Emission Factors (Gm/Mile)										
C HC:	0.46	0.58	0.64	0.60	1.82	0.31	0.44	1.27	5.80	0.534
haust HC:	0.30	0.40	0.47	0.43	0.71	0.31	0.44	1.27	1.60	0.328
aporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.102
fuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
nning L HC:	0.06	0.06	0.06	0.06	0.24					0.058
ting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.047
haust CO:	3.49	4.53	5.13	4.78	11.25	0.77	0.86	6.06	13.87	3.598
haust NOX:	0.90	1.07	1.28	1.16	4.59	0.97	1.09	6.83	0.95	0.953

aporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
ot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
t Soak	0.37	0.43	0.44	0.43	3.64				16.13	
Diurnal	0.32	0.44	0.46	0.45	7.70				1.52	
ltiple	1.84	2.08	2.07	2.08	11.68					
ankcase	0.00	0.00	0.00	0.00	0.01				0.00	
fuel	0.00	0.00	0.00	0.00	0.00					
sting	0.05	0.05	0.05	0.05	0.07				0.23	

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URNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
ily Veh Mi	31.10	26.30	33.70	36.70				8.30		
Diurn,g/mi	0.01	0.02	0.01	0.21				0.18		
,NoDiurnal	0.45	0.56	0.63	1.61				5.62		
ilyDiurnal	0.02	0.03	0.03	0.33				1.53		
mperature Rise Share =		6.94%								
urnalShare	0.00	0.00	0.00	0.02				0.11		

justed HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
C HC:	0.45	0.57	0.63		1.63	0.31	0.44	1.27	5.72	
aporat HC:	0.05	0.06	0.05		0.62				3.32	
Diurnal	0.04	0.05	0.07		0.84				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 7T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.7	37.7	37.7		37.7	37.7	37.7	37.7	37.7	
VMT Mix:	0.864	0.040	0.028		0.005	0.037	0.004	0.010	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.43	0.55	0.60	0.57	1.65	0.30	0.42	1.23	5.35	0.509
Exhaust HC:	0.29	0.39	0.46	0.42	0.66	0.30	0.42	1.23	1.56	0.325
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.094
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.20					0.048
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
Exhaust CO:	3.31	4.33	4.91	4.57	10.64	0.74	0.84	5.88	12.54	3.465
Exhaust NOX:	0.90	1.07	1.28	1.16	4.63	0.97	1.10	6.87	0.98	0.998

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.40	0.40	3.22				14.19	
WtDiurnal	0.33	0.44	0.47	0.45	7.82				1.83	
Multiple	1.86	2.07	2.05	2.07	11.93					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.42	0.53	0.59	1.44				5.13		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.42	0.54	0.59		1.52	0.30	0.42	1.23	5.50	
Evaporat HC:	0.05	0.05	0.05		0.61				3.21	
WtDiurnal	0.15	0.19	0.25		2.94				3.09	

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ission factors are as of July 1st of the indicated calendar year.

er supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

151F 7T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
h. Speeds:	39.1	39.1	39.1		39.1	39.1	39.1	39.1	39.1	
VMT Mix:	0.896	0.024	0.017		0.003	0.039	0.002	0.006	0.013	

mposite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
C HC:	0.39	0.50	0.55	0.52	1.35	0.29	0.41	1.20	4.43	0.450
haust HC:	0.28	0.38	0.44	0.41	0.63	0.29	0.41	1.20	1.54	0.308
aporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.080
fuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ning L HC:	0.03	0.03	0.03	0.03	0.11					0.031
ting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
haust CO:	3.15	4.15	4.71	4.38	10.00	0.73	0.82	5.74	10.20	3.225
haust NOX:	0.89	1.06	1.26	1.14	4.63	0.98	1.11	6.94	1.07	0.954

aporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
ot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
t Soak	0.27	0.29	0.29	0.29	2.14	8.64
Diurnal	0.35	0.47	0.50	0.48	8.86	4.50
ltiple	1.89	2.05	2.03	2.04	14.17	
ankcase	0.00	0.00	0.00	0.00	0.01	0.00
fuel	0.00	0.00	0.00	0.00	0.00	
sting	0.03	0.04	0.04	0.04	0.05	0.15

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JRNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
ily Veh Mi	31.10	26.30	33.70	36.70	8.30
Diurn,g/mi	0.01	0.02	0.01	0.24	0.54
,NoDiurnal	0.38	0.48	0.54	1.11	3.89
ilyDiurnal	0.02	0.03	0.03	0.33	1.53
mperature Rise Share = 37.50%					
ırnalShare	0.01	0.01	0.01	0.12	0.57

justed HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
C HC:	0.39	0.49	0.55	1.23	0.29	0.41	1.20	4.46
aporat HC:	0.05	0.05	0.05	0.45				2.39
Diurnal	0.23	0.30	0.38	4.54				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 151F 8T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.0	39.0	39.0		39.0	39.0	39.0	39.0	39.0	
VMT Mix:	0.859	0.042	0.030		0.006	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.56	0.61	0.58	1.70	0.29	0.41	1.20	6.74	0.531
Exhaust HC:	0.28	0.38	0.44	0.41	0.63	0.29	0.41	1.20	1.53	0.317
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.131
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.046
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	3.16	4.16	4.73	4.40	10.37	0.73	0.82	5.75	11.70	3.319
Exhaust NOX:	0.90	1.07	1.28	1.16	4.67	0.98	1.11	6.93	1.00	1.004

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 8T 1]
Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.1	39.1	39.1		39.1	39.1	39.1	39.1	39.1	
VMT Mix:	0.849	0.048	0.033		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.51	0.56	0.53	1.40	0.29	0.41	1.20	4.45	0.466
Exhaust HC:	0.28	0.38	0.44	0.41	0.63	0.29	0.41	1.20	1.53	0.318
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.12					0.033
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	3.15	4.15	4.71	4.38	10.15	0.73	0.82	5.74	10.83	3.309
Exhaust NOX:	0.89	1.06	1.27	1.15	4.65	0.98	1.11	6.94	1.04	1.009

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19		
HC,NoDiurnal	0.39	0.49	0.55	1.19				4.26		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.40	0.50	0.56		1.29	0.29	0.41	1.20	4.74	
Evaporat HC:	0.05	0.05	0.05		0.50				2.60	
WtDiurnal	0.19	0.25	0.32		3.78				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 8T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	38.4	38.4	38.4		38.4	38.4	38.4	38.4	38.4	
VMT Mix:	0.886	0.029	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.55	0.61	0.58	1.75	0.29	0.42	1.22	5.74	0.512
Exhaust HC:	0.28	0.39	0.45	0.41	0.66	0.29	0.42	1.22	1.54	0.314
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.100
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.06	0.06	0.23					0.052
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	3.23	4.24	4.81	4.48	10.88	0.73	0.83	5.81	13.01	3.354
Exhaust NOX:	0.90	1.08	1.28	1.16	4.66	0.98	1.10	6.90	0.96	0.976

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18	
HC,NoDiurnal	0.43	0.53	0.60	1.54				5.56	
DailyDiurnal	0.02	0.03	0.03	0.33				1.53	
Temperature Rise Share =		6.94%							
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

VOC HC:	0.43	0.54	0.60	1.56	0.29	0.42	1.22	5.66
Evaporat HC:	0.05	0.06	0.05	0.62				3.32
WtDiurnal	0.04	0.05	0.07	0.84				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 151F 8T 3]

Period 1 RVP: 8.7   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.0	39.0	39.0		39.0	39.0	39.0	39.0	39.0	
VMT Mix:	0.837	0.053	0.037		0.007	0.036	0.005	0.013	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.42	0.53	0.59	0.56	1.61	0.29	0.41	1.20	5.31	0.504
Exhaust HC:	0.28	0.38	0.44	0.41	0.64	0.29	0.41	1.20	1.53	0.322
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.045
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
Exhaust CO:	3.16	4.16	4.73	4.39	10.46	0.73	0.82	5.75	12.08	3.361
Exhaust NOX:	0.90	1.07	1.28	1.16	4.67	0.98	1.11	6.93	0.99	1.033

Evaporative Emissions by Component   Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.34	0.39	0.40	0.40	3.22	14.19
WtDiurnal	0.33	0.44	0.47	0.45	7.82	1.83
Multiple	1.86	2.07	2.05	2.07	11.93	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.22
HC,NoDiurnal	0.41	0.51	0.58	1.40	5.09
DailyDiurnal	0.02	0.03	0.03	0.33	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.41	0.52	0.58		1.48	0.29	0.41	1.20	5.46
Evaporat HC:	0.05	0.05	0.05		0.61				3.21
WtDiurnal	0.15	0.19	0.25		2.94				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 8T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.5	39.5	39.5		39.5	39.5	39.5	39.5	39.5	
VMT Mix:	0.881	0.032	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.38	0.49	0.55	0.52	1.34	0.29	0.41	1.19	4.42	0.447
Exhaust HC:	0.28	0.38	0.44	0.40	0.62	0.29	0.41	1.19	1.53	0.308
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.11					0.030
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
Exhaust CO:	3.10	4.10	4.66	4.33	9.95	0.72	0.81	5.70	10.09	3.202
Exhaust NOX:	0.89	1.06	1.27	1.14	4.65	0.98	1.11	6.96	1.07	0.974

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54		
HC,NoDiurnal	0.37	0.47	0.54	1.10				3.88		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.38	0.48	0.55		1.22	0.29	0.41	1.19	4.45	
Evaporat HC:	0.05	0.05	0.05		0.45				2.39	
WtDiurnal	0.23	0.30	0.38		4.54				4.76	

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ıission factors are as of July 1st of the indicated calendar year.

ıer supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

, 151F 9T 24HR]
Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
:h. Speeds:	27.9	27.9	27.9		27.9	27.9	27.9	27.9	27.9	
VMT Mix:	0.857	0.043	0.030		0.006	0.037	0.004	0.011	0.012	
mposite Emission Factors (Gm/Mile)										
C HC:	0.57	0.70	0.77	0.73	2.16	0.38	0.55	1.59	7.17	0.674
haust HC:	0.38	0.50	0.58	0.53	1.01	0.38	0.55	1.59	1.96	0.429
aporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.131
fuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ning L HC:	0.08	0.07	0.08	0.07	0.28					0.076
ting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
haust CO:	4.93	6.14	6.89	6.45	13.59	0.98	1.11	7.76	17.26	5.110
haust NOX:	0.87	1.06	1.27	1.15	4.28	0.99	1.11	6.97	0.89	0.987

aporative Emissions by Component Weathered RVP: 7.1
ot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
t Soak	0.33	0.38	0.39	0.39	3.12				13.73	
Diurnal	0.66	0.85	0.89	0.86	12.06				12.66	
ltiple	3.56	4.52	4.47	4.51	21.15					
ankcase	0.00	0.00	0.00	0.00	0.01				0.00	
fuel	0.00	0.00	0.00	0.00	0.00					
sting	0.04	0.05	0.04	0.04	0.06				0.19	

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IS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
ıly Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
ıly Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
ıly Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 9T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.1	28.1	28.1		28.1	28.1	28.1	28.1	28.1	
VMT Mix:	0.846	0.048	0.034		0.007	0.037	0.004	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.52	0.64	0.71	0.67	1.82	0.38	0.54	1.59	4.87	0.599
Exhaust HC:	0.38	0.49	0.57	0.53	0.99	0.38	0.54	1.59	1.95	0.429
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.05	0.05	0.18					0.054
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	4.88	6.09	6.84	6.40	13.23	0.98	1.10	7.71	15.89	5.073
Exhaust NOX:	0.87	1.06	1.26	1.14	4.26	0.98	1.11	6.96	0.92	0.996

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19		
HC,NoDiurnal	0.51	0.62	0.70	1.61				4.68		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =	31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48		
Adjusted HC Emission Factors:										
VOC HC:	0.52	0.63	0.71		1.71	0.38	0.54	1.59	5.16	
Evaporat HC:	0.05	0.05	0.05		0.50				2.60	
WtDiurnal	0.19	0.25	0.32		3.78				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 151F 9T 2]
Period 1 RVP: 8.7   Minimum Temp: 91. (F)   Maximum Temp: 96. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	27.0	27.0	27.0		27.0	27.0	27.0	27.0	27.0	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.58	0.71	0.79	0.74	2.28	0.39	0.56	1.64	6.20	0.665
Exhaust HC:	0.39	0.51	0.59	0.54	1.08	0.39	0.56	1.64	2.00	0.432
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.100
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.09	0.09	0.09	0.34					0.087
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	5.14	6.37	7.15	6.69	14.64	1.02	1.15	8.03	19.58	5.280
Exhaust NOX:	0.88	1.07	1.27	1.15	4.26	0.99	1.12	7.03	0.84	0.952

Evaporative Emissions by Component   Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.43	0.44	0.43	3.64	16.13
WtDiurnal	0.32	0.44	0.46	0.45	7.70	1.52
Multiple	1.84	2.08	2.07	2.08	11.68	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.18
HC,NoDiurnal	0.57	0.69	0.78	2.07	6.02
DailyDiurnal	0.02	0.03	0.03	0.33	1.53
Temperature Rise Share = 6.94%					
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.57	0.70	0.78	2.09	0.39	0.56	1.64	6.12
Evaporat HC:	0.05	0.06	0.05	0.62				3.32
WtDiurnal	0.04	0.05	0.07	0.84				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 151F 9T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.0	28.0	28.0		28.0	28.0	28.0	28.0	28.0	
VMT Mix:	0.836	0.054	0.037		0.007	0.036	0.005	0.013	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.55	0.67	0.75	0.70	2.07	0.38	0.54	1.59	5.74	0.645
Exhaust HC:	0.38	0.50	0.57	0.53	1.00	0.38	0.54	1.59	1.95	0.433
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.08	0.07	0.28					0.075
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
Exhaust CO:	4.91	6.11	6.86	6.42	13.66	0.98	1.10	7.74	17.75	5.136
Exhaust NOX:	0.88	1.07	1.27	1.15	4.28	0.98	1.11	6.97	0.88	1.010

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.40	0.40	3.22				14.19	
WtDiurnal	0.33	0.44	0.47	0.45	7.82				1.83	
Multiple	1.86	2.07	2.05	2.07	11.93					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.54	0.65	0.74	1.86				5.52		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.54	0.66	0.74		1.94	0.38	0.54	1.59	5.89	
Evaporat HC:	0.05	0.05	0.05		0.61				3.21	
WtDiurnal	0.15	0.19	0.25		2.94				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 151F 9T 4]

Period 1 RVP: 8.7   Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.7	28.7	28.7		28.7	28.7	28.7	28.7	28.7	
VMT Mix:	0.881	0.032	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.50	0.62	0.69	0.65	1.72	0.37	0.53	1.56	4.83	0.569
Exhaust HC:	0.37	0.49	0.56	0.52	0.96	0.37	0.53	1.56	1.93	0.411
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.16					0.050
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
Exhaust CO:	4.76	5.94	6.68	6.24	12.75	0.95	1.08	7.54	14.62	4.853
Exhaust NOX:	0.87	1.05	1.26	1.14	4.27	0.98	1.11	6.93	0.96	0.951

Evaporative Emissions by Component   Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.14	8.64
WtDiurnal	0.35	0.47	0.50	0.48	8.86	4.50
Multiple	1.89	2.05	2.03	2.04	14.17	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.05	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.24	0.54
HC,NoDiurnal	0.49	0.60	0.68	1.48	4.29
DailyDiurnal	0.02	0.03	0.03	0.33	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.12	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.50	0.61	0.69	1.60	0.37	0.53	1.56	4.86
Evaporat HC:	0.05	0.05	0.05	0.45				2.39
WtDiurnal	0.23	0.30	0.38	4.54				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 152F12T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.868	0.038	0.027		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.57	0.63	0.60	1.44	0.23	0.32	0.94	7.61	0.537
Exhaust HC:	0.32	0.42	0.50	0.46	0.48	0.23	0.32	0.94	2.39	0.355
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.130
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.08					0.014
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	4.56	6.08	7.18	6.54	15.88	0.86	0.98	6.83	33.24	4.955
Exhaust NOX:	1.36	1.75	2.10	1.90	5.58	1.92	2.17	13.57	1.64	1.552

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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mission factors are as of July 1st of the indicated calendar year.

ser supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

A 152F12T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
	------	------	------	------	------	------	------	------	------	------
eh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.882	0.031	0.022		0.004	0.038	·0.003	0.008	0.012	
omposite Emission Factors (Gm/Mile)										
OC HC:	0.41	0.53	0.60	0.56	1.18	0.23	0.32	0.94	5.32	0.477
xhaust HC:	0.32	0.42	0.50	0.46	0.48	0.23	0.32	0.94	2.40	0.352
vaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.079
efuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
uning L HC:	0.01	0.01	0.01	0.01	0.05					0.011
sting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
xhaust CO:	4.56	6.08	7.18	6.54	15.57	0.86	0.98	6.83	30.85	4.888
xhaust NOX:	1.35	1.75	2.09	1.89	5.55	1.92	2.17	13.57	1.70	1.523

vaporative Emissions by Component Weathered RVP: 7.2
Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
ot Soak	0.29	0.32	0.33	0.33	2.49				10.56
tDiurnal	0.33	0.45	0.47	0.45	7.73				1.59
ultiple	1.86	2.02	2.00	2.01	11.72				
rankcase	0.00	0.00	0.00	0.00	0.01				0.00
efuel	0.00	0.00	0.00	0.00	0.00				
esting	0.04	0.04	0.04	0.04	0.05				0.17

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IURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
aily Veh Mi	31.10	26.30	33.70	36.70				8.30	
tDiurn,g/mi	0.01	0.02	0.01	0.21				0.19	
:,NoDiurnal	0.40	0.51	0.59	0.97				5.13	
ailyDiurnal	0.02	0.03	0.03	0.33				1.53	
emperature Rise Share = 31.25%									
iurnalShare	0.01	0.01	0.01	0.10				0.48	

djusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
OC HC:	0.41	0.52	0.60		1.07	0.23	0.32	0.94	5.61
vaporat HC:	0.05	0.05	0.05		0.50				2.60
:Diurnal	0.19	0.25	0.32		3.78				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 152F12T 2]   Minimum Temp: 91. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.9	64.9	64.9		64.9	64.9	64.9	64.9	64.9	
VMT Mix:	0.890	0.027	0.019		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.56	0.62	0.58	1.44	0.23	0.32	0.94	6.57	0.511
Exhaust HC:	0.32	0.42	0.50	0.45	0.49	0.23	0.32	0.94	2.38	0.350
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.100
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.016
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	4.54	6.05	7.16	6.51	16.46	0.86	0.97	6.81	36.10	4.918
Exhaust NOX:	1.36	1.76	2.11	1.90	5.60	1.91	2.16	13.51	1.58	1.517

Evaporative Emissions by Component   Weathered RVP: 6.9   Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18		
HC,NoDiurnal	0.42	0.54	0.61	1.23				6.39		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.42	0.55	0.61		1.25	0.23	0.32	0.94	6.49	
Evaporat HC:	0.05	0.06	0.05		0.62				3.32	
WtDiurnal	0.04	0.05	0.07		0.84				0.88	

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nission factors are as of July 1st of the indicated calendar year.

ser supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

A 152F12T 3]

Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
ɜh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.877	0.034	0.024		0.004	0.038	0.003	0.008	0.012	

omposite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
C HC:	0.42	0.55	0.61	0.57	1.35	0.23	0.32	0.94	6.18	0.502
haust HC:	0.32	0.42	0.50	0.46	0.48	0.23	0.32	0.94	2.39	0.353
aporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
fuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ning L HC:	0.01	0.02	0.02	0.02	0.08					0.014
ting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
haust CO:	4.56	6.08	7.18	6.54	16.02	0.86	0.98	6.83	34.32	4.941
haust NOX:	1.36	1.76	2.10	1.90	5.59	1.92	2.17	13.57	1.62	1.535

aporative Emissions by Component Weathered RVP: 7.0
ot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
t Soak	0.34	0.39	0.40	0.40	3.22	14.19
Diurnal	0.33	0.44	0.47	0.45	7.82	1.83
ltiple	1.86	2.07	2.05	2.07	11.93	
ankcase	0.00	0.00	0.00	0.00	0.01	0.00
fuel	0.00	0.00	0.00	0.00	0.00	
sting	0.04	0.05	0.05	0.05	0.06	0.21

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URNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
ily Veh Mi	31.10	26.30	33.70	36.70	8.30
Diurn,g/mi	0.01	0.02	0.01	0.21	0.22
,NoDiurnal	0.41	0.53	0.60	1.14	5.96
ilyDiurnal	0.02	0.03	0.03	0.33	1.53
mperature Rise Share = 24.31%					
urnalShare	0.00	0.01	0.01	0.08	0.37

justed HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
C HC:	0.41	0.54	0.60		1.22	0.23	0.32	0.94	6.33
aporat HC:	0.05	0.05	0.05		0.61				3.21
Diurnal	0.15	0.19	0.25		2.94				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 152F12T 4] Period 1 RVP: 8.7 Minimum Temp: 71. (F) Period 2 RVP: 8.7 Maximum Temp: 85. (F) Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.822	0.060	0.042		0.008	0.036	0.005	0.015	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.52	0.59	0.55	1.13	0.23	0.32	0.94	5.30	0.485
Exhaust HC:	0.32	0.42	0.50	0.46	0.48	0.23	0.32	0.94	2.41	0.364
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.010
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
Exhaust CO:	4.56	6.08	7.18	6.53	15.33	0.86	0.98	6.83	29.07	5.022
Exhaust NOX:	1.35	1.74	2.08	1.88	5.54	1.92	2.17	13.57	1.75	1.647

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54	
HC,NoDiurnal	0.39	0.50	0.58	0.89				4.76	
DailyDiurnal	0.02	0.03	0.03	0.33				1.53	
Temperature Rise Share =	37.50%								
DiurnalShare	0.01	0.01	0.01	0.12				0.57	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.40	0.51	0.59		1.01	0.23	0.32	0.94	5.33
Evaporat HC:	0.05	0.05	0.05		0.45				2.39
WtDiurnal	0.23	0.30	0.38		4.54				4.76

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.ssion factors are as of July 1st of the indicated calendar year.

:r supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

152F14T 24HR]
Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

'eh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
.. Speeds:	57.6	57.6	57.6		57.6	57.6	57.6	57.6	57.6	
VMT Mix:	0.839	0.052	0.036		0.007	0.036	0.005	0.013	0.012	
posite Emission Factors (Gm/Mile)										
HC:	0.38	0.50	0.55	0.52	1.44	0.23	0.33	0.95	6.87	0.479
aust HC:	0.25	0.35	0.41	0.38	0.46	0.23	0.33	0.95	1.65	0.292
porat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.131
uel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ing L HC:	0.02	0.02	0.02	0.02	0.10					0.018
ing L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
aust CO:	2.90	3.97	4.61	4.23	12.09	0.73	0.82	5.74	15.86	3.188
aust NOX:	1.16	1.46	1.74	1.57	5.32	1.44	1.62	10.17	1.39	1.360

porative Emissions by Component Weathered RVP: 7.1
t Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Soak	0.33	0.38	0.39	0.39	3.12				13.73	
iurnal	0.66	0.85	0.89	0.86	12.06				12.66	
tiple	3.56	4.52	4.47	4.51	21.15					
nkcase	0.00	0.00	0.00	0.00	0.01				0.00	
uel	0.00	0.00	0.00	0.00	0.00					
ting	0.04	0.05	0.04	0.04	0.06				0.19	

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; 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
ly Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
ly Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
ly Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 152F14T 1]   Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	57.7	57.7	57.7		57.7	57.7	57.7	57.7	57.7	
VMT Mix:	0.833	0.055	0.039		0.008	0.036	0.005	0.013	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.46	0.51	0.48	1.17	0.23	0.33	0.95	4.59	0.419
Exhaust HC:	0.26	0.35	0.41	0.38	0.46	0.23	0.33	0.95	1.67	0.293
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.06					0.013
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.034
Exhaust CO:	2.93	4.00	4.64	4.27	11.89	0.73	0.82	5.75	14.93	3.202
Exhaust NOX:	1.16	1.45	1.74	1.57	5.30	1.44	1.63	10.20	1.44	1.365

Evaporative Emissions by Component   Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19		
HC,NoDiurnal	0.34	0.44	0.50	0.96				4.40		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.45	0.51		1.06	0.23	0.33	0.95	4.88	
Evaporat HC:	0.05	0.05	0.05		0.50				2.60	
WtDiurnal	0.19	0.25	0.32		3.78				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 152F14T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	56.3	56.3	56.3		56.3	56.3	56.3	56.3	56.3	
VMT Mix:	0.879	0.033	0.024		0.004	0.037	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.48	0.52	0.50	1.46	0.23	0.33	0.96	5.72	0.438
Exhaust HC:	0.24	0.34	0.40	0.36	0.48	0.23	0.33	0.96	1.52	0.272
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.100
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.03	0.02	0.12					0.020
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	2.61	3.60	4.16	3.84	12.15	0.71	0.80	5.62	14.01	2.806
Exhaust NOX:	1.14	1.41	1.69	1.53	5.30	1.38	1.56	9.74	1.30	1.255

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.43	0.44	0.43	3.64	16.13
WtDiurnal	0.32	0.44	0.46	0.45	7.70	1.52
Multiple	1.84	2.08	2.07	2.08	11.68	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.18
HC,NoDiurnal	0.35	0.46	0.51	1.25	5.54
DailyDiurnal	0.02	0.03	0.03	0.33	1.53
Temperature Rise Share = 6.94%					
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.35	0.47	0.51		1.27	0.23	0.33	0.96	5.64
Evaporat HC:	0.05	0.06	0.05		0.62				3.32
WtDiurnal	0.04	0.05	0.07		0.84				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 152F14T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	57.5	57.5	57.5		57.5	57.5	57.5	57.5	57.5	
VMT Mix:	0.823	0.060	0.042		0.008	0.036	0.005	0.015	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.48	0.53	0.50	1.35	0.23	0.33	0.95	5.43	0.444
Exhaust HC:	0.25	0.35	0.41	0.38	0.47	0.23	0.33	0.95	1.64	0.293
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.10					0.018
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.041
Exhaust CO:	2.88	3.94	4.58	4.20	12.16	0.72	0.82	5.73	16.13	3.190
Exhaust NOX:	1.16	1.46	1.74	1.57	5.32	1.43	1.62	10.13	1.37	1.387

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.40	0.40	3.22				14.19	
WtDiurnal	0.33	0.44	0.47	0.45	7.82				1.83	
Multiple	1.86	2.07	2.05	2.07	11.93					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.35	0.46	0.52	1.14				5.21		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.47	0.52		1.22	0.23	0.33	0.95	5.58	
Evaporat HC:	0.05	0.05	0.05		0.61				3.21	
WtDiurnal	0.15	0.19	0.25		2.94				3.09	

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mission factors are as of July 1st of the indicated calendar year.

ser supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 152F14T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
eh. Speeds:	59.2	59.2	59.2		59.2	59.2	59.2	59.2	59.2	
VMT Mix:	0.841	0.051	0.036		0.007	0.036	0.005	0.012	0.012	
omposite Emission Factors (Gm/Mile)										
OC HC:	0.36	0.47	0.52	0.49	1.12	0.23	0.32	0.95	4.72	0.428
xhaust HC:	0.27	0.37	0.43	0.39	0.46	0.23	0.32	0.95	1.82	0.306
vaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.079
efuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
uning L HC:	0.01	0.01	0.01	0.01	0.05					0.012
sting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
xhaust CO:	3.26	4.43	5.17	4.73	12.25	0.75	0.84	5.91	17.16	3.547
xhaust NOX:	1.19	1.51	1.80	1.63	5.33	1.52	1.72	10.75	1.54	1.394

vaporative Emissions by Component Weathered RVP: 7.3
Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
ot Soak	0.27	0.29	0.29	0.29	2.14	8.64
tDiurnal	0.35	0.47	0.50	0.48	8.86	4.50
ultiple	1.89	2.05	2.03	2.04	14.17	
rankcase	0.00	0.00	0.00	0.00	0.01	0.00
efuel	0.00	0.00	0.00	0.00	0.00	
esting	0.03	0.04	0.04	0.04	0.05	0.15

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IURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
aily Veh Mi	31.10	26.30	33.70	36.70	8.30
tDiurn,g/mi	0.01	0.02	0.01	0.24	0.54
C,NoDiurnal	0.35	0.45	0.51	0.88	4.18
ailyDiurnal	0.02	0.03	0.03	0.33	1.53
emperature Rise Share = 37.50%					
iurnalShare	0.01	0.01	0.01	0.12	0.57

djusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
OC HC:	0.36	0.46	0.52		1.00	0.23	0.32	0.95	4.75
vaporat HC:	0.05	0.05	0.05		0.45				2.39
tDiurnal	0.23	0.30	0.38		4.54				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 152F16T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	30.4	30.4	30.4		30.4	30.4	30.4	30.4	30.4	
VMT Mix:	0.832	0.055	0.039		0.007	0.036	0.005	0.014	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.53	0.66	0.72	0.69	2.02	0.36	0.51	1.48	7.05	0.642
Exhaust HC:	0.35	0.46	0.54	0.49	0.89	0.36	0.51	1.48	1.84	0.404
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.131
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.07	0.07	0.07	0.26					0.069
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	4.42	5.57	6.26	5.86	12.49	0.90	1.02	7.11	15.64	4.638
Exhaust NOX:	0.88	1.06	1.27	1.15	4.37	0.97	1.10	6.86	0.92	1.019

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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:mission factors are as of July 1st of the indicated calendar year.

'ser supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

A 152F16T 1]

Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
eh. Speeds:	30.6	30.6	30.6		30.6	30.6	30.6	30.6	30.6	
VMT Mix:	0.812	0.066	0.046		0.007	0.036	0.007	0.016	0.010	
omposite Emission Factors (Gm/Mile)										
OC HC:	0.48	0.60	0.67	0.63	1.69	0.35	0.50	1.47	4.75	0.562
xhaust HC:	0.35	0.46	0.54	0.49	0.88	0.35	0.50	1.47	1.83	0.404
vaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.076
efuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
uning L HC:	0.05	0.04	0.05	0.05	0.16					0.049
sting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.034
khaust CO:	4.38	5.52	6.22	5.81	12.17	0.89	1.01	7.07	14.40	4.589
khaust NOX:	0.88	1.06	1.26	1.14	4.35	0.97	1.09	6.85	0.95	1.033

vaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

ot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
tDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
ultiple	1.86	2.02	2.00	2.01	11.72					
rankcase	0.00	0.00	0.00	0.00	0.01				0.00	
efuel	0.00	0.00	0.00	0.00	0.00					
esting	0.04	0.04	0.04	0.04	0.05				0.17	

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URNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

ily Veh Mi	31.10	26.30	33.70	36.70				8.30		
:Diurn,g/mi	0.01	0.02	0.01	0.21				0.19		
:,NoDiurnal	0.47	0.58	0.66	1.48				4.56		
ilyDiurnal	0.02	0.03	0.03	0.33				1.53		
mperature Rise Share =		31.25%								
urnalShare	0.01	0.01	0.01	0.10				0.48		

ljusted HC Emission Factors:

C HC:	0.48	0.59	0.67	1.58	0.35	0.50	1.47	5.04	
aporat HC:	0.05	0.05	0.05	0.50				2.60	
Diurnal	0.19	0.25	0.32	3.78				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 152F16T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	29.6	29.6	29.6		29.6	29.6	29.6	29.6	29.6	
VMT Mix:	0.872	0.037	0.026		0.005	0.037	0.002	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.54	0.67	0.74	0.70	2.11	0.36	0.52	1.52	6.06	0.627
Exhaust HC:	0.36	0.47	0.55	0.51	0.95	0.36	0.52	1.52	1.87	0.402
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.08	0.09	0.08	0.31					0.079
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	4.57	5.74	6.46	6.03	13.34	0.92	1.04	7.31	17.65	4.748
Exhaust NOX:	0.88	1.07	1.28	1.16	4.35	0.97	1.10	6.89	0.88	0.977

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18		
HC,NoDiurnal	0.53	0.65	0.73	1.90				5.88		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.53	0.66	0.73		1.92	0.36	0.52	1.52	5.98	
Evaporat HC:	0.05	0.06	0.05		0.62				3.32	
WtDiurnal	0.04	0.05	0.07		0.84				0.88	

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ssion factors are as of July 1st of the indicated calendar year.

r supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

152F16T 3]

Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

'eh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
. Speeds:	30.4	30.4	30.4		30.4	30.4	30.4	30.4	30.4	
VMT Mix:	0.806	0.067	0.048		0.009	0.035	0.006	0.017	0.012	

posite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
HC:	0.52	0.63	0.70	0.66	1.93	0.36	0.51	1.48	5.62	0.617
aust HC:	0.35	0.46	0.54	0.50	0.89	0.36	0.51	1.48	1.84	0.412
porat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.096
uel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ing L HC:	0.07	0.07	0.07	0.07	0.25					0.068
ing L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
aust CO:	4.42	5.57	6.26	5.86	12.60	0.90	1.02	7.11	16.15	4.699
aust NOX:	0.88	1.07	1.27	1.15	4.37	0.97	1.10	6.86	0.91	1.052

porative Emissions by Component Weathered RVP: 7.0
t Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Soak	0.34	0.39	0.40	0.40	3.22	14.19
iurnal	0.33	0.44	0.47	0.45	7.82	1.83
tiple	1.86	2.07	2.05	2.07	11.93	
ıkcase	0.00	0.00	0.00	0.00	0.01	0.00
ıel	0.00	0.00	0.00	0.00	0.00	
ting	0.04	0.05	0.05	0.05	0.06	0.21

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RNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
ly Veh Mi	31.10	26.30	33.70	36.70	8.30
iurn,g/mi	0.01	0.02	0.01	0.21	0.22
‹oDiurnal	0.51	0.61	0.69	1.72	5.40
lyDiurnal	0.02	0.03	0.03	0.33	1.53
perature Rise Share = 24.31%					
rnalShare	0.00	0.01	0.01	0.08	0.37

isted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
HC:	0.51	0.62	0.69		1.80	0.36	0.51	1.48	5.77
porat HC:	0.05	0.05	0.05		0.61				3.21
urnal	0.15	0.19	0.25		2.94				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 152F16T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	31.1	31.1	31.1		31.1	31.1	31.1	31.1	31.1	
VMT Mix:	0.853	0.046	0.031		0.008	0.036	0.003	0.010	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.47	0.58	0.65	0.61	1.61	0.35	0.50	1.45	4.71	0.550
Exhaust HC:	0.34	0.46	0.53	0.49	0.85	0.35	0.50	1.45	1.82	0.391
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.04	0.04	0.04	0.15					0.045
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.032
Exhaust CO:	4.29	5.42	6.11	5.70	11.81	0.88	0.99	6.96	13.32	4.469
Exhaust NOX:	0.87	1.06	1.26	1.14	4.35	0.97	1.09	6.84	0.99	0.988

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54		
HC,NoDiurnal	0.46	0.56	0.64	1.37				4.17		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =	37.50%									
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.47	0.57	0.65		1.49	0.35	0.50	1.45	4.74	
Evaporat HC:	0.05	0.05	0.05		0.45				2.39	
WtDiurnal	0.23	0.30	0.38		4.54				4.76	

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iission factors are as of July 1st of the indicated calendar year.

ser supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

153F11T 24HR]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
h. Speeds:	64.9	64.9	64.9		64.9	64.9	64.9	64.9	64.9	
VMT Mix:	0.794	0.074	0.052		0.010	0.034	0.007	0.018	0.011	
mposite Emission Factors (Gm/Mile)										
C HC:	0.44	0.57	0.63	0.59	1.44	0.23	0.32	0.94	7.60	0.548
haust HC:	0.32	0.42	0.50	0.45	0.48	0.23	0.32	0.94	2.38	0.367
aporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.129
fuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ning L HC:	0.01	0.02	0.02	0.02	0.08					0.015
ting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
haust CO:	4.53	6.05	7.15	6.50	15.81	0.86	0.97	6.81	33.00	5.099
haust NOX:	1.36	1.75	2.09	1.89	5.58	1.91	2.16	13.51	1.64	1.712

aporative Emissions by Component Weathered RVP: 7.1
ot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
t Soak	0.33	0.38	0.39	0.39	3.12				13.73	
Diurnal	0.66	0.85	0.89	0.86	12.06				12.66	
ltiple	3.56	4.52	4.47	4.51	21.15					
ankcase	0.00	0.00	0.00	0.00	0.01				0.00	
fuel	0.00	0.00	0.00	0.00	0.00					
sting	0.04	0.05	0.04	0.04	0.06				0.19	

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IS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
ly Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
ly Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
ly Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F11T 1] Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.9	64.9	64.9		64.9	64.9	64.9	64.9	64.9	
VMT Mix:	0.822	0.060	0.042		0.008	0.036	0.006	0.015	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.41	0.53	0.59	0.56	1.18	0.23	0.32	0.94	5.31	0.485
Exhaust HC:	0.32	0.42	0.50	0.45	0.48	0.23	0.32	0.94	2.39	0.361
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.034
Exhaust CO:	4.53	6.05	7.15	6.50	15.50	0.86	0.97	6.81	30.63	4.990
Exhaust NOX:	1.35	1.74	2.08	1.88	5.55	1.91	2.16	13.51	1.70	1.649

Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
Evaporative Emissions by Component Running Loss Temp: 86.2 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19		
HC,NoDiurnal	0.40	0.51	0.58	0.97				5.12		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.41	0.52	0.59		1.07	0.23	0.32	0.94	5.60	
Evaporat HC:	0.05	0.05	0.05		0.50				2.60	
WtDiurnal	0.19	0.25	0.32		3.78				3.97	

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mission factors are as of July 1st of the indicated calendar year.

ser supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

A 153F11T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
eh. Speeds:	64.7	64.7	64.7		64.7	64.7	64.7	64.7	64.7	
VMT Mix:	0.839	0.052	0.037		0.007	0.036	0.005	0.013	0.011	
omposite Emission Factors (Gm/Mile)										
OC HC:	0.43	0.55	0.62	0.58	1.44	0.23	0.32	0.94	6.55	0.516
chaust HC:	0.32	0.42	0.50	0.45	0.49	0.23	0.32	0.94	2.36	0.356
vaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.099
efuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
uning L HC:	0.02	0.02	0.02	0.02	0.09					0.016
sting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.045
xhaust CO:	4.49	6.00	7.09	6.45	16.31	0.86	0.97	6.77	35.58	4.971
chaust NOX:	1.36	1.75	2.10	1.90	5.59	1.89	2.14	13.39	1.57	1.618

vaporative Emissions by Component Weathered RVP: 6.9

Iot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
ot Soak	0.37	0.43	0.44	0.43	3.64	16.13
Diurnal	0.32	0.44	0.46	0.45	7.70	1.52
ltiple	1.84	2.08	2.07	2.08	11.68	
rankcase	0.00	0.00	0.00	0.00	0.01	0.00
efuel	0.00	0.00	0.00	0.00	0.00	
esting	0.05	0.05	0.05	0.05	0.07	0.23

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URNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

ily Veh Mi	31.10	26.30	33.70	36.70	8.30
Diurn,g/mi	0.01	0.02	0.01	0.21	0.18
,NoDiurnal	0.42	0.53	0.61	1.23	6.37
ilyDiurnal	0.02	0.03	0.03	0.33	1.53
mperature Rise Share =		6.94%			
urnalShare	0.00	0.00	0.00	0.02	0.11

justed HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
C HC:	0.42	0.54	0.61		1.25	0.23	0.32	0.94	6.47
aporat HC:	0.05	0.06	0.05		0.62				3.32
Diurnal	0.04	0.05	0.07		0.84				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F11T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.9	64.9	64.9		64.9	64.9	64.9	64.9	64.9	
VMT Mix:	0.811	0.066	0.046		0.009	0.035	0.006	0.016	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.42	0.55	0.61	0.57	1.35	0.23	0.32	0.94	6.17	0.512
Exhaust HC:	0.32	0.42	0.50	0.45	0.48	0.23	0.32	0.94	2.38	0.364
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.08					0.014
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.041
Exhaust CO:	4.53	6.05	7.15	6.50	15.94	0.86	0.97	6.81	34.08	5.068
Exhaust NOX:	1.36	1.75	2.10	1.90	5.58	1.91	2.16	13.51	1.62	1.679

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.40	0.40	3.22				14.19	
WtDiurnal	0.33	0.44	0.47	0.45	7.82				1.83	
Multiple	1.86	2.07	2.05	2.07	11.93					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.41	0.53	0.60	1.14				5.95		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		
Adjusted HC Emission Factors:										
VOC HC:	0.41	0.54	0.60		1.22	0.23	0.32	0.94	6.32	
Evaporat HC:	0.05	0.05	0.05		0.61				3.21	
WtDiurnal	0.15	0.19	0.25		2.94				3.09	

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ssion factors are as of July 1st of the indicated calendar year.

r supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

153F11T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

eh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.709	0.116	0.081		0.016	0.029	0.010	0.029	0.010	
posite Emission Factors (Gm/Mile)										
HC:	0.40	0.52	0.59	0.55	1.13	0.23	0.32	0.94	5.30	0.503
aust HC:	0.32	0.42	0.50	0.46	0.48	0.23	0.32	0.94	2.41	0.384
porat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.079
uel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ing L HC:	0.01	0.01	0.01	0.01	0.05					0.010
ing L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.030
aust CO:	4.56	6.08	7.18	6.53	15.33	0.86	0.98	6.83	29.07	5.286
aust NOX:	1.35	1.74	2.08	1.88	5.54	1.92	2.17	13.57	1.75	1.901

porative Emissions by Component Weathered RVP: 7.3

t Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Soak	0.27	0.29	0.29	0.29	2.14				8.64
iurnal	0.35	0.47	0.50	0.48	8.86				4.50
tiple	1.89	2.05	2.03	2.04	14.17				
nkcase	0.00	0.00	0.00	0.00	0.01				0.00
uel	0.00	0.00	0.00	0.00	0.00				
ting	0.03	0.04	0.04	0.04	0.05				0.15

++

RNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
ly Veh Mi	31.10	26.30	33.70	36.70				8.30	
iurn,g/mi	0.01	0.02	0.01	0.24				0.54	
NoDiurnal	0.39	0.50	0.58	0.89				4.76	
lyDiurnal	0.02	0.03	0.03	0.33				1.53	
perature Rise Share = 37.50%									
rnalShare	0.01	0.01	0.01	0.12				0.57	
isted HC Emission Factors:									
HC:	0.40	0.51	0.59		1.01	0.23	0.32	0.94	5.33
porat HC:	0.05	0.05	0.05		0.45				2.39
iurnal	0.23	0.30	0.38		4.54				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F12T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	57.5	57.5	57.5		57.5	57.5	57.5	57.5	57.5	
VMT Mix:	0.877	0.034	0.024		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.38	0.50	0.55	0.52	1.44	0.23	0.33	0.95	6.86	0.468
Exhaust HC:	0.25	0.35	0.41	0.38	0.46	0.23	0.33	0.95	1.64	0.283
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.10					0.017
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	2.88	3.94	4.58	4.20	12.06	0.72	0.82	5.73	15.62	3.082
Exhaust NOX:	1.16	1.45	1.74	1.57	5.32	1.43	1.62	10.13	1.39	1.287

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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ssion factors are as of July 1st of the indicated calendar year.

r supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

153F12T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

eh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
. Speeds:	59.8	59.8	59.8		59.8	59.8	59.8	59.8	59.8	
VMT Mix:	0.889	0.028	0.019		0.004	0.038	0.003	0.007	0.012	
osite Emission Factors (Gm/Mile)										
HC:	0.37	0.48	0.54	0.50	1.17	0.23	0.32	0.94	4.80	0.429
ust HC:	0.27	0.37	0.44	0.40	0.46	0.23	0.32	0.94	1.88	0.303
orat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.079
el L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ng L HC:	0.01	0.01	0.02	0.01	0.06					0.012
ng L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
ust CO:	3.39	4.60	5.38	4.91	12.70	0.76	0.85	5.98	19.51	3.607
ust NOX:	1.22	1.54	1.84	1.66	5.37	1.55	1.76	10.99	1.51	1.339

orative Emissions by Component Weathered RVP: 7.2
Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Soak	0.29	0.32	0.33	0.33	2.49				10.56
urnal	0.33	0.45	0.47	0.45	7.73				1.59
iple	1.86	2.02	2.00	2.01	11.72				
kcase	0.00	0.00	0.00	0.00	0.01				0.00
el	0.00	0.00	0.00	0.00	0.00				
ing	0.04	0.04	0.04	0.04	0.05				0.17

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NAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
y Veh Mi	31.10	26.30	33.70	36.70				8.30	
urn,g/mi	0.01	0.02	0.01	0.21				0.19	
oDiurnal	0.36	0.46	0.53	0.96				4.61	
yDiurnal	0.02	0.03	0.03	0.33				1.53	
erature Rise Share = 31.25%									
nalShare	0.01	0.01	0.01	0.10				0.48	

sted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
HC:	0.37	0.47	0.54		1.06	0.23	0.32	0.94	5.09
orat HC:	0.05	0.05	0.05		0.50				2.60
urnal	0.19	0.25	0.32		3.78				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F12T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	50.8	50.8	50.8		50.8	50.8	50.8	50.8	50.8	
VMT Mix:	0.897	0.024	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.47	0.51	0.49	1.51	0.24	0.34	1.00	5.59	0.426
Exhaust HC:	0.23	0.33	0.38	0.35	0.50	0.24	0.34	1.00	1.39	0.257
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.099
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.03	0.03	0.03	0.15					0.024
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.046
Exhaust CO:	2.32	3.23	3.71	3.43	10.89	0.68	0.76	5.34	10.67	2.445
Exhaust NOX:	0.99	1.19	1.42	1.29	5.10	1.18	1.33	8.35	1.11	1.067

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18		
HC,NoDiurnal	0.34	0.45	0.50	1.30				5.41		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.34	0.46	0.50		1.32	0.24	0.34	1.00	5.51	
Evaporat HC:	0.05	0.06	0.05		0.62				3.32	
WtDiurnal	0.04	0.05	0.07		0.84				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

Iser supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

A 153F12T 3]

Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
	------	------	------	------	------	------	------	------	------	------
'eh. Speeds:	57.4	57.4	57.4		57.4	57.4	57.4	57.4	57.4	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
omposite Emission Factors (Gm/Mile)										
OC HC:	0.36	0.48	0.53	0.50	1.35	0.23	0.33	0.95	5.42	0.433
xhaust HC:	0.25	0.35	0.41	0.38	0.47	0.23	0.33	0.95	1.63	0.281
vaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
efuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
uning L HC:	0.02	0.02	0.02	0.02	0.10					0.017
sting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
xhaust CO:	2.86	3.91	4.54	4.17	12.12	0.72	0.82	5.72	15.89	3.051
xhaust NOX:	1.16	1.45	1.74	1.57	5.32	1.43	1.61	10.10	1.36	1.274

vaporative Emissions by Component Weathered RVP: 7.0
Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
ot Soak	0.34	0.39	0.40	0.40	3.22	14.19
tDiurnal	0.33	0.44	0.47	0.45	7.82	1.83
ultiple	1.86	2.07	2.05	2.07	11.93	
rankcase	0.00	0.00	0.00	0.00	0.01	0.00
efuel	0.00	0.00	0.00	0.00	0.00	
esting	0.04	0.05	0.05	0.05	0.06	0.21

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IURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	
aily Veh Mi	31.10	26.30	33.70	36.70	8.30
:Diurn,g/mi	0.01	0.02	0.01	0.21	0.22
:,NoDiurnal	0.35	0.46	0.52	1.14	5.20
ailyDiurnal	0.02	0.03	0.03	0.33	1.53
emperature Rise Share =	24.31%				
iurnalShare	0.00	0.01	0.01	0.08	0.37

ljusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
)C HC:	0.35	0.47	0.52		1.22	0.23	0.33	0.95	5.57
'aporat HC:	0.05	0.05	0.05		0.61				3.21
.Diurnal	0.15	0.19	0.25		2.94				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F12T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.6	63.6	63.6		63.6	63.6	63.6	63.6	63.6	
VMT Mix:	0.837	0.053	0.037		0.007	0.036	0.005	0.013	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.51	0.57	0.54	1.13	0.23	0.32	0.94	5.16	0.469
Exhaust HC:	0.31	0.41	0.48	0.44	0.47	0.23	0.32	0.94	2.27	0.348
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.010
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
Exhaust CO:	4.24	5.68	6.70	6.10	14.43	0.83	0.94	6.56	26.19	4.636
Exhaust NOX:	1.31	1.68	2.01	1.82	5.49	1.81	2.04	12.77	1.70	1.560

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54		
HC,NoDiurnal	0.38	0.49	0.56	0.89				4.62		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.39	0.50	0.57		1.01	0.23	0.32	0.94	5.19	
Evaporat HC:	0.05	0.05	0.05		0.45				2.39	
WtDiurnal	0.23	0.30	0.38		4.54				4.76	

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ission factors are as of July 1st of the indicated calendar year.

er supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

153F14T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
h. Speeds:	25.9	25.9	25.9		25.9	25.9	25.9	25.9	25.9	
VMT Mix:	0.887	0.029	0.020		0.004	0.038	0.003	0.007	0.012	
nposite Emission Factors (Gm/Mile)										
: HC:	0.60	0.73	0.81	0.77	2.30	0.41	0.58	1.70	7.28	0.699
haust HC:	0.41	0.53	0.61	0.56	1.12	0.41	0.58	1.70	2.07	0.449
aporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.129
fuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ning L HC:	0.09	0.08	0.08	0.08	0.31					0.082
ting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
haust CO:	5.41	6.67	7.48	7.00	14.69	1.06	1.20	8.39	18.74	5.528
haust NOX:	0.87	1.06	1.26	1.14	4.21	1.01	1.14	7.11	0.86	0.944

aporative Emissions by Component Weathered RVP: 7.1
ot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
: Soak	0.33	0.38	0.39	0.39	3.12				13.73	
Diurnal	0.66	0.85	0.89	0.86	12.06				12.66	
ltiple	3.56	4.52	4.47	4.51	21.15					
ankcase	0.00	0.00	0.00	0.00	0.01				0.00	
fuel	0.00	0.00	0.00	0.00	0.00					
sting	0.04	0.05	0.04	0.04	0.06				0.19	

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:S 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
ly Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
ly Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
ly Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F14T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.3	26.3	26.3		26.3	26.3	26.3	26.3	26.3	
VMT Mix:	0.883	0.031	0.022		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.55	0.67	0.74	0.70	1.92	0.40	0.57	1.68	4.97	0.616
Exhaust HC:	0.40	0.52	0.60	0.56	1.09	0.40	0.57	1.68	2.05	0.443
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.06	0.05	0.19					0.058
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	5.31	6.56	7.35	6.89	14.18	1.05	1.18	8.26	17.10	5.415
Exhaust NOX:	0.87	1.06	1.26	1.14	4.20	1.00	1.13	7.08	0.89	0.943

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19	
HC,NoDiurnal	0.54	0.65	0.73	1.71				4.78	
DailyDiurnal	0.02	0.03	0.03	0.33				1.53	
Temperature Rise Share =	31.25%								
DiurnalShare	0.01	0.01	0.01	0.10				0.48	
Adjusted HC Emission Factors:									
VOC HC:	0.55	0.66	0.74		1.81	0.40	0.57	1.68	5.26
Evaporat HC:	0.05	0.05	0.05		0.50				2.60
WtDiurnal	0.19	0.25	0.32		3.78				3.97

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ıission factors are as of July 1st of the indicated calendar year.

ıer supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

. 153F14T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
h. Speeds:	23.1	23.1	23.1		23.1	23.1	23.1	23.1	23.1	
VMT Mix:	0.909	0.018	0.013		0.002	0.039	0.002	0.004	0.013	
mposite Emission Factors (Gm/Mile)										
C HC:	0.66	0.80	0.88	0.83	2.59	0.45	0.64	1.86	6.43	0.740
haust HC:	0.46	0.58	0.67	0.62	1.34	0.45	0.64	1.86	2.24	0.491
aporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.102
fuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ning L HC:	0.11	0.10	0.11	0.11	0.39					0.101
ting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.047
haust CO:	6.22	7.58	8.47	7.95	17.31	1.20	1.35	9.48	23.11	6.326
haust NOX:	0.86	1.06	1.27	1.15	4.12	1.04	1.18	7.38	0.78	0.911

aporative Emissions by Component Weathered RVP: 6.9
ot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
: Soak	0.37	0.43	0.44	0.43	3.64	16.13
Diurnal	0.32	0.44	0.46	0.45	7.70	1.52
ltiple	1.84	2.08	2.07	2.08	11.68	
ankcase	0.00	0.00	0.00	0.00	0.01	0.00
fuel	0.00	0.00	0.00	0.00	0.00	
sting	0.05	0.05	0.05	0.05	0.07	0.23

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JRNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

ily Veh Mi	31.10	26.30	33.70	36.70	8.30
Diurn,g/mi	0.01	0.02	0.01	0.21	0.18
NoDiurnal	0.65	0.78	0.87	2.38	6.25
.lyDiurnal	0.02	0.03	0.03	0.33	1.53
ıperature Rise Share = 6.94%					
ırnalShare	0.00	0.00	0.00	0.02	0.11

ıusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
: HC:	0.65	0.79	0.87	2.40	0.45	0.64	1.86	6.35
ıporat HC:	0.05	0.06	0.05	0.62				3.32
Diurnal	0.04	0.05	0.07	0.84				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F14T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.8	25.8	25.8		25.8	25.8	25.8	25.8	25.8	
VMT Mix:	0.877	0.034	0.023		0.005	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.59	0.71	0.79	0.75	2.21	0.41	0.58	1.70	5.86	0.671
Exhaust HC:	0.41	0.53	0.61	0.56	1.13	0.41	0.58	1.70	2.07	0.454
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.094
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.08	0.08	0.30					0.082
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
Exhaust CO:	5.44	6.70	7.51	7.03	14.88	1.07	1.20	8.43	19.43	5.587
Exhaust NOX:	0.87	1.06	1.27	1.15	4.21	1.01	1.14	7.12	0.84	0.958

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.40	0.40	3.22				14.19	
WtDiurnal	0.33	0.44	0.47	0.45	7.82				1.83	
Multiple	1.86	2.07	2.05	2.07	11.93					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.58	0.69	0.78	2.00				5.64		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.58	0.70	0.78		2.08	0.41	0.58	1.70	6.01	
Evaporat HC:	0.05	0.05	0.05		0.61				3.21	
WtDiurnal	0.15	0.19	0.25		2.94				3.09	

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ission factors are as of July 1st of the indicated calendar year.

er supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

153F14T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

'eh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
ı. Speeds:	29.6	29.6	29.6		29.6	29.6	29.6	29.6	29.6	
VMT Mix:	0.887	0.028	0.020		0.004	0.038	0.003	0.007	0.013	
iposite Emission Factors (Gm/Mile)										
: HC:	0.49	0.60	0.67	0.63	1.68	0.36	0.52	1.52	4.78	0.558
aust HC:	0.36	0.47	0.55	0.51	0.91	0.36	0.52	1.52	1.89	0.399
porat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.080
'uel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
ing L HC:	0.05	0.04	0.05	0.04	0.15					0.048
ing L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
aust CO:	4.57	5.74	6.45	6.04	12.37	0.92	1.04	7.31	14.11	4.667
aust NOX:	0.87	1.05	1.26	1.14	4.30	0.97	1.10	6.89	0.97	0.946

porative Emissions by Component Weathered RVP: 7.3
t Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Soak	0.27	0.29	0.29	0.29	2.14	8.64
iurnal	0.35	0.47	0.50	0.48	8.86	4.50
tiple	1.89	2.05	2.03	2.04	14.17	
nkcase	0.00	0.00	0.00	0.00	0.01	0.00
uel	0.00	0.00	0.00	0.00	0.00	
ting	0.03	0.04	0.04	0.04	0.05	0.15

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RNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

ly Veh Mi	31.10	26.30	33.70	36.70	8.30
iurn,g/mi	0.01	0.02	0.01	0.24	0.54
NoDiurnal	0.48	0.58	0.66	1.44	4.24
lyDiurnal	0.02	0.03	0.03	0.33	1.53 ,
perature Rise Share = 37.50%					
nalShare	0.01	0.01	0.01	0.12	0.57

isted HC Emission Factors:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
HC:	0.49	0.59	0.67		1.56	0.36	0.52	1.52	4.81
porat HC:	0.05	0.05	0.05		0.45				2.39
urnal	0.23	0.30	0.38		4.54				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 153F16T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.0	19.0	19.0		19.0	19.0	19.0	19.0	19.0	
VMT Mix:	0.900	0.022	0.016		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.77	0.92	1.02	0.96	2.98	0.52	0.74	2.17	7.78	0.868
Exhaust HC:	0.54	0.68	0.79	0.73	1.69	0.52	0.74	2.17	2.56	0.588
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.12	0.11	0.11	0.11	0.42					0.114
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	7.71	9.22	10.27	9.66	20.55	1.47	1.66	11.62	25.67	7.807
Exhaust NOX:	0.84	1.06	1.26	1.14	3.96	1.12	1.27	7.95	0.75	0.915

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F16T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.6	19.6	19.6		19.6	19.6	19.6	19.6	19.6	
VMT Mix:	0.895	0.026	0.018		0.003	0.038	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.70	0.83	0.93	0.87	2.51	0.51	0.72	2.12	5.43	0.768
Exhaust HC:	0.54	0.67	0.78	0.71	1.61	0.51	0.72	2.12	2.52	0.579
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.07	0.07	0.25					0.075
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	7.59	9.09	10.12	9.51	19.49	1.42	1.61	11.26	23.10	7.674
Exhaust NOX:	0.83	1.05	1.25	1.13	3.96	1.11	1.25	7.85	0.78	0.910

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59
Multiple	1.86	2.02	2.00	2.01	11.72				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.04	0.04	0.04	0.05				0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19	
HC,NoDiurnal	0.69	0.81	0.92	2.30				5.24	
DailyDiurnal	0.02	0.03	0.03	0.33				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.70	0.82	0.93		2.40	0.51	0.72	2.12	5.72
Evaporat HC:	0.05	0.05	0.05		0.50				2.60
WtDiurnal	0.19	0.25	0.32		3.78				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F16T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	16.6	16.6	16.6		16.6	16.6	16.6	16.6	16.6	
VMT Mix:	0.915	0.015	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.86	1.01	1.13	1.06	3.46	0.57	0.82	2.38	7.01	0.941
Exhaust HC:	0.58	0.74	0.85	0.79	2.03	0.57	0.82	2.38	2.82	0.629
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.17	0.16	0.17	0.16	0.57					0.164
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.047
Exhaust CO:	8.27	9.85	10.99	10.33	24.64	1.68	1.90	13.28	32.08	8.424
Exhaust NOX:	0.85	1.08	1.28	1.16	3.89	1.19	1.34	8.39	0.69	0.910

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18	
HC,NoDiurnal	0.85	0.99	1.12	3.25				6.83	
DailyDiurnal	0.02	0.03	0.03	0.33				1.53	
Temperature Rise Share =		6.94%							
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.85	1.00	1.12		3.27	0.57	0.82	2.38	6.93
Evaporat HC:	0.05	0.06	0.05		0.62				3.32
WtDiurnal	0.04	0.05	0.07		0.84				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F16T 3]
Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.2	19.2	19.2		19.2	19.2	19.2	19.2	19.2	
VMT Mix:	0.890	0.027	0.019		0.004	0.038	0.003	0.007	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.75	0.89	0.99	0.93	2.86	0.52	0.74	2.15	6.33	0.833
Exhaust HC:	0.54	0.68	0.79	0.72	1.67	0.52	0.74	2.15	2.54	0.589
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.12	0.10	0.11	0.11	0.40					0.109
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
Exhaust CO:	7.67	9.18	10.22	9.61	20.49	1.46	1.64	11.50	26.24	7.806
Exhaust NOX:	0.84	1.06	1.26	1.15	3.97	1.12	1.26	7.91	0.74	0.928

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.34	0.39	0.40	0.40	3.22				14.19
WtDiurnal	0.33	0.44	0.47	0.45	7.82				1.83
Multiple	1.86	2.07	2.05	2.07	11.93				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.05	0.05	0.05	0.06				0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22
HC,NoDiurnal	0.74	0.87	0.98	2.65				6.11
DailyDiurnal	0.02	0.03	0.03	0.33				1.53
Temperature Rise Share =	24.31%							
DiurnalShare	0.00	0.01	0.01	0.08				0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.74	0.88	0.98		2.73	0.52	0.74	2.15	6.48
Evaporat HC:	0.05	0.05	0.05		0.61				3.21
WtDiurnal	0.15	0.19	0.25		2.94				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F16T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	21.3	21.3	21.3		21.3	21.3	21.3	21.3	21.3	
VMT Mix:	0.908	0.018	0.013		0.003	0.039	0.002	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.64	0.77	0.86	0.81	2.26	0.48	0.68	1.99	5.28	0.708
Exhaust HC:	0.49	0.62	0.72	0.66	1.44	0.48	0.68	1.99	2.38	0.530
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.06	0.06	0.21					0.066
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
Exhaust CO:	6.86	8.29	9.25	8.69	17.53	1.31	1.47	10.33	20.06	6.905
Exhaust NOX:	0.84	1.05	1.25	1.13	4.01	1.07	1.21	7.60	0.83	0.897

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54		
HC,NoDiurnal	0.63	0.75	0.85	2.02				4.74		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.64	0.76	0.86		2.14	0.48	0.68	1.99	5.31	
Evaporat HC:	0.05	0.05	0.05		0.45				2.39	
WtDiurnal	0.23	0.30	0.38		4.54				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F17T 24HR]
Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	12.7	12.7	12.7		12.7	12.7	12.7	12.7	12.7	
VMT Mix:	0.898	0.024	0.016		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.02	1.20	1.33	1.25	4.17	0.68	0.96	2.80	8.70	1.127
Exhaust HC:	0.68	0.87	1.01	0.93	2.63	0.68	0.96	2.80	3.48	0.746
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.23	0.19	0.21	0.20	0.67					0.214
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	9.63	11.36	12.73	11.91	30.58	2.14	2.41	16.87	38.59	9.869
Exhaust NOX:	0.87	1.10	1.31	1.18	3.74	1.32	1.49	9.33	0.68	0.960

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F17T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	13.8	13.8	13.8		13.8	13.8	13.8	13.8	13.8	
VMT Mix:	0.889	0.028	0.019		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.87	1.06	1.19	1.11	3.44	0.64	0.92	2.67	6.18	0.962
Exhaust HC:	0.65	0.83	0.96	0.88	2.41	0.64	0.92	2.67	3.26	0.714
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.14	0.14	0.15	0.15	0.38					0.134
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	9.17	10.85	12.14	11.37	27.80	1.99	2.25	15.72	32.83	9.383
Exhaust NOX:	0.86	1.08	1.29	1.17	3.76	1.28	1.44	9.04	0.71	0.960

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.32	0.33	0.33	2.49				10.56	
WtDiurnal	0.33	0.45	0.47	0.45	7.73				1.59	
Multiple	1.86	2.02	2.00	2.01	11.72					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.19		
HC,NoDiurnal	0.86	1.04	1.18	3.23				5.99		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.87	1.05	1.19		3.33	0.64	0.92	2.67	6.47	
Evaporat HC:	0.05	0.05	0.05		0.50				2.60	
WtDiurnal	0.19	0.25	0.32		3.78				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F17T 2]

Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.1	10.1	10.1		10.1	10.1	10.1	10.1	10.1	
VMT Mix:	0.914	0.016	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.19	1.40	1.57	1.47	5.11	0.76	1.08	3.15	8.43	1.293
Exhaust HC:	0.79	1.02	1.18	1.09	3.30	0.76	1.08	3.15	4.24	0.860
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.30	0.27	0.28	0.27	0.95					0.285
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.047
Exhaust CO:	11.12	13.02	14.64	13.68	38.49	2.54	2.87	20.09	54.09	11.499
Exhaust NOX:	0.90	1.14	1.35	1.23	3.67	1.43	1.62	10.13	0.66	0.972

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18		
HC,NoDiurnal	1.18	1.38	1.56	4.90				8.25		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

VOC HC:	1.18	1.39	1.56	4.92	0.76	1.08	3.15	8.35	
Evaporat HC:	0.05	0.06	0.05	0.62				3.32	
WtDiurnal	0.04	0.05	0.07	0.84				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F17T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	13.0	13.0	13.0		13.0	13.0	13.0	13.0	13.0	
VMT Mix:	0.887	0.029	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.98	1.15	1.29	1.21	4.01	0.67	0.95	2.77	7.20	1.081
Exhaust HC:	0.67	0.86	1.00	0.92	2.58	0.67	0.95	2.77	3.41	0.742
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.22	0.19	0.20	0.19	0.64					0.204
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
Exhaust CO:	9.50	11.21	12.56	11.76	30.21	2.09	2.36	16.55	38.89	9.790
Exhaust NOX:	0.87	1.10	1.31	1.19	3.76	1.31	1.48	9.25	0.68	0.974

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.34	0.39	0.40	0.40	3.22				14.19
WtDiurnal	0.33	0.44	0.47	0.45	7.82				1.83
Multiple	1.86	2.07	2.05	2.07	11.93				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.05	0.05	0.05	0.06				0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22	
HC,NoDiurnal	0.97	1.13	1.28	3.80				6.98	
DailyDiurnal	0.02	0.03	0.03	0.33				1.53	
Temperature Rise Share = 24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.97	1.14	1.28		3.88	0.67	0.95	2.77	7.35
Evaporat HC:	0.05	0.05	0.05		0.61				3.21
WtDiurnal	0.15	0.19	0.25		2.94				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F17T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	15.5	15.5	15.5		15.5	15.5	15.5	15.5	15.5	
VMT Mix:	0.906	0.019	0.013		0.003	0.039	0.002	0.005	0.013	

Composite Emission Factors (Gm/Mile)

VOC HC:	0.80	0.97	1.09	1.02	3.03	0.60	0.85	2.49	5.88	0.879
Exhaust HC:	0.61	0.77	0.89	0.82	2.12	0.60	0.85	2.49	2.99	0.660
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.11	0.11	0.12	0.12	0.31					0.108
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
Exhaust CO:	8.58	10.20	11.39	10.68	24.48	1.79	2.02	14.17	27.47	8.695
Exhaust NOX:	0.85	1.07	1.27	1.15	3.81	1.22	1.38	8.63	0.75	0.919

Evaporative Emissions by Component
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Weathered RVP: 7.3
Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.24				0.54		
HC,NoDiurnal	0.79	0.95	1.08	2.79				5.34		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =	37.50%									
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

VOC HC:	0.80	0.96	1.09		2.91	0.60	0.85	2.49	5.91	
Evaporat HC:	0.05	0.05	0.05		0.45				2.39	
WtDiurnal	0.23	0.30	0.38		4.54				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F19T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	8.3	8.3	8.3		8.3	8.3	8.3	8.3	8.3	
VMT Mix:	0.894	0.026	0.018		0.004	0.038	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.34	1.58	1.78	1.66	5.61	0.83	1.17	3.43	10.29	1.470
Exhaust HC:	0.91	1.18	1.37	1.26	3.74	0.83	1.17	3.43	5.08	0.998
Evaporat HC:	0.08	0.09	0.08	0.09	0.83				4.55	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.32	0.28	0.30	0.28	1.00					0.304
Rsting L HC:	0.03	0.04	0.03	0.04	0.05				0.67	0.038
Exhaust CO:	12.70	14.78	16.66	15.55	42.52	2.89	3.26	22.84	61.38	13.199
Exhaust NOX:	0.92	1.16	1.39	1.25	3.59	1.53	1.72	10.79	0.70	1.029

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.38	0.39	0.39	3.12				13.73	
WtDiurnal	0.66	0.85	0.89	0.86	12.06				12.66	
Multiple	3.56	4.52	4.47	4.51	21.15					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.85	0.89		12.06				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.33				1.53	1.934

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F19T 1]

Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	9.4	9.4	9.4		9.4	9.4	9.4	9.4	9.4	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.11	1.38	1.55	1.45	4.59	0.78	1.12	3.26	7.47	1.221
Exhaust HC:	0.83	1.08	1.25	1.15	3.39	0.78	1.12	3.26	4.55	0.920
Evaporat HC:	0.05	0.06	0.05	0.06	0.61				2.31	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.20	0.21	0.22	0.21	0.55					0.187
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.61	0.035
Exhaust CO:	11.66	13.63	15.33	14.33	38.25	2.67	3.01	21.11	49.67	12.061
Exhaust NOX:	0.90	1.14	1.35	1.23	3.61	1.47	1.66	10.38	0.71	1.017

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.29	0.32	0.33	0.33	2.49	10.56
WtDiurnal	0.33	0.45	0.47	0.45	7.73	1.59
Multiple	1.86	2.02	2.00	2.01	11.72	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.04	0.04	0.04	0.05	0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.19
HC,NoDiurnal	1.10	1.36	1.54	4.38	7.28
DailyDiurnal	0.02	0.03	0.03	0.33	1.53
Temperature Rise Share = 31.25%					
DiurnalShare	0.01	0.01	0.01	0.10	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.11	1.37	1.55		4.48	0.78	1.12	3.26	7.76
Evaporat HC:	0.05	0.05	0.05		0.50				2.60
WtDiurnal	0.19	0.25	0.32		3.78				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F19T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	5.9	5.9	5.9		5.9	5.9	5.9	5.9	5.9	
VMT Mix:	0.913	0.017	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.77	2.10	2.37	2.21	7.40	0.93	1.32	3.86	11.08	1.888
Exhaust HC:	1.17	1.54	1.78	1.63	4.68	0.93	1.32	3.86	6.88	1.268
Evaporat HC:	0.06	0.07	0.06	0.07	0.81				3.40	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.50	0.45	0.49	0.47	1.85					0.471
Rsting L HC:	0.04	0.04	0.04	0.04	0.06				0.80	0.047
Exhaust CO:	16.31	18.80	21.28	19.77	53.95	3.46	3.91	27.35	96.63	17.056
Exhaust NOX:	0.99	1.25	1.48	1.34	3.52	1.67	1.89	11.82	0.71	1.071

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

Hot Soak	0.37	0.43	0.44	0.43	3.64				16.13	
WtDiurnal	0.32	0.44	0.46	0.45	7.70				1.52	
Multiple	1.84	2.08	2.07	2.08	11.68					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.18		
HC,NoDiurnal	1.76	2.08	2.36	7.19				10.90		
DailyDiurnal	0.02	0.03	0.03	0.33				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	1.76	2.09	2.36		7.21	0.93	1.32	3.86	11.00	
Evaporat HC:	0.05	0.06	0.05		0.62				3.32	
WtDiurnal	0.04	0.05	0.07		0.84				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 153F19T 3]

Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	8.7	8.7	8.7		8.7	8.7	8.7	8.7	8.7	
VMT Mix:	0.882	0.031	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.27	1.51	1.70	1.59	5.35	0.81	1.15	3.37	8.65	1.395
Exhaust HC:	0.88	1.14	1.32	1.21	3.63	0.81	1.15	3.37	4.86	0.974
Evaporat HC:	0.06	0.06	0.06	0.06	0.74				3.06	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runinq L HC:	0.30	0.26	0.28	0.27	0.94					0.286
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.73	0.042
Exhaust CO:	12.29	14.33	16.14	15.08	41.55	2.81	3.17	22.19	60.19	12.824
Exhaust NOX:	0.92	1.16	1.38	1.25	3.60	1.50	1.70	10.64	0.68	1.047

Evaporative Emissions by Component   Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.34	0.39	0.40	0.40	3.22	14.19
WtDiurnal	0.33	0.44	0.47	0.45	7.82	1.83
Multiple	1.86	2.07	2.05	2.07	11.93	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.22
HC,NoDiurnal	1.26	1.49	1.69	5.14	8.43
DailyDiurnal	0.02	0.03	0.03	0.33	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.26	1.50	1.69		5.22	0.81	1.15	3.37	8.80
Evaporat HC:	0.05	0.05	0.05		0.61				3.21
WtDiurnal	0.15	0.19	0.25		2.94				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 153F19T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	11.0	11.0	11.0		11.0	11.0	11.0	11.0	11.0	
VMT Mix:	0.902	0.021	0.015		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.99	1.23	1.38	1.29	4.01	0.73	1.04	3.03	6.86	1.085
Exhaust HC:	0.75	0.96	1.11	1.03	2.97	0.73	1.04	3.03	3.96	0.819
Evaporat HC:	0.05	0.06	0.05	0.05	0.57				2.36	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.16	0.18	0.19	0.18	0.43					0.155
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.54	0.031
Exhaust CO:	10.53	12.36	13.88	12.99	33.36	2.39	2.70	18.89	39.39	10.767
Exhaust NOX:	0.88	1.11	1.32	1.20	3.65	1.39	1.57	9.84	0.72	0.963

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.14				8.64	
WtDiurnal	0.35	0.47	0.50	0.48	8.86				4.50	
Multiple	1.89	2.05	2.03	2.04	14.17					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.24	0.54
HC,NoDiurnal	0.98	1.21	1.37	3.77	6.32
DailyDiurnal	0.02	0.03	0.03	0.33	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.12	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.99	1.22	1.38		3.89	0.73	1.04	3.03	6.89
Evaporat HC:	0.05	0.05	0.05		0.45				2.39
WtDiurnal	0.23	0.30	0.38		4.54				4.76

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Delaware County MOBILE Output Files
2005 Control Strategy Scenario

MOBILE5 Processing Report

MOB5a_H I/M Program Options (Nov-95)

M 49 Warning: 0.999 MYR sum not = 1. (will normalize)
M 49 Warning: 1.00 MYR sum not = 1. (will normalize)
M 49 Warning: 0.997 MYR sum not = 1. (will normalize)
M 49 Warning: 0.999 MYR sum not = 1. (will normalize)
M 49 Warning: 1.00 MYR sum not = 1. (will normalize)
M 49 Warning: 1.00 MYR sum not = 1. (will normalize)
M114 Warning: Purge Check emission benefits assume the use of a dynomometer and the IM240 transient test procedure driving cycle.

I/M program #1 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1975
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #1 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Idle
Cutpoints, HC: 220.000
Cutpoints, CO: 1.200
Cutpoints, NOx: 999.000

I/M program #2 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1981
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #2 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Loaded / Idle
Cutpoints, HC: 50.000
Cutpoints, CO: 15.000
Cutpoints, NOx: 1.000

Functional Check Program Description:

Check	Start (Jan1)	Model Yrs Covered	Vehicle Classes Covered LDGV	LDGT1	LDGT2	HDGV	Inspection Type	Freq	Comp Rate
Press	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
Purge	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
ATP	1998	1975-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%

Air pump system disablements:	Yes	Catalyst removals:	Yes
Fuel inlet restrictor disablements:	Yes	Tailpipe lead deposit test:	No
EGR disablement:	Yes	Evaporative system disablements:	Yes
PCV system disablements:	Yes	Missing gas caps:	Yes

VOC HC emission factors include all evaporative HC emission factors, except for refueling emissions.

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 2T 24HR] Period 1 RVP: 8.7 Minimum Temp: 71. (F) Period 2 RVP: 8.7 Maximum Temp: 96. (F) Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	54.4	54.4	54.4		54.4	54.4	54.4	54.4	54.4	
VMT Mix:	0.849	0.047	0.033		0.006	0.037	0.004	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.48	0.50	0.49	1.43	0.23	0.33	0.97	6.47	0.457
Exhaust HC:	0.23	0.33	0.36	0.34	0.46	0.23	0.33	0.97	1.37	0.267
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.131
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.020
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.039
Exhaust CO:	2.31	3.23	3.55	3.36	10.88	0.69	0.78	5.49	9.68	2.504
Exhaust NOX:	1.08	1.33	1.53	1.42	5.20	1.28	1.46	9.19	1.28	1.242

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 2T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	54.1	54.1	54.1		54.1	54.1	54.1	54.1	54.1	
VMT Mix:	0.847	0.048	0.033		0.007	0.037	0.004	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.33	0.44	0.46	0.45	1.17	0.23	0.33	0.97	4.23	0.399
Exhaust HC:	0.23	0.33	0.36	0.34	0.46	0.23	0.33	0.97	1.37	0.267
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.07					0.015
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	2.31	3.23	3.55	3.36	10.62	0.68	0.78	5.47	8.99	2.503
Exhaust NOX:	1.07	1.31	1.51	1.40	5.16	1.27	1.45	9.11	1.31	1.233

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59
Multiple	1.93	2.05	1.97	2.02	11.45				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.04	0.04	0.04	0.05				0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.19	
HC,NoDiurnal	0.32	0.42	0.45	0.97				4.04	
DailyDiurnal	0.02	0.03	0.03	0.32				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.33	0.43	0.46		1.07	0.23	0.33	0.97	4.52
Evaporat HC:	0.05	0.05	0.05		0.49				2.55
WtDiurnal	0.19	0.25	0.32		3.67				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 2T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	51.6	51.6	51.6		51.6	51.6	51.6	51.6	51.6	
VMT Mix:	0.883	0.031	0.022		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.47	0.49	0.48	1.47	0.23	0.34	0.99	5.47	0.432
Exhaust HC:	0.23	0.33	0.36	0.34	0.49	0.23	0.34	0.99	1.37	0.260
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.100
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.14					0.024
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.047
Exhaust CO:	2.31	3.23	3.55	3.36	10.73	0.67	0.76	5.36	10.59	2.452
Exhaust NOX:	1.01	1.23	1.41	1.30	5.12	1.18	1.35	8.52	1.14	1.107

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.43	0.43	3.54				16.13	
WtDiurnal	0.33	0.44	0.45	0.44	7.43				1.52	
Multiple	1.91	2.11	2.03	2.09	11.41					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.18	
HC,NoDiurnal	0.35	0.45	0.48	1.27				5.29	
DailyDiurnal	0.02	0.03	0.03	0.32				1.53	
Temperature Rise Share =		6.94%							
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.35	0.46	0.48		1.29	0.23	0.34	0.99	5.39
Evaporat HC:	0.05	0.06	0.05		0.61				3.24
WtDiurnal	0.04	0.05	0.07		0.82				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes   ASTM Class: C

[A 231F 2T 3]

Minimum Temp: 87. (F)   Maximum Temp: 93. (F)

Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	54.1	54.1	54.1		54.1	54.1	54.1	54.1	54.1	
VMT Mix:	0.832	0.055	0.039		0.007	0.036	0.005	0.014	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.46	0.48	0.47	1.34	0.23	0.33	0.97	5.07	0.428
Exhaust HC:	0.23	0.33	0.36	0.34	0.47	0.23	0.33	0.97	1.37	0.270
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.020
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.043
Exhaust CO:	2.31	3.23	3.55	3.36	10.89	0.68	0.78	5.47	10.00	2.538
Exhaust NOX:	1.08	1.32	1.52	1.41	5.19	1.27	1.45	9.11	1.25	1.260

Evaporative Emissions by Component   Weathered RVP: 7.0

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.34	0.40	0.39	0.39	3.14	14.19
WtDiurnal	0.33	0.44	0.45	0.45	7.55	1.83
Multiple	1.93	2.10	2.02	2.08	11.67	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.22
HC,NoDiurnal	0.34	0.44	0.47	1.13	4.85
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.34	0.45	0.47		1.21	0.23	0.33	0.97	5.22
Evaporat HC:	0.05	0.06	0.05		0.59				3.14
WtDiurnal	0.15	0.19	0.25		2.85				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 2T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	58.4	58.4	58.4		58.4	58.4	58.4	58.4	58.4	
VMT Mix:	0.852	0.046	0.032		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.46	0.49	0.47	1.11	0.22	0.32	0.95	4.54	0.421
Exhaust HC:	0.26	0.36	0.40	0.38	0.45	0.22	0.32	0.95	1.71	0.297
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.012
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	3.06	4.20	4.66	4.39	11.70	0.73	0.83	5.82	15.40	3.295
Exhaust NOX:	1.18	1.48	1.70	1.57	5.29	1.45	1.66	10.45	1.51	1.351

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.09				8.64
WtDiurnal	0.35	0.47	0.48	0.48	8.59				4.50
Multiple	1.95	2.08	2.00	2.05	13.91				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.03	0.04	0.04	0.04	0.05				0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.23				0.54	
HC,NoDiurnal	0.35	0.44	0.48	0.88				4.00	
DailyDiurnal	0.02	0.03	0.03	0.32				1.53	
Temperature Rise Share = 37.50%									
DiurnalShare	0.01	0.01	0.01	0.12				0.57	
Adjusted HC Emission Factors:									
VOC HC:	0.36	0.45	0.49		1.00	0.22	0.32	0.95	4.57
Evaporat HC:	0.05	0.05	0.05		0.45				2.33
WtDiurnal	0.23	0.30	0.38		4.40				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 6T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	43.9	43.9	43.9		43.9	43.9	43.9	43.9	43.9	
VMT Mix:	0.926	0.010	0.007		0.001	0.040	0.001	0.002	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.52	0.54	0.53	1.57	0.26	0.37	1.10	6.51	0.479
Exhaust HC:	0.25	0.35	0.39	0.37	0.55	0.26	0.37	1.10	1.41	0.273
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.04	0.04	0.04	0.16					0.034
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.040
Exhaust CO:	2.65	3.61	3.95	3.75	9.78	0.68	0.77	5.40	10.36	2.696
Exhaust NOX:	0.91	1.07	1.23	1.14	4.83	1.02	1.16	7.31	1.03	0.935

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 231F 6T 1]   Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	44.4	44.4	44.4		44.4	44.4	44.4	44.4	44.4	
VMT Mix:	0.924	0.011	0.007		0.001	0.040	0.001	0.003	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.47	0.49	0.48	1.27	0.26	0.37	1.09	4.26	0.412
Exhaust HC:	0.25	0.35	0.39	0.36	0.54	0.26	0.37	1.09	1.41	0.271
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.02	0.03	0.03	0.10					0.024
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	2.60	3.56	3.89	3.69	9.61	0.67	0.77	5.38	9.53	2.647
Exhaust NOX:	0.90	1.07	1.23	1.13	4.82	1.02	1.17	7.37	1.07	0.939

Evaporative Emissions by Component   Weathered RVP: 7.2   Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.19		
HC,NoDiurnal	0.35	0.45	0.48	1.07				4.07		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.36	0.46	0.49		1.17	0.26	0.37	1.09	4.55	
Evaporat HC:	0.05	0.05	0.05		0.49				2.55	
WtDiurnal	0.19	0.25	0.32		3.67				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 6T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	40.8	40.8	40.8		40.8	40.8	40.8	40.8	40.8	
VMT Mix:	0.931	0.007	0.005		0.001	0.040	0.001	0.002	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.42	0.53	0.56	0.55	1.65	0.27	0.39	1.16	5.56	0.486
Exhaust HC:	0.27	0.37	0.41	0.39	0.61	0.27	0.39	1.16	1.46	0.290
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.21					0.047
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.048
Exhaust CO:	2.95	3.95	4.30	4.09	10.32	0.70	0.80	5.59	12.12	3.000
Exhaust NOX:	0.91	1.08	1.24	1.15	4.74	0.98	1.12	7.04	0.98	0.932

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.43	0.43	3.54				16.13	
WtDiurnal	0.33	0.44	0.45	0.44	7.43				1.52	
Multiple	1.91	2.11	2.03	2.09	11.41					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.18
HC,NoDiurnal	0.41	0.51	0.55	1.45	5.38
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.41	0.52	0.55		1.47	0.27	0.39	1.16	5.48	
Evaporat HC:	0.05	0.06	0.05		0.61				3.24	
WtDiurnal	0.04	0.05	0.07		0.82				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 6T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	43.6	43.6	43.6		43.6	43.6	43.6	43.6	43.6	
VMT Mix:	0.920	0.012	0.009		0.002	0.040	0.001	0.003	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.50	0.52	0.51	1.48	0.26	0.37	1.10	5.11	0.450
Exhaust HC:	0.26	0.35	0.39	0.37	0.55	0.26	0.37	1.10	1.41	0.276
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.04	0.04	0.04	0.16					0.035
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.044
Exhaust CO:	2.67	3.64	3.98	3.79	9.86	0.68	0.77	5.42	10.76	2.742
Exhaust NOX:	0.91	1.08	1.24	1.15	4.82	1.01	1.16	7.28	1.02	0.947

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

Hot Soak	0.34	0.40	0.39	0.39	3.14				14.19	
WtDiurnal	0.33	0.44	0.45	0.45	7.55				1.83	
Multiple	1.93	2.10	2.02	2.08	11.67					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.38	0.48	0.51	1.27				4.89		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =		24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

VOC HC:	0.38	0.49	0.51	1.35	0.26	0.37	1.10	5.26	
Evaporat HC:	0.05	0.06	0.05	0.59				3.14	
WtDiurnal	0.15	0.19	0.25	2.85				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 231F 6T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	48.1	48.1	48.1		48.1	48.1	48.1	48.1	48.1	
VMT Mix:	0.929	0.008	0.006		0.001	0.040	0.001	0.002	0.013	

Composite Emission Factors (Gm/Mile)

VOC HC:	0.33	0.43	0.46	0.44	1.17	0.24	0.35	1.03	4.21	0.381
Exhaust HC:	0.23	0.33	0.36	0.34	0.50	0.24	0.35	1.03	1.38	0.253
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.08					0.016
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	2.31	3.23	3.55	3.37	9.61	0.66	0.75	5.31	8.47	2.349
Exhaust NOX:	0.91	1.07	1.23	1.14	4.93	1.09	1.25	7.86	1.13	0.938

Evaporative Emissions by Component

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Weathered RVP: 7.3

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

Hot Soak	0.27	0.29	0.29	0.29	2.09				8.64	
WtDiurnal	0.35	0.47	0.48	0.48	8.59				4.50	
Multiple	1.95	2.08	2.00	2.05	13.91					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.23				0.54		
HC,NoDiurnal	0.32	0.41	0.45	0.94				3.67		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =	37.50%									
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

VOC HC:	0.33	0.42	0.46	1.06	0.24	0.35	1.03	4.24	
Evaporat HC:	0.05	0.05	0.05	0.45				2.33	
WtDiurnal	0.23	0.30	0.38	4.40				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 7T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.1	39.1	39.1		39.1	39.1	39.1	39.1	39.1	
VMT Mix:	0.872	0.036	0.025		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.56	0.58	0.57	1.67	0.28	0.41	1.20	6.60	0.531
Exhaust HC:	0.28	0.38	0.42	0.40	0.62	0.28	0.41	1.20	1.50	0.314
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.130
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.047
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.039
Exhaust CO:	3.13	4.15	4.52	4.30	10.10	0.72	0.82	5.74	11.58	3.263
Exhaust NOX:	0.90	1.07	1.23	1.14	4.66	0.96	1.10	6.94	1.00	0.993

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 7T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.2	39.2	39.2		39.2	39.2	39.2	39.2	39.2	
VMT Mix:	0.865	0.040	0.028		0.005	0.037	0.003	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.51	0.54	0.52	1.37	0.28	0.41	1.20	4.36	0.465
Exhaust HC:	0.28	0.38	0.42	0.40	0.62	0.28	0.41	1.20	1.50	0.315
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.03	0.03	0.03	0.12					0.034
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	3.12	4.14	4.51	4.29	9.91	0.72	0.81	5.73	10.72	3.254
Exhaust NOX:	0.90	1.07	1.23	1.13	4.64	0.96	1.10	6.94	1.04	0.998

Evaporative Emissions by Component
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Weathered RVP: 7.2
Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.30	0.33	0.32	0.33	2.43	10.56
WtDiurnal	0.34	0.45	0.46	0.45	7.46	1.59
Multiple	1.93	2.05	1.97	2.02	11.45	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.04	0.04	0.04	0.05	0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.19
HC,NoDiurnal	0.39	0.49	0.53	1.17	4.17
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
DiurnalShare	0.01	0.01	0.01	0.10	0.48

Temperature Rise Share = 31.25%

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.40	0.50	0.54		1.27	0.28	0.41	1.20	4.65
Evaporat HC:	0.05	0.05	0.05		0.49				2.55
WtDiurnal	0.19	0.25	0.32		3.67				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 231F 7T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)

Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	38.6	38.6	38.6		38.6	38.6	38.6	38.6	38.6	
VMT Mix:	0.895	0.025	0.018		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.56	0.58	0.57	1.71	0.28	0.41	1.21	5.61	0.512
Exhaust HC:	0.29	0.39	0.43	0.40	0.65	0.28	0.41	1.21	1.51	0.312
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.099
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.06	0.06	0.22					0.053
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.047
Exhaust CO:	3.19	4.22	4.59	4.37	10.56	0.72	0.82	5.79	12.85	3.292
Exhaust NOX:	0.91	1.08	1.24	1.15	4.66	0.96	1.10	6.91	0.96	0.967

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)

Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.37	0.43	0.43	0.43	3.54				16.13
WtDiurnal	0.33	0.44	0.45	0.44	7.43				1.52
Multiple	1.91	2.11	2.03	2.09	11.41				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.05	0.05	0.05	0.05	0.07				0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.18
HC,NoDiurnal	0.43	0.54	0.57	1.51	5.43
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share = 6.94%					
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.43	0.55	0.57		1.53	0.28	0.41	1.21	5.53
Evaporat HC:	0.05	0.06	0.05		0.61				3.24
WtDiurnal	0.04	0.05	0.07		0.82				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 7T 3]

Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.1	39.1	39.1		39.1	39.1	39.1	39.1	39.1	
VMT Mix:	0.854	0.045	0.031		0.006	0.037	0.004	0.011	0.012	

Composite Emission Factors (Gm/Mile)

VOC HC:	0.43	0.54	0.56	0.55	1.58	0.28	0.41	1.20	5.20	0.502
Exhaust HC:	0.28	0.38	0.42	0.40	0.63	0.28	0.41	1.20	1.50	0.318
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.046
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.043
Exhaust CO:	3.13	4.15	4.52	4.30	10.18	0.72	0.82	5.74	11.96	3.298
Exhaust NOX:	0.90	1.08	1.24	1.14	4.66	0.96	1.10	6.94	0.99	1.015

Evaporative Emissions by Component
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Weathered RVP: 7.0

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

Hot Soak	0.34	0.40	0.39	0.39	3.14				14.19	
WtDiurnal	0.33	0.44	0.45	0.45	7.55				1.83	
Multiple	1.93	2.10	2.02	2.08	11.67					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70						
WtDiurn,g/mi	0.01	0.02	0.01	0.21				8.30		
HC,NoDiurnal	0.42	0.52	0.55	1.37				0.22		
DailyDiurnal	0.02	0.03	0.03	0.32				4.98		
Temperature Rise Share =	24.31%							1.53		
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

VOC HC:	0.42	0.53	0.55	1.45	0.28	0.41	1.20	5.35	
Evaporat HC:	0.05	0.06	0.05	0.59				3.14	
WtDiurnal	0.15	0.19	0.25	2.85				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 7T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.7	39.7	39.7		39.7	39.7	39.7	39.7	39.7	
VMT Mix:	0.890	0.027	0.019		0.004	0.038	0.003	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.49	0.52	0.51	1.31	0.28	0.40	1.18	4.33	0.450
Exhaust HC:	0.28	0.38	0.42	0.39	0.61	0.28	0.40	1.18	1.49	0.306
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.11					0.031
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	3.06	4.08	4.44	4.23	9.72	0.71	0.81	5.68	9.97	3.153
Exhaust NOX:	0.89	1.06	1.22	1.13	4.64	0.97	1.11	6.97	1.07	0.962

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.09				8.64	
WtDiurnal	0.35	0.47	0.48	0.48	8.59				4.50	
Multiple	1.95	2.08	2.00	2.05	13.91					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.23				0.54	
HC,NoDiurnal	0.38	0.47	0.51	1.08				3.79	
DailyDiurnal	0.02	0.03	0.03	0.32				1.53	
Temperature Rise Share = 37.50%									
DiurnalShare	0.01	0.01	0.01	0.12				0.57	
Adjusted HC Emission Factors:									
VOC HC:	0.39	0.48	0.52		1.20	0.28	0.40	1.18	4.36
Evaporat HC:	0.05	0.05	0.05		0.45				2.33
WtDiurnal	0.23	0.30	0.38		4.40				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 8T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.3	39.3	39.3		39.3	39.3	39.3	39.3	39.3	
VMT Mix:	0.838	0.052	0.037		0.007	0.036	0.005	0.013	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.56	0.58	0.57	1.67	0.28	0.41	1.19	6.59	0.538
Exhaust HC:	0.28	0.38	0.42	0.40	0.62	0.28	0.41	1.19	1.49	0.320
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.046
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.039
Exhaust CO:	3.11	4.13	4.49	4.28	10.08	0.72	0.81	5.72	11.52	3.298
Exhaust NOX:	0.90	1.07	1.23	1.14	4.67	0.96	1.10	6.95	1.00	1.032

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 8T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.4	39.4	39.4		39.4	39.4	39.4	39.4	39.4	
VMT Mix:	0.824	0.059	0.041		0.008	0.036	0.005	0.015	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.51	0.53	0.52	1.37	0.28	0.40	1.19	4.35	0.474
Exhaust HC:	0.28	0.38	0.42	0.40	0.62	0.28	0.40	1.19	1.50	0.323
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.03	0.03	0.03	0.12					0.033
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	3.10	4.11	4.48	4.26	9.89	0.71	0.81	5.71	10.66	3.300
Exhaust NOX:	0.90	1.07	1.23	1.13	4.65	0.97	1.10	6.95	1.04	1.047

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.19		
HC,NoDiurnal	0.39	0.49	0.52	1.17				4.16		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.40	0.50	0.53		1.27	0.28	0.40	1.19	4.64	
Evaporat HC:	0.05	0.05	0.05		0.49				2.55	
WtDiurnal	0.19	0.25	0.32		3.67				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 8T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.1	39.1	39.1		39.1	39.1	39.1	39.1	39.1	
VMT Mix:	0.870	0.037	0.026		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.55	0.58	0.56	1.70	0.28	0.41	1.20	5.60	0.514
Exhaust HC:	0.28	0.38	0.42	0.40	0.64	0.28	0.41	1.20	1.50	0.314
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.06	0.05	0.22					0.052
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.047
Exhaust CO:	3.13	4.15	4.52	4.31	10.50	0.72	0.82	5.74	12.67	3.281
Exhaust NOX:	0.91	1.08	1.24	1.15	4.68	0.96	1.10	6.94	0.97	0.999

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.43	0.43	0.43	3.54	16.13
WtDiurnal	0.33	0.44	0.45	0.44	7.43	1.52
Multiple	1.91	2.11	2.03	2.09	11.41	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.18
HC,NoDiurnal	0.43	0.53	0.57	1.50	5.42
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.43	0.54	0.57		1.52	0.28	0.41	1.20	5.52
Evaporat HC:	0.05	0.06	0.05		0.61				3.24
WtDiurnal	0.04	0.05	0.07		0.82				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 8T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.3	39.3	39.3		39.3	39.3	39.3	39.3	39.3	
VMT Mix:	0.811	0.066	0.046		0.009	0.035	0.006	0.016	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.42	0.53	0.56	0.54	1.58	0.28	0.41	1.19	5.19	0.507
Exhaust HC:	0.28	0.38	0.42	0.40	0.62	0.28	0.41	1.19	1.49	0.325
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.094
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.046
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.042
Exhaust CO:	3.11	4.13	4.49	4.28	10.15	0.72	0.81	5.72	11.90	3.343
Exhaust NOX:	0.90	1.08	1.24	1.14	4.67	0.96	1.10	6.95	0.99	1.066

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.39	3.14				14.19	
WtDiurnal	0.33	0.44	0.45	0.45	7.55				1.83	
Multiple	1.93	2.10	2.02	2.08	11.67					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.22
HC,NoDiurnal	0.41	0.51	0.55	1.37	4.97
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.41	0.52	0.55		1.45	0.28	0.41	1.19	5.34
Evaporat HC:	0.05	0.06	0.05		0.59				3.14
WtDiurnal	0.15	0.19	0.25		2.85				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 8T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.6	39.6	39.6		39.6	39.6	39.6	39.6	39.6	
VMT Mix:	0.867	0.039	0.027		0.005	0.037	0.004	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.50	0.52	0.51	1.31	0.28	0.40	1.19	4.33	0.453
Exhaust HC:	0.28	0.38	0.42	0.40	0.61	0.28	0.40	1.19	1.50	0.311
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.11					0.031
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	3.07	4.09	4.45	4.24	9.73	0.71	0.81	5.69	9.99	3.194
Exhaust NOX:	0.89	1.06	1.22	1.13	4.64	0.97	1.11	6.96	1.07	0.988

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.09				8.64
WtDiurnal	0.35	0.47	0.48	0.48	8.59				4.50
Multiple	1.95	2.08	2.00	2.05	13.91				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.03	0.04	0.04	0.04	0.05				0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.23				0.54
HC,NoDiurnal	0.38	0.48	0.51	1.08				3.79
DailyDiurnal	0.02	0.03	0.03	0.32				1.53
Temperature Rise Share = 37.50%								
DiurnalShare	0.01	0.01	0.01	0.12				0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.39	0.49	0.52		1.20	0.28	0.40	1.19	4.36
Evaporat HC:	0.05	0.05	0.05		0.45				2.33
WtDiurnal	0.23	0.30	0.38		4.40				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 9T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.6	28.6	28.6		28.6	28.6	28.6	28.6	28.6	
VMT Mix:	0.876	0.034	0.024		0.005	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.57	0.69	0.72	0.70	2.09	0.37	0.53	1.56	6.99	0.661
Exhaust HC:	0.38	0.49	0.54	0.51	0.96	0.37	0.53	1.56	1.89	0.414
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.130
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.07	0.07	0.27					0.077
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.040
Exhaust CO:	4.76	5.97	6.45	6.17	12.93	0.95	1.08	7.57	16.66	4.890
Exhaust NOX:	0.88	1.07	1.22	1.13	4.29	0.96	1.10	6.93	0.90	0.964

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 9T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.6	28.6	28.6		28.6	28.6	28.6	28.6	28.6	
VMT Mix:	0.868	0.039	0.027		0.005	0.037	0.003	0.009	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.52	0.63	0.67	0.65	1.76	0.37	0.53	1.56	4.75	0.588
Exhaust HC:	0.38	0.49	0.54	0.51	0.95	0.37	0.53	1.56	1.89	0.417
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.05	0.05	0.17					0.055
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	4.76	5.97	6.45	6.16	12.71	0.95	1.08	7.57	15.46	4.892
Exhaust NOX:	0.88	1.06	1.22	1.13	4.27	0.96	1.10	6.93	0.93	0.969

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.19
HC,NoDiurnal	0.51	0.61	0.66	1.56	4.56
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share = 31.25%					
DiurnalShare	0.01	0.01	0.01	0.10	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.52	0.62	0.67		1.66	0.37	0.53	1.56	5.04	
Evaporat HC:	0.05	0.05	0.05		0.49				2.55	
WtDiurnal	0.19	0.25	0.32		3.67				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 9T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.2	28.2	28.2		28.2	28.2	28.2	28.2	28.2	
VMT Mix:	0.897	0.024	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.57	0.69	0.73	0.71	2.16	0.37	0.54	1.58	6.01	0.646
Exhaust HC:	0.38	0.49	0.55	0.52	1.00	0.37	0.54	1.58	1.90	0.414
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.099
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.09	0.09	0.09	0.32					0.086
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.047
Exhaust CO:	4.84	6.07	6.55	6.27	13.63	0.96	1.09	7.68	18.52	4.951
Exhaust NOX:	0.88	1.07	1.23	1.14	4.30	0.97	1.10	6.95	0.86	0.945

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

Hot Soak	0.37	0.43	0.43	0.43	3.54				16.13	
WtDiurnal	0.33	0.44	0.45	0.44	7.43				1.52	
Multiple	1.91	2.11	2.03	2.09	11.41					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.18		
HC,NoDiurnal	0.56	0.67	0.72	1.96				5.83		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.56	0.68	0.72		1.98	0.37	0.54	1.58	5.93	
Evaporat HC:	0.05	0.06	0.05		0.61				3.24	
WtDiurnal	0.04	0.05	0.07		0.82				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 9T 3]

Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.6	28.6	28.6		28.6	28.6	28.6	28.6	28.6	
VMT Mix:	0.857	0.043	0.030		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.55	0.67	0.70	0.68	2.00	0.37	0.53	1.56	5.59	0.634
Exhaust HC:	0.38	0.49	0.54	0.51	0.96	0.37	0.53	1.56	1.89	0.421
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.07	0.07	0.27					0.075
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.043
Exhaust CO:	4.76	5.97	6.45	6.17	13.03	0.95	1.08	7.57	17.21	4.935
Exhaust NOX:	0.88	1.07	1.23	1.13	4.29	0.96	1.10	6.93	0.88	0.992

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.39	3.14				14.19	
WtDiurnal	0.33	0.44	0.45	0.45	7.55				1.83	
Multiple	1.93	2.10	2.02	2.08	11.67					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.54	0.65	0.69	1.79				5.37		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.54	0.66	0.69		1.87	0.37	0.53	1.56	5.74	
Evaporat HC:	0.05	0.06	0.05		0.59				3.14	
WtDiurnal	0.15	0.19	0.25		2.85				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 231F 9T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.9	28.9	28.9		28.9	28.9	28.9	28.9	28.9	
VMT Mix:	0.892	0.026	0.018		0.004	0.038	0.003	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.51	0.62	0.66	0.63	1.69	0.36	0.53	1.55	4.72	0.572
Exhaust HC:	0.37	0.49	0.54	0.51	0.93	0.36	0.53	1.55	1.89	0.407
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.16					0.051
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	4.70	5.90	6.37	6.09	12.40	0.94	1.07	7.49	14.40	4.777
Exhaust NOX:	0.87	1.06	1.21	1.12	4.27	0.96	1.10	6.92	0.96	0.939

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.09				8.64	
WtDiurnal	0.35	0.47	0.48	0.48	8.59				4.50	
Multiple	1.95	2.08	2.00	2.05	13.91					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.23				0.54		
HC,NoDiurnal	0.50	0.60	0.65	1.46				4.18		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.51	0.61	0.66		1.58	0.36	0.53	1.55	4.75	
Evaporat HC:	0.05	0.05	0.05		0.45				2.33	
WtDiurnal	0.23	0.30	0.38		4.40				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F11T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.3	39.3	39.3		39.3	39.3	39.3	39.3	39.3	
VMT Mix:	0.825	0.058	0.041		0.008	0.036	0.005	0.015	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.44	0.56	0.58	0.57	1.67	0.28	0.41	1.19	6.59	0.542
Exhaust HC:	0.28	0.38	0.42	0.40	0.62	0.28	0.41	1.19	1.49	0.324
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.046
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.039
Exhaust CO:	3.11	4.13	4.49	4.28	10.08	0.72	0.81	5.72	11.52	3.322
Exhaust NOX:	0.90	1.07	1.23	1.14	4.67	0.96	1.10	6.95	1.00	1.051

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.34	0.39	0.38	0.39	3.04	13.73
WtDiurnal	0.68	0.86	0.86	0.86	11.80	12.66
Multiple	3.68	4.58	4.40	4.53	20.90	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.04	0.05	0.06	0.19

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F11T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	45.8	45.8	45.8		45.8	45.8	45.8	45.8	45.8	
VMT Mix:	0.848	0.048	0.033		0.007	0.036	0.004	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.46	0.48	0.47	1.25	0.25	0.36	1.06	4.25	0.418
Exhaust HC:	0.24	0.34	0.38	0.36	0.52	0.25	0.36	1.06	1.39	0.280
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.10					0.022
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	2.48	3.43	3.75	3.56	9.62	0.67	0.76	5.34	9.30	2.663
Exhaust NOX:	0.91	1.07	1.23	1.14	4.87	1.05	1.20	7.53	1.08	1.040

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.19		
HC,NoDiurnal	0.34	0.44	0.47	1.05				4.06		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.45	0.48		1.15	0.25	0.36	1.06	4.54	
Evaporat HC:	0.05	0.05	0.05		0.49				2.55	
WtDiurnal	0.19	0.25	0.32		3.67				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F11T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.1	26.1	26.1		26.1	26.1	26.1	26.1	26.1	
VMT Mix:	0.859	0.042	0.029		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.61	0.73	0.78	0.75	2.30	0.40	0.57	1.69	6.12	0.699
Exhaust HC:	0.41	0.53	0.58	0.55	1.11	0.40	0.57	1.69	2.02	0.457
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.09	0.10	0.09	0.34					0.094
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.047
Exhaust CO:	5.34	6.62	7.14	6.83	14.77	1.04	1.18	8.33	20.18	5.537
Exhaust NOX:	0.88	1.07	1.23	1.14	4.22	0.99	1.13	7.09	0.83	0.989

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.43	0.43	0.43	3.54	16.13
WtDiurnal	0.33	0.44	0.45	0.44	7.43	1.52
Multiple	1.91	2.11	2.03	2.09	11.41	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.18
HC,NoDiurnal	0.60	0.71	0.77	2.10	5.94
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.60	0.72	0.77	2.12	0.40	0.57	1.69	6.04
Evaporat HC:	0.05	0.06	0.05	0.61				3.24
WtDiurnal	0.04	0.05	0.07	0.82				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F11T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.1	39.1	39.1		39.1	39.1	39.1	39.1	39.1	
VMT Mix:	0.838	0.052	0.037		0.007	0.036	0.005	0.013	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.54	0.56	0.55	1.58	0.28	0.41	1.20	5.20	0.506
Exhaust HC:	0.28	0.38	0.42	0.40	0.63	0.28	0.41	1.20	1.50	0.322
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.046
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.043
Exhaust CO:	3.13	4.15	4.52	4.30	10.18	0.72	0.82	5.74	11.96	3.325
Exhaust NOX:	0.90	1.08	1.24	1.14	4.66	0.96	1.10	6.94	0.99	1.034

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.39	3.14				14.19	
WtDiurnal	0.33	0.44	0.45	0.45	7.55				1.83	
Multiple	1.93	2.10	2.02	2.08	11.67					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.42	0.52	0.55	1.37				4.98		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.42	0.53	0.55		1.45	0.28	0.41	1.20	5.35	
Evaporat HC:	0.05	0.06	0.05		0.59				3.14	
WtDiurnal	0.15	0.19	0.25		2.85				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F11T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	62.4	62.4	62.4		62.4	62.4	62.4	62.4	62.4	
VMT Mix:	0.757	0.092	0.064		0.013	0.033	0.008	0.023	0.010	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.50	0.53	0.51	1.10	0.22	0.32	0.94	4.94	0.469
Exhaust HC:	0.30	0.40	0.45	0.42	0.46	0.22	0.32	0.94	2.11	0.349
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.031
Exhaust CO:	3.93	5.34	5.97	5.60	13.45	0.80	0.90	6.35	23.56	4.442
Exhaust NOX:	1.28	1.64	1.89	1.74	5.43	1.69	1.93	12.15	1.65	1.681

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.09				8.64
WtDiurnal	0.35	0.47	0.48	0.48	8.59				4.50
Multiple	1.95	2.08	2.00	2.05	13.91				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.03	0.04	0.04	0.04	0.05				0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.23				0.54
HC,NoDiurnal	0.38	0.48	0.52	0.87				4.40
DailyDiurnal	0.02	0.03	0.03	0.32				1.53
Temperature Rise Share =	37.50%							
DiurnalShare	0.01	0.01	0.01	0.12				0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.39	0.49	0.53		0.99	0.22	0.32	0.94	4.97
Evaporat HC:	0.05	0.05	0.05		0.45				2.33
WtDiurnal	0.23	0.30	0.38		4.40				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F12T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	59.2	59.2	59.2		59.2	59.2	59.2	59.2	59.2	
VMT Mix:	0.896	0.024	0.017		0.003	0.039	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.52	0.54	0.53	1.41	0.22	0.32	0.95	6.88	0.488
Exhaust HC:	0.27	0.37	0.41	0.39	0.46	0.22	0.32	0.95	1.78	0.298
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.133
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.017
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.040
Exhaust CO:	3.23	4.43	4.92	4.63	12.38	0.74	0.84	5.91	19.48	3.442
Exhaust NOX:	1.21	1.53	1.76	1.62	5.37	1.49	1.71	10.75	1.44	1.311

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F12T 1]
Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
	------	------	------	------	------	------	------	------	------	------
Veh. Speeds:	61.5	61.5	61.5		61.5	61.5	61.5	61.5	61.5	
VMT Mix:	0.905	0.020	0.013		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.50	0.53	0.51	1.15	0.22	0.32	0.94	4.87	0.447
Exhaust HC:	0.29	0.39	0.44	0.41	0.46	0.22	0.32	0.94	2.01	0.318
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.082
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.012
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.037
Exhaust CO:	3.74	5.08	5.68	5.32	13.18	0.78	0.88	6.21	23.05	3.960
Exhaust NOX:	1.27	1.61	1.85	1.71	5.42	1.63	1.86	11.72	1.57	1.364

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.19		
HC,NoDiurnal	0.38	0.48	0.52	0.95				4.68		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.39	0.49	0.53		1.05	0.22	0.32	0.94	5.16	
Evaporat HC:	0.05	0.05	0.05		0.49				2.55	
WtDiurnal	0.19	0.25	0.32		3.67				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F12T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	53.1	53.1	53.1		53.1	53.1	53.1	53.1	53.1	
VMT Mix:	0.912	0.017	0.012		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.47	0.49	0.48	1.46	0.23	0.33	0.98	5.47	0.428
Exhaust HC:	0.23	0.33	0.36	0.34	0.48	0.23	0.33	0.98	1.37	0.256
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.03	0.03	0.03	0.14					0.023
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.048
Exhaust CO:	2.31	3.23	3.55	3.36	11.01	0.68	0.77	5.42	10.59	2.411
Exhaust NOX:	1.05	1.29	1.48	1.37	5.17	1.23	1.41	8.86	1.19	1.112

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.43	0.43	3.54				16.13	
WtDiurnal	0.33	0.44	0.45	0.44	7.43				1.52	
Multiple	1.91	2.11	2.03	2.09	11.41					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.18		
HC,NoDiurnal	0.35	0.45	0.48	1.26				5.29		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.46	0.48		1.28	0.23	0.33	0.98	5.39	
Evaporat HC:	0.05	0.06	0.05		0.61				3.24	
WtDiurnal	0.04	0.05	0.07		0.82				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 233F12T 3]
Period 1 RVP: 8.7   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	59.5	59.5	59.5		59.5	59.5	59.5	59.5	59.5	
VMT Mix:	0.902	0.021	0.015		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.50	0.53	0.51	1.32	0.22	0.32	0.95	5.51	0.455
Exhaust HC:	0.27	0.37	0.41	0.39	0.46	0.22	0.32	0.95	1.81	0.299
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.017
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.044
Exhaust CO:	3.30	4.51	5.02	4.72	12.60	0.74	0.85	5.94	20.84	3.513
Exhaust NOX:	1.22	1.54	1.77	1.64	5.38	1.51	1.73	10.87	1.43	1.312

Evaporative Emissions by Component   Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.34	0.40	0.39	0.39	3.14	14.19
WtDiurnal	0.33	0.44	0.45	0.45	7.55	1.83
Multiple	1.93	2.10	2.02	2.08	11.67	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.22
HC,NoDiurnal	0.38	0.48	0.52	1.11	5.29
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.38	0.49	0.52		1.19	0.22	0.32	0.95	5.66
Evaporat HC:	0.05	0.06	0.05		0.59				3.14
WtDiurnal	0.15	0.19	0.25		2.85				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F12T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.8	63.8	63.8		63.8	63.8	63.8	63.8	63.8	
VMT Mix:	0.870	0.037	0.026		0.005	0.038	0.003	0.009	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.40	0.51	0.55	0.53	1.11	0.22	0.32	0.94	5.08	0.465
Exhaust HC:	0.31	0.41	0.46	0.43	0.46	0.22	0.32	0.94	2.24	0.344
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	4.24	5.74	6.43	6.02	14.24	0.83	0.94	6.59	26.41	4.552
Exhaust NOX:	1.32	1.69	1.95	1.80	5.48	1.79	2.05	12.88	1.70	1.500

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.09	8.64
WtDiurnal	0.35	0.47	0.48	0.48	8.59	4.50
Multiple	1.95	2.08	2.00	2.05	13.91	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.05	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.23	0.54
HC,NoDiurnal	0.39	0.49	0.54	0.88	4.54
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share =	37.50%				
DiurnalShare	0.01	0.01	0.01	0.12	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.40	0.50	0.55		1.00	0.22	0.32	0.94	5.11
Evaporat HC:	0.05	0.05	0.05		0.45				2.33
WtDiurnal	0.23	0.30	0.38		4.40				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 233F14T 24HR]

Minimum Temp: 71. (F) Maximum Temp: 96. (F)

Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.7	25.7	25.7		25.7	25.7	25.7	25.7	25.7	
VMT Mix:	0.891	0.027	0.019		0.004	0.038	0.002	0.007	0.012	

Composite Emission Factors (Gm/Mile)

VOC HC:	0.62	0.74	0.78	0.76	2.27	0.40	0.58	1.71	7.14	0.709
Exhaust HC:	0.42	0.53	0.59	0.56	1.11	0.40	0.58	1.71	2.04	0.453
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.130
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.08	0.08	0.30					0.086
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.040
Exhaust CO:	5.44	6.73	7.26	6.95	14.45	1.06	1.20	8.46	18.76	5.553
Exhaust NOX:	0.87	1.06	1.22	1.13	4.19	0.99	1.13	7.13	0.85	0.945

Evaporative Emissions by Component

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Weathered RVP: 7.1

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F14T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.2	26.2	26.2		26.2	26.2	26.2	26.2	26.2	
VMT Mix:	0.887	0.029	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.56	0.67	0.71	0.69	1.90	0.40	0.57	1.68	4.87	0.622
Exhaust HC:	0.41	0.53	0.58	0.55	1.08	0.40	0.57	1.68	2.02	0.446
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.05	0.05	0.19					0.061
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	5.31	6.59	7.10	6.80	13.91	1.04	1.18	8.29	17.05	5.407
Exhaust NOX:	0.87	1.06	1.22	1.12	4.18	0.98	1.13	7.09	0.89	0.944

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.19		
HC,NoDiurnal	0.55	0.65	0.70	1.70				4.68		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.56	0.66	0.71		1.80	0.40	0.57	1.68	5.16	
Evaporat HC:	0.05	0.05	0.05		0.49				2.55	
WtDiurnal	0.19	0.25	0.32		3.67				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F14T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	22.5	22.5	22.5		22.5	22.5	22.5	22.5	22.5	
VMT Mix:	0.910	0.018	0.012		0.002	0.039	0.002	0.004	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.69	0.82	0.87	0.84	2.61	0.45	0.65	1.90	6.34	0.763
Exhaust HC:	0.47	0.60	0.66	0.62	1.37	0.45	0.65	1.90	2.24	0.505
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.11	0.11	0.11	0.11	0.40					0.108
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.048
Exhaust CO:	6.40	7.81	8.39	8.04	17.34	1.22	1.39	9.75	23.57	6.498
Exhaust NOX:	0.86	1.07	1.22	1.13	4.09	1.03	1.18	7.45	0.77	0.911

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.43	0.43	0.43	3.54	16.13
WtDiurnal	0.33	0.44	0.45	0.44	7.43	1.52
Multiple	1.91	2.11	2.03	2.09	11.41	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.18
HC,NoDiurnal	0.68	0.80	0.86	2.41	6.16
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Temperature Rise Share = 6.94%

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.68	0.81	0.86		2.43	0.45	0.65	1.90	6.26
Evaporat HC:	0.05	0.06	0.05		0.61				3.24
WtDiurnal	0.04	0.05	0.07		0.82				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F14T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.6	25.6	25.6		25.6	25.6	25.6	25.6	25.6	
VMT Mix:	0.881	0.032	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.60	0.72	0.76	0.74	2.19	0.40	0.58	1.71	5.75	0.679
Exhaust HC:	0.42	0.54	0.59	0.56	1.12	0.40	0.58	1.71	2.05	0.457
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.08	0.08	0.30					0.085
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.043
Exhaust CO:	5.47	6.76	7.29	6.98	14.62	1.06	1.21	8.50	19.46	5.598
Exhaust NOX:	0.87	1.07	1.22	1.13	4.19	0.99	1.13	7.13	0.84	0.955

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.39	3.14				14.19	
WtDiurnal	0.33	0.44	0.45	0.45	7.55				1.83	
Multiple	1.93	2.10	2.02	2.08	11.67					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	0.59	0.70	0.75	1.98				5.53		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =	24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.59	0.71	0.75		2.06	0.40	0.58	1.71	5.90	
Evaporat HC:	0.05	0.06	0.05		0.59				3.14	
WtDiurnal	0.15	0.19	0.25		2.85				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 233F14T 4]

Minimum Temp: 71. (F) Maximum Temp: 85. (F)

Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	29.6	29.6	29.6		29.6	29.6	29.6	29.6	29.6	
VMT Mix:	0.890	0.027	0.019		0.004	0.038	0.002	0.007	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.50	0.61	0.64	0.62	1.65	0.36	0.51	1.52	4.68	0.563
Exhaust HC:	0.36	0.48	0.53	0.50	0.90	0.36	0.51	1.52	1.85	0.400
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.04	0.05	0.04	0.15					0.050
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	4.55	5.74	6.20	5.93	12.11	0.91	1.04	7.31	14.01	4.644
Exhaust NOX:	0.87	1.06	1.21	1.12	4.29	0.96	1.09	6.89	0.97	0.947

Evaporative Emissions by Component Weathered RVP: 7.3

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)

Running Loss Temp: 83.1 (F)

Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.09				8.64	
WtDiurnal	0.35	0.47	0.48	0.48	8.59				4.50	
Multiple	1.95	2.08	2.00	2.05	13.91					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.23				0.54		
HC,NoDiurnal	0.49	0.59	0.63	1.42				4.14		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.50	0.60	0.64		1.54	0.36	0.51	1.52	4.71	
Evaporat HC:	0.05	0.05	0.05		0.45				2.33	
WtDiurnal	0.23	0.30	0.38		4.40				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F16T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.9	19.9	19.9		19.9	19.9	19.9	19.9	19.9	
VMT Mix:	0.897	0.024	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.75	0.89	0.94	0.91	2.82	0.49	0.71	2.09	7.54	0.846
Exhaust HC:	0.53	0.66	0.73	0.69	1.57	0.49	0.71	2.09	2.44	0.570
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.11	0.10	0.10	0.10	0.39					0.108
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.040
Exhaust CO:	7.41	8.93	9.58	9.20	19.07	1.39	1.58	11.08	24.35	7.496
Exhaust NOX:	0.85	1.06	1.21	1.12	3.99	1.08	1.24	7.80	0.76	0.917

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F16T 1]
Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	20.4	20.4	20.4		20.4	20.4	20.4	20.4	20.4	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.68	0.81	0.86	0.83	2.39	0.48	0.70	2.05	5.26	0.752
Exhaust HC:	0.52	0.65	0.71	0.68	1.51	0.48	0.70	2.05	2.40	0.561
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.07	0.07	0.24					0.076
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	7.19	8.69	9.33	8.96	18.24	1.35	1.54	10.80	22.05	7.288
Exhaust NOX:	0.84	1.05	1.21	1.12	3.98	1.07	1.23	7.73	0.80	0.927

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.19		
HC,NoDiurnal	0.67	0.79	0.85	2.19				5.07		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =	31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.68	0.80	0.86		2.29	0.48	0.70	2.05	5.55	
Evaporat HC:	0.05	0.05	0.05		0.49				2.55	
WtDiurnal	0.19	0.25	0.32		3.67				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F16T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	18.1	18.1	18.1		18.1	18.1	18.1	18.1	18.1	
VMT Mix:	0.914	0.016	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.82	0.96	1.02	0.98	3.15	0.53	0.76	2.24	6.70	0.897
Exhaust HC:	0.56	0.71	0.78	0.73	1.80	0.53	0.76	2.24	2.60	0.602
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.15	0.14	0.14	0.14	0.51					0.145
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.048
Exhaust CO:	7.88	9.44	10.14	9.73	21.93	1.53	1.74	12.20	29.24	7.997
Exhaust NOX:	0.85	1.07	1.23	1.14	3.94	1.13	1.29	8.10	0.71	0.905

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.43	0.43	3.54				16.13	
WtDiurnal	0.33	0.44	0.45	0.44	7.43				1.52	
Multiple	1.91	2.11	2.03	2.09	11.41					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.18	
HC,NoDiurnal	0.81	0.94	1.01	2.95				6.52	
DailyDiurnal	0.02	0.03	0.03	0.32				1.53	
Temperature Rise Share =	6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.81	0.95	1.01		2.97	0.53	0.76	2.24	6.62
Evaporat HC:	0.05	0.06	0.05		0.61				3.24
WtDiurnal	0.04	0.05	0.07		0.82				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F16T 3]

Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	20.0	20.0	20.0		20.0	20.0	20.0	20.0	20.0	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.73	0.86	0.92	0.89	2.71	0.49	0.71	2.09	6.13	0.814
Exhaust HC:	0.53	0.66	0.73	0.69	1.56	0.49	0.71	2.09	2.43	0.572
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.094
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.11	0.10	0.10	0.10	0.38					0.106
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.043
Exhaust CO:	7.36	8.88	9.53	9.15	19.11	1.38	1.57	11.03	25.03	7.495
Exhaust NOX:	0.85	1.06	1.21	1.12	3.99	1.08	1.24	7.79	0.75	0.932

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.34	0.40	0.39	0.39	3.14	14.19
WtDiurnal	0.33	0.44	0.45	0.45	7.55	1.83
Multiple	1.93	2.10	2.02	2.08	11.67	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.21	0.22
HC,NoDiurnal	0.72	0.84	0.91	2.50	5.91
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.72	0.85	0.91	2.58	0.49	0.71	2.09	6.28
Evaporat HC:	0.05	0.06	0.05	0.59				3.14
WtDiurnal	0.15	0.19	0.25	2.85				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 233F16T 4]   Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	21.7	21.7	21.7		21.7	21.7	21.7	21.7	21.7	
VMT Mix:	0.904	0.020	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.64	0.76	0.81	0.78	2.19	0.46	0.67	1.96	5.14	0.706
Exhaust HC:	0.49	0.62	0.68	0.64	1.39	0.46	0.67	1.96	2.31	0.526
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.06	0.06	0.21					0.068
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	6.69	8.12	8.73	8.37	16.82	1.27	1.44	10.13	19.55	6.736
Exhaust NOX:	0.85	1.05	1.20	1.11	4.01	1.05	1.20	7.55	0.84	0.908

Evaporative Emissions by Component   Weathered RVP: 7.3   Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.09	8.64
WtDiurnal	0.35	0.47	0.48	0.48	8.59	4.50
Multiple	1.95	2.08	2.00	2.05	13.91	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.05	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.23	0.54
HC,NoDiurnal	0.63	0.74	0.80	1.96	4.60
DailyDiurnal	0.02	0.03	0.03	0.32	1.53

Temperature Rise Share = 37.50%

	LDGV	LDGT1	LDGT2	LDGT	HDDV
DiurnalShare	0.01	0.01	0.01	0.12	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.64	0.75	0.81		2.08	0.46	0.67	1.96	5.17
Evaporat HC:	0.05	0.05	0.05		0.45				2.33
WtDiurnal	0.23	0.30	0.38		4.40				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F17T 24HR]
Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	12.3	12.3	12.3		12.3	12.3	12.3	12.3	12.3	
VMT Mix:	0.897	0.024	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.06	1.23	1.31	1.26	4.22	0.67	0.97	2.85	8.61	1.163
Exhaust HC:	0.70	0.90	0.99	0.93	2.68	0.67	0.97	2.85	3.51	0.765
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.24	0.20	0.21	0.20	0.68					0.230
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.040
Exhaust CO:	9.78	11.57	12.48	11.95	30.68	2.17	2.46	17.32	39.65	10.025
Exhaust NOX:	0.88	1.11	1.27	1.17	3.72	1.31	1.50	9.44	0.68	0.967

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.34	0.39	0.38	0.39	3.04	13.73
WtDiurnal	0.68	0.86	0.86	0.86	11.80	12.66
Multiple	3.68	4.58	4.40	4.53	20.90	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.04	0.05	0.06	0.19

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F17T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	13.1	13.1	13.1		13.1	13.1	13.1	13.1	13.1	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.92	1.11	1.18	1.14	3.54	0.65	0.94	2.76	6.20	1.004
Exhaust HC:	0.68	0.86	0.95	0.90	2.51	0.65	0.94	2.76	3.34	0.741
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.16	0.15	0.16	0.15	0.40					0.147
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	9.42	11.17	12.03	11.53	28.51	2.06	2.34	16.44	34.42	9.644
Exhaust NOX:	0.87	1.09	1.25	1.16	3.73	1.28	1.46	9.22	0.71	0.969

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.19
HC,NoDiurnal	0.91	1.09	1.17	3.34	6.01
DailyDiurnal	0.02	0.03	0.03	0.32	1.53
Temperature Rise Share = 31.25%					
DiurnalShare	0.01	0.01	0.01	0.10	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.92	1.10	1.18		3.44	0.65	0.94	2.76	6.49
Evaporat HC:	0.05	0.05	0.05		0.49				2.55
WtDiurnal	0.19	0.25	0.32		3.67				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 233F17T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	9.8	9.8	9.8		9.8	9.8	9.8	9.8	9.8	
VMT Mix:	0.914	0.016	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.24	1.44	1.54	1.48	5.14	0.75	1.09	3.20	8.38	1.335
Exhaust HC:	0.82	1.05	1.16	1.09	3.33	0.75	1.09	3.20	4.28	0.881
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.32	0.28	0.28	0.28	0.97					0.304
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.048
Exhaust CO:	11.30	13.28	14.35	13.71	38.34	2.57	2.92	20.52	55.52	11.680
Exhaust NOX:	0.91	1.15	1.31	1.21	3.65	1.42	1.63	10.24	0.66	0.979

Evaporative Emissions by Component Weathered RVP: 6.9

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)

Running Loss Temp: 95.7 (F)

Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.43	0.43	0.43	3.54	16.13
WtDiurnal	0.33	0.44	0.45	0.44	7.43	1.52
Multiple	1.91	2.11	2.03	2.09	11.41	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.05	0.05	0.05	0.07	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.18	
HC,NoDiurnal	1.23	1.42	1.53	4.94				8.20	
DailyDiurnal	0.02	0.03	0.03	0.32				1.53	
Temperature Rise Share =	6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.23	1.43	1.53		4.96	0.75	1.09	3.20	8.30
Evaporat HC:	0.05	0.06	0.05		0.61				3.24
WtDiurnal	0.04	0.05	0.07		0.82				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 233F17T 3]   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	12.6	12.6	12.6		12.6	12.6	12.6	12.6	12.6	
VMT Mix:	0.886	0.029	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.02	1.18	1.26	1.22	4.04	0.66	0.96	2.82	7.14	1.115
Exhaust HC:	0.69	0.88	0.97	0.92	2.63	0.66	0.96	2.82	3.44	0.760
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.094
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.23	0.20	0.20	0.20	0.65					0.219
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.043
Exhaust CO:	9.64	11.42	12.31	11.79	30.27	2.13	2.42	16.98	39.91	9.937
Exhaust NOX:	0.88	1.11	1.27	1.17	3.73	1.30	1.49	9.36	0.67	0.980

Evaporative Emissions by Component   Weathered RVP: 7.0   Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.39	3.14				14.19	
WtDiurnal	0.33	0.44	0.45	0.45	7.55				1.83	
Multiple	1.93	2.10	2.02	2.08	11.67					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	1.01	1.16	1.25	3.83				6.92		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =		24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37		
Adjusted HC Emission Factors:										
VOC HC:	1.01	1.17	1.25		3.91	0.66	0.96	2.82	7.29	
Evaporat HC:	0.05	0.06	0.05		0.59				3.14	
WtDiurnal	0.15	0.19	0.25		2.85				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 233F17T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	15.3	15.3	15.3		15.3	15.3	15.3	15.3	15.3	
VMT Mix:	0.905	0.019	0.014		0.003	0.039	0.002	0.005	0.013	

Composite Emission Factors (Gm/Mile)

VOC HC:	0.82	0.98	1.05	1.01	3.03	0.59	0.85	2.51	5.79	0.895
Exhaust HC:	0.62	0.78	0.86	0.81	2.12	0.59	0.85	2.51	2.96	0.668
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.12	0.12	0.12	0.12	0.31					0.114
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	8.62	10.27	11.05	10.60	24.27	1.80	2.04	14.34	27.64	8.725
Exhaust NOX:	0.85	1.07	1.23	1.14	3.79	1.20	1.38	8.67	0.75	0.923

Evaporative Emissions by Component

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Weathered RVP: 7.3

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

Hot Soak	0.27	0.29	0.29	0.29	2.09				8.64	
WtDiurnal	0.35	0.47	0.48	0.48	8.59				4.50	
Multiple	1.95	2.08	2.00	2.05	13.91					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70						
WtDiurn,g/mi	0.01	0.02	0.01	0.23				8.30		
HC,NoDiurnal	0.81	0.96	1.04	2.80				0.54		
DailyDiurnal	0.02	0.03	0.03	0.32				5.25		
Temperature Rise Share =		37.50%						1.53		
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

VOC HC:	0.82	0.97	1.05	2.92	0.59	0.85	2.51	5.82	
Evaporat HC:	0.05	0.05	0.05	0.45				2.33	
WtDiurnal	0.23	0.30	0.38	4.40				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F19T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	9.0	9.0	9.0		9.0	9.0	9.0	9.0	9.0	
VMT Mix:	0.895	0.025	0.018		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.29	1.51	1.61	1.55	5.25	0.78	1.13	3.32	9.73	1.410
Exhaust HC:	0.87	1.11	1.23	1.16	3.48	0.78	1.13	3.32	4.63	0.943
Evaporat HC:	0.08	0.09	0.08	0.09	0.81				4.45	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.32	0.26	0.27	0.27	0.91					0.298
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.65	0.040
Exhaust CO:	11.96	14.02	15.16	14.50	39.25	2.72	3.09	21.72	55.75	12.356
Exhaust NOX:	0.92	1.15	1.32	1.22	3.60	1.46	1.67	10.53	0.69	1.015

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.39	0.38	0.39	3.04				13.73	
WtDiurnal	0.68	0.86	0.86	0.86	11.80				12.66	
Multiple	3.68	4.58	4.40	4.53	20.90					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.68	0.86	0.86		11.80				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.32				1.53	1.927

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F19T 1]
Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	9.8	9.8	9.8		9.8	9.8	9.8	9.8	9.8	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.10	1.35	1.45	1.39	4.40	0.75	1.09	3.20	7.15	1.201
Exhaust HC:	0.82	1.05	1.16	1.09	3.24	0.75	1.09	3.20	4.30	0.897
Evaporat HC:	0.05	0.06	0.05	0.06	0.59				2.26	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.20	0.21	0.21	0.21	0.53					0.189
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.59	0.036
Exhaust CO:	11.30	13.27	14.35	13.72	36.25	2.57	2.92	20.52	47.10	11.657
Exhaust NOX:	0.90	1.13	1.30	1.20	3.61	1.42	1.63	10.24	0.71	1.012

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.43				10.56	
WtDiurnal	0.34	0.45	0.46	0.45	7.46				1.59	
Multiple	1.93	2.05	1.97	2.02	11.45					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.19		
HC,NoDiurnal	1.09	1.33	1.44	4.20				6.96		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.10	1.34	1.45		4.30	0.75	1.09	3.20	7.44	
Evaporat HC:	0.05	0.05	0.05		0.49				2.55	
WtDiurnal	0.19	0.25	0.32		3.67				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F19T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	7.0	7.0	7.0		7.0	7.0	7.0	7.0	7.0	
VMT Mix:	0.912	0.017	0.012		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.55	1.82	1.95	1.87	6.38	0.86	1.24	3.65	9.91	1.656
Exhaust HC:	1.04	1.35	1.49	1.40	4.20	0:86	1.24	3.65	5.81	1.120
Evaporat HC:	0.06	0.07	0.06	0.07	0.79				3.32	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.41	0.35	0.36	0.36	1.33					0.386
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.78	0.048
Exhaust CO:	14.28	16.62	18.03	17.20	47.90	3.15	3.58	25.15	80.23	14.889
Exhaust NOX:	0.96	1.21	1.39	1.28	3.55	1.57	1.80	11.33	0.69	1.038

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.43	0.43	0.43	3.54				16.13	
WtDiurnal	0.33	0.44	0.45	0.44	7.43				1.52	
Multiple	1.91	2.11	2.03	2.09	11.41					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.18		
HC,NoDiurnal	1.54	1.80	1.94	6.18				9.73		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.54	1.81	1.94		6.20	0.86	1.24	3.65	9.83	
Evaporat HC:	0.05	0.06	0.05		0.61				3.24	
WtDiurnal	0.04	0.05	0.07		0.82				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F19T 3]

Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	9.2	9.2	9.2		9.2	9.2	9.2	9.2	9.2	
VMT Mix:	0.882	0.031	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.25	1.46	1.57	1.50	5.08	0.77	1.12	3.29	8.24	1.362
Exhaust HC:	0.85	1.10	1.21	1.14	3.43	0.77	1.12	3.29	4.54	0.939
Evaporat HC:	0.06	0.07	0.06	0.06	0.72				2.99	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.30	0.26	0.26	0.26	0.88					0.286
Rsting L HC:	0.04	0.04	0.03	0.04	0.05				0.71	0.043
Exhaust CO:	11.78	13.82	14.95	14.29	38.94	2.68	3.05	21.41	56.20	12.262
Exhaust NOX:	0.92	1.15	1.32	1.22	3.61	1.45	1.66	10.45	0.68	1.038

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

Hot Soak	0.34	0.40	0.39	0.39	3.14				14.19	
WtDiurnal	0.33	0.44	0.45	0.45	7.55				1.83	
Multiple	1.93	2.10	2.02	2.08	11.67					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.21				0.22		
HC,NoDiurnal	1.24	1.44	1.56	4.87				8.02		
DailyDiurnal	0.02	0.03	0.03	0.32				1.53		
Temperature Rise Share =		24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

VOC HC:	1.24	1.45	1.56	4.95	0.77	1.12	3.29	8.39	
Evaporat HC:	0.05	0.06	0.05	0.59				3.14	
WtDiurnal	0.15	0.19	0.25	2.85				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 233F19T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	11.2	11.2	11.2		11.2	11.2	11.2	11.2	11.2	
VMT Mix:	0.903	0.021	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.99	1.22	1.31	1.25	3.91	0.70	1.02	3.00	6.66	1.083
Exhaust HC:	0.75	0.95	1.05	0.99	2.89	0.70	1.02	3.00	3.83	0.812
Evaporat HC:	0.05	0.06	0.05	0.05	0.56				2.30	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.17	0.18	0.18	0.18	0.42					0.158
Rsting L HC:	0.03	0.03	0.03	0.03	0.04				0.53	0.032
Exhaust CO:	10.36	12.23	13.20	12.62	32.19	2.33	2.65	18.63	38.35	10.585
Exhaust NOX:	0.88	1.11	1.27	1.17	3.65	1.36	1.55	9.77	0.72	0.962

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.09	8.64
WtDiurnal	0.35	0.47	0.48	0.48	8.59	4.50
Multiple	1.95	2.08	2.00	2.05	13.91	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.05	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT		
Daily Veh Mi	31.10	26.30	33.70	36.70		8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.23		0.54
HC,NoDiurnal	0.98	1.20	1.30	3.68		6.12
DailyDiurnal	0.02	0.03	0.03	0.32		1.53
Temperature Rise Share = 37.50%						
DiurnalShare	0.01	0.01	0.01	0.12		0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.99	1.21	1.31		3.80	0.70	1.02	3.00	6.69
Evaporat HC:	0.05	0.05	0.05		0.45				2.33
WtDiurnal	0.23	0.30	0.38		4.40				4.76

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Montgomery County MOBILE Output Files
2005 Control Strategy Scenario

MOBILE5 Processing Report

MOB5a_H I/M Program Options (Nov-95)

M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
0.999 MYR sum not = 1. (will normalize)
M114 Warning:
Purge Check emission benefits assume the use of a dynomometer and the IM240 transient test procedure driving cycle.

I/M program #1 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1975
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #1 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Idle
Cutpoints, HC: 220.000
Cutpoints, CO: 1.200
Cutpoints, NOx: 999.000

I/M program #2 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1981
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #2 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Loaded / Idle
Cutpoints, HC: 50.000
Cutpoints, CO: 15.000
Cutpoints, NOx: 1.000

Functional Check Program Description:

Check	Start (Jan1)	Model Yrs Covered	Vehicle Classes Covered LDGV	LDGT1	LDGT2	HDGV	Inspection Type	Freq	Comp Rate
Press	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
Purge	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
ATP	1998	1975-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%

Air pump system disablements:	Yes	Catalyst removals:	Yes
Fuel inlet restrictor disablements:	Yes	Tailpipe lead deposit test:	No
EGR disablement:	Yes	Evaporative system disablements:	Yes
PCV system disablements:	Yes	Missing gas caps:	Yes

VOC HC emission factors include all evaporative HC emission factors, except for refueling emissions.

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 461F 2T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	54.0	54.0	54.0		54.0	54.0	54.0	54.0	54.0	
VMT Mix:	0.866	0.039	0.027		0.005	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.49	0.51	0.50	1.38	0.23	0.33	0.97	6.56	0.449
Exhaust HC:	0.23	0.33	0.37	0.35	0.46	0.23	0.33	0.97	1.39	0.262
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.020
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	2.31	3.26	3.61	3.40	10.49	0.69	0.78	5.46	9.73	2.474
Exhaust NOX:	1.06	1.33	1.55	1.42	5.13	1.28	1.45	9.09	1.26	1.199

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 2T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	53.7	53.7	53.7		53.7	53.7	53.7	53.7	53.7	
VMT Mix:	0.865	0.039	0.028		0.005	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.33	0.44	0.47	0.45	1.13	0.23	0.33	0.97	4.29	0.391
Exhaust HC:	0.23	0.33	0.37	0.35	0.46	0.23	0.33	0.97	1.39	0.262
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.07					0.014
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	2.31	3.26	3.61	3.41	10.26	0.69	0.78	5.45	9.03	2.465
Exhaust NOX:	1.05	1.31	1.53	1.40	5.09	1.26	1.44	9.01	1.30	1.186

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.29	0.33	0.32	0.33	2.33	10.56
WtDiurnal	0.33	0.45	0.46	0.45	7.10	1.59
Multiple	1.87	2.05	1.98	2.03	10.98	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.04	0.04	0.04	0.05	0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.19
HC,NoDiurnal	0.32	0.42	0.46	0.94	4.10
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share = 31.25%					
DiurnalShare	0.01	0.01	0.01	0.10	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.33	0.43	0.47		1.03	0.23	0.33	0.97	4.58
Evaporat HC:	0.05	0.05	0.05		0.46				2.58
WtDiurnal	0.19	0.25	0.32		3.56				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 461F 2T 2]   Minimum Temp: 91. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	51.1	51.1	51.1		51.1	51.1	51.1	51.1	51.1	
VMT Mix:	0.891	0.026	0.019		0.004	0.038	0.003	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.48	0.50	0.49	1.42	0.24	0.34	1.00	5.54	0.431
Exhaust HC:	0.23	0.33	0.37	0.35	0.48	0.24	0.34	1.00	1.38	0.258
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.103
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.03	0.03	0.03	0.14					0.024
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	2.31	3.26	3.62	3.41	10.34	0.67	0.76	5.34	10.64	2.448
Exhaust NOX:	0.99	1.22	1.42	1.30	5.05	1.18	1.34	8.41	1.12	1.077

Evaporative Emissions by Component   Weathered RVP: 6.9   Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	0.34	0.46	0.49	1.23				5.36		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 6.94%										
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.34	0.47	0.49		1.25	0.24	0.34	1.00	5.46	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 2T 3]

Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	53.6	53.6	53.6		53.6	53.6	53.6	53.6	53.6	
VMT Mix:	0.853	0.045	0.032		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.34	0.46	0.49	0.47	1.30	0.23	0.33	0.98	5.14	0.420
Exhaust HC:	0.23	0.33	0.37	0.35	0.46	0.23	0.33	0.98	1.39	0.264
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.094
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.020
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	2.31	3.26	3.61	3.41	10.47	0.69	0.78	5.44	10.05	2.501
Exhaust NOX:	1.06	1.31	1.53	1.40	5.12	1.26	1.43	8.98	1.23	1.205

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.33	0.44	0.48	1.10				4.92		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.33	0.45	0.48		1.18	0.23	0.33	0.98	5.29	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 461F 2T 4]   Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	58.3	58.3	58.3		58.3	58.3	58.3	58.3	58.3	
VMT Mix:	0.867	0.038	0.027		0.005	0.037	0.004	0.010	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.46	0.50	0.48	1.06	0.23	0.33	0.95	4.60	0.413
Exhaust HC:	0.26	0.36	0.41	0.38	0.45	0.23	0.33	0.95	1.72	0.292
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.012
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.031
Exhaust CO:	3.03	4.21	4.71	4.42	11.37	0.73	0.83	5.81	15.27	3.247
Exhaust NOX:	1.17	1.49	1.74	1.59	5.23	1.46	1.66	10.41	1.50	1.323

Evaporative Emissions by Component   Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.34	0.44	0.49	0.84				4.06		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.45	0.50		0.95	0.23	0.33	0.95	4.63	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 6T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	47.0	47.0	47.0		47.0	47.0	47.0	47.0	47.0	
VMT Mix:	0.887	0.029	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.37	0.50	0.52	0.51	1.46	0.25	0.36	1.05	6.57	0.456
Exhaust HC:	0.24	0.34	0.38	0.35	0.50	0.25	0.36	1.05	1.40	0.263
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.14					0.026
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	2.38	3.35	3.71	3.49	9.57	0.67	0.76	5.31	9.88	2.506
Exhaust NOX:	0.90	1.08	1.26	1.16	4.89	1.08	1.23	7.70	1.05	0.989

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.33	0.39	0.38	0.39	2.92	13.73
WtDiurnal	0.66	0.86	0.86	0.86	11.36	12.66
Multiple	3.58	4.59	4.43	4.54	20.18	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.04	0.05	0.05	0.19

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 6T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	47.2	47.2	47.2		47.2	47.2	47.2	47.2	47.2	
VMT Mix:	0.880	0.032	0.023		0.004	0.038	0.003	0.008	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.34	0.45	0.48	0.46	1.19	0.25	0.36	1.04	4.29	0.396
Exhaust HC:	0.24	0.34	0.38	0.35	0.50	0.25	0.36	1.04	1.40	0.264
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.018
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	2.37	3.33	3.69	3.48	9.43	0.67	0.76	5.31	9.14	2.492
Exhaust NOX:	0.90	1.08	1.26	1.15	4.86	1.08	1.23	7.73	1.09	0.995

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.33	0.43	0.47	1.00				4.10		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.34	0.44	0.48		1.09	0.25	0.36	1.04	4.58	
Evaporat HC:	0.05	0.05	0.05		0.46				2.58	
WtDiurnal	0.19	0.25	0.32		3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 461F 6T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	45.2	45.2	45.2		45.2	45.2	45.2	45.2	45.2	
VMT Mix:	0.904	0.020	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.38	0.50	0.53	0.51	1.50	0.26	0.37	1.07	5.57	0.451
Exhaust HC:	0.24	0.35	0.39	0.36	0.53	0.26	0.37	1.07	1.41	0.269
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.04	0.04	0.04	0.17					0.034
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	2.53	3.51	3.89	3.67	9.87	0.67	0.76	5.35	11.12	2.640
Exhaust NOX:	0.91	1.09	1.27	1.16	4.84	1.05	1.19	7.46	1.00	0.968

Evaporative Emissions by Component Weathered RVP: 6.9

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	0.37	0.48	0.52	1.31				5.39		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 6.94%										
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.37	0.49	0.52		1.33	0.26	0.37	1.07	5.49	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 6T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	46.8	46.8	46.8		46.8	46.8	46.8	46.8	46.8	
VMT Mix:	0.873	0.036	0.025		0.005	0.037	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.48	0.50	0.49	1.37	0.25	0.36	1.05	5.15	0.429
Exhaust HC:	0.24	0.34	0.38	0.35	0.50	0.25	0.36	1.05	1.40	0.267
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.14					0.026
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	2.40	3.36	3.73	3.51	9.62	0.67	0.76	5.32	10.23	2.554
Exhaust NOX:	0.91	1.08	1.27	1.16	4.88	1.08	1.22	7.67	1.03	1.011

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.35	0.46	0.49	1.17				4.93		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

VOC HC:	0.35	0.47	0.49		1.25	0.25	0.36	1.05	5.30	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 461F 6T 4]

Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	49.1	49.1	49.1		49.1	49.1	49.1	49.1	49.1	
VMT Mix:	0.896	0.024	0.017		0.003	0.039	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.32	0.44	0.47	0.45	1.12	0.24	0.35	1.02	4.27	0.384
Exhaust HC:	0.23	0.33	0.37	0.35	0.48	0.24	0.35	1.02	1.40	0.258
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.07					0.015
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	2.31	3.26	3.61	3.41	9.45	0.67	0.76	5.31	8.51	2.404
Exhaust NOX:	0.93	1.12	1.30	1.19	4.91	1.13	1.28	8.03	1.17	1.003

Evaporative Emissions by Component   Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.01	8.64
WtDiurnal	0.35	0.48	0.48	0.48	8.21	4.50
Multiple	1.90	2.08	2.01	2.06	13.38	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.04	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54	
HC,NoDiurnal	0.31	0.42	0.46	0.90				3.73	
DailyDiurnal	0.02	0.03	0.03	0.31				1.53	
Temperature Rise Share = 37.50%									
DiurnalShare	0.01	0.01	0.01	0.12				0.57	
Adjusted HC Emission Factors:									
VOC HC:	0.32	0.43	0.47		1.01	0.24	0.35	1.02	4.30
Evaporat HC:	0.05	0.05	0.05		0.42				2.37
WtDiurnal	0.23	0.30	0.38		4.27				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 461F 7T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.2	37.2	37.2		37.2	37.2	37.2	37.2	37.2	
VMT Mix:	0.881	0.032	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.45	0.58	0.62	0.60	1.66	0.30	0.43	1.25	6.74	0.541
Exhaust HC:	0.29	0.40	0.45	0.42	0.65	0.30	0.43	1.25	1.57	0.324
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.050
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	3.35	4.44	4.89	4.62	10.09	0.75	0.85	5.94	12.30	3.469
Exhaust NOX:	0.89	1.08	1.26	1.15	4.55	0.96	1.10	6.86	0.99	0.972

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 461F 7T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.4	37.4	37.4		37.4	37.4	37.4	37.4	37.4	
VMT Mix:	0.872	0.036	0.025		0.005	0.038	0.003	0.009	0.012	

Composite Emission Factors (Gm/Mile)

VOC HC:	0.41	0.53	0.57	0.54	1.37	0.30	0.43	1.24	4.46	0.475
Exhaust HC:	0.29	0.40	0.45	0.42	0.65	0.30	0.43	1.24	1.57	0.324
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.03	0.04	0.04	0.12					0.036
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	3.33	4.41	4.86	4.59	9.89	0.75	0.85	5.92	11.34	3.451
Exhaust NOX:	0.89	1.07	1.25	1.15	4.53	0.96	1.10	6.86	1.02	0.981

Evaporative Emissions by Component

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Weathered RVP: 7.2

Hot Soak Temp: 86.1 (F)

Running Loss Temp: 86.2 (F)

Resting Loss Temp: 81.6 (F)

Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.40	0.51	0.56	1.18				4.27		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		31.25%								
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

VOC HC:	0.41	0.52	0.57		1.27	0.30	0.43	1.24	4.75	
Evaporat HC:	0.05	0.05	0.05		0.46				2.58	
WtDiurnal	0.19	0.25	0.32		3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 7T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	35.7	35.7	35.7		35.7	35.7	35.7	35.7	35.7	
VMT Mix:	0.900	0.022	0.016		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.46	0.59	0.63	0.61	1.74	0.31	0.44	1.29	5.77	0.540
Exhaust HC:	0.30	0.41	0.46	0.43	0.70	0.31	0.44	1.29	1.61	0.331
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.06	0.07	0.06	0.24					0.060
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	3.55	4.66	5.13	4.85	10.75	0.77	0.88	6.14	14.11	3.656
Exhaust NOX:	0.89	1.08	1.27	1.16	4.51	0.96	1.09	6.82	0.94	0.948

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	0.45	0.57	0.62	1.55				5.59		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.45	0.58	0.62		1.57	0.31	0.44	1.29	5.69	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes   ASTM Class: C

[A 461F 7T 3]

Period 1 RVP: 8.7   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.2	37.2	37.2		37.2	37.2	37.2	37.2	37.2	
VMT Mix:	0.864	0.040	0.028		0.005	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.56	0.60	0.57	1.57	0.30	0.43	1.25	5.32	0.512
Exhaust HC:	0.29	0.40	0.45	0.42	0.65	0.30	0.43	1.25	1.57	0.328
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.050
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	3.35	4.44	4.89	4.62	10.16	0.75	0.85	5.94	12.70	3.504
Exhaust NOX:	0.89	1.08	1.26	1.16	4.55	0.96	1.10	6.86	0.98	0.994

Evaporative Emissions by Component   Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22	
HC,NoDiurnal	0.43	0.54	0.59	1.37				5.10	
DailyDiurnal	0.02	0.03	0.03	0.31				1.53	
Temperature Rise Share = 24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.43	0.55	0.59		1.45	0.30	0.43	1.25	5.47
Evaporat HC:	0.05	0.06	0.05		0.56				3.18
WtDiurnal	0.15	0.19	0.25		2.77				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 7T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	38.8	38.8	38.8		38.8	38.8	38.8	38.8	38.8	
VMT Mix:	0.896	0.024	0.017		0.003	0.039	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.51	0.54	0.52	1.29	0.29	0.41	1.21	4.41	0.451
Exhaust HC:	0.28	0.39	0.44	0.41	0.61	0.29	0.41	1.21	1.53	0.309
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.11					0.031
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	3.16	4.22	4.65	4.40	9.58	0.73	0.82	5.77	10.27	3.239
Exhaust NOX:	0.89	1.07	1.25	1.14	4.56	0.97	1.11	6.92	1.06	0.950

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	.0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.38	0.49	0.53	1.07				3.87		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		37.50%								
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.39	0.50	0.54		1.18	0.29	0.41	1.21	4.44	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 8T 24HR]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.7	37.7	37.7		37.7	37.7	37.7	37.7	37.7	
VMT Mix:	0.852	0.046	0.032		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.45	0.58	0.61	0.59	1.65	0.29	0.42	1.23	6.73	0.544
Exhaust HC:	0.29	0.40	0.45	0.42	0.64	0.29	0.42	1.23	1.56	0.326
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.130
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.049
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	3.29	4.37	4.81	4.55	10.01	0.74	0.84	5.88	12.11	3.459
Exhaust NOX:	0.89	1.08	1.26	1.15	4.56	0.97	1.10	6.87	0.99	1.005

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 8T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	38.3	38.3	38.3		38.3	38.3	38.3	38.3	38.3	
VMT Mix:	0.839	0.052	0.036		0.007	0.036	0.005	0.013	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.40	0.52	0.56	0.53	1.35	0.29	0.42	1.22	4.44	0.475
Exhaust HC:	0.28	0.39	0.44	0.41	0.63	0.29	0.42	1.22	1.54	0.326
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.04	0.03	0.03	0.03	0.12					0.034
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	3.22	4.29	4.72	4.47	9.76	0.73	0.83	5.82	11.05	3.400
Exhaust NOX:	0.89	1.07	1.25	1.15	4.56	0.97	1.10	6.90	1.03	1.021

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.39	0.50	0.55	1.16				4.25		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.40	0.51	0.56		1.25	0.29	0.42	1.22	4.73	
Evaporat HC:	0.05	0.05	0.05		0.46				2.58	
WtDiurnal	0.19	0.25	0.32		3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 461F 8T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)

Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	35.8	35.8	35.8		35.8	35.8	35.8	35.8	35.8	
VMT Mix:	0.880	0.032	0.023		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.46	0.59	0.63	0.61	1.73	0.31	0.44	1.29	5.77	0.540
Exhaust HC:	0.30	0.41	0.46	0.43	0.70	0.31	0.44	1.29	1.61	0.335
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.099
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.06	0.07	0.06	0.23					0.060
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.046
Exhaust CO:	3.53	4.64	5.11	4.84	10.73	0.77	0.87	6.12	14.06	3.669
Exhaust NOX:	0.89	1.08	1.27	1.16	4.52	0.96	1.09	6.82	0.94	0.974

Evaporative Emissions by Component Weathered RVP: 6.9

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.44	0.43	0.43	3.40	16.13
WtDiurnal	0.32	0.44	0.45	0.44	7.07	1.52
Multiple	1.86	2.12	2.04	2.09	10.94	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.06	0.05	0.05	0.06	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.18
HC,NoDiurnal	0.45	0.57	0.62	1.54	5.59
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share = 6.94%					
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.45	0.58	0.62		1.56	0.31	0.44	1.29	5.69
Evaporat HC:	0.05	0.06	0.05		0.58				3.29
WtDiurnal	0.04	0.05	0.07		0.79				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 8T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	37.8	37.8	37.8		37.8	37.8	37.8	37.8	37.8	
VMT Mix:	0.826	0.058	0.041		0.008	0.036	0.005	0.014	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.55	0.59	0.57	1.56	0.29	0.42	1.23	5.31	0.517
Exhaust HC:	0.29	0.40	0.44	0.42	0.64	0.29	0.42	1.23	1.55	0.332
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.19					0.048
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	3.28	4.35	4.80	4.54	10.06	0.74	0.84	5.87	12.47	3.500
Exhaust NOX:	0.89	1.08	1.26	1.16	4.57	0.97	1.10	6.88	0.98	1.038

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.42	0.53	0.58	1.36				5.09		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		
Adjusted HC Emission Factors:										
VOC HC:	0.42	0.54	0.58		1.44	0.29	0.42	1.23	5.46	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 461F 8T 4]
Period 1 RVP: 8.7   Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	39.1	39.1	39.1		39.1	39.1	39.1	39.1	39.1	
VMT Mix:	0.874	0.035	0.024		0.005	0.038	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.50	0.54	0.52	1.28	0.29	0.41	1.20	4.40	0.451
Exhaust HC:	0.28	0.39	0.43	0.40	0.61	0.29	0.41	1.20	1.53	0.312
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.10					0.031
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.031
Exhaust CO:	3.13	4.18	4.61	4.36	9.54	0.72	0.82	5.74	10.18	3.241
Exhaust NOX:	0.89	1.07	1.25	1.14	4.57	0.97	1.11	6.94	1.07	0.980

Evaporative Emissions by Component   Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.38	0.48	0.53	1.06				3.86		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.39	0.49	0.54		1.17	0.29	0.41	1.20	4.43	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 461F 9T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.7	28.7	28.7		28.7	28.7	28.7	28.7	28.7	
VMT Mix:	0.858	0.043	0.030		0.006	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.56	0.69	0.74	0.71	2.01	0.37	0.53	1.56	7.08	0.658
Exhaust HC:	0.37	0.49	0.55	0.52	0.94	0.37	0.53	1.56	1.91	0.415
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.130
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.07	0.07	0.26					0.074
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	4.73	5.99	6.56	6.22	12.53	0.95	1.08	7.54	16.68	4.902
Exhaust NOX:	0.87	1.07	1.25	1.15	4.25	0.97	1.11	6.93	0.90	0.979

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 9T 1]

Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.8	28.8	28.8		28.8	28.8	28.8	28.8	28.8	
VMT Mix:	0.849	0.048	0.033		0.006	0.037	0.004	0.011	0.012	

Composite Emission Factors (Gm/Mile)

VOC HC:	0.51	0.63	0.68	0.65	1.69	0.37	0.53	1.55	4.80	0.584
Exhaust HC:	0.37	0.49	0.55	0.51	0.93	0.37	0.53	1.55	1.91	0.416
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.05	0.05	0.16					0.053
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	4.71	5.96	6.53	6.20	12.28	0.95	1.07	7.51	15.42	4.880
Exhaust NOX:	0.87	1.07	1.25	1.14	4.23	0.97	1.11	6.92	0.93	0.984

Evaporative Emissions by Component
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Weathered RVP: 7.2

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

Hot Soak	0.29	0.33	0.32	0.33	2.33	10.56
WtDiurnal	0.33	0.45	0.46	0.45	7.10	1.59
Multiple	1.87	2.05	1.98	2.03	10.98	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.04	0.04	0.04	0.05	0.17

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 9T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.4	28.4	28.4		28.4	28.4	28.4	28.4	28.4	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.56	0.70	0.74	0.72	2.07	0.37	0.54	1.57	6.08	0.639
Exhaust HC:	0.37	0.50	0.56	0.52	0.97	0.37	0.54	1.57	1.92	0.411
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.099
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.09	0.09	0.30					0.083
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.046
Exhaust CO:	4.79	6.06	6.64	6.30	13.14	0.96	1.09	7.62	18.46	4.931
Exhaust NOX:	0.88	1.08	1.26	1.15	4.26	0.97	1.11	6.94	0.86	0.952

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	0.55	0.68	0.73	1.88				5.90		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.55	0.69	0.73		1.90	0.37	0.54	1.57	6.00	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 461F 9T 3]

Period 1 RVP: 8.7   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.7	28.7	28.7		28.7	28.7	28.7	28.7	28.7	
VMT Mix:	0.836	0.054	0.037		0.007	0.036	0.005	0.013	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.54	0.67	0.72	0.69	1.92	0.37	0.53	1.56	5.66	0.631
Exhaust HC:	0.37	0.49	0.55	0.52	0.94	0.37	0.53	1.56	1.91	0.422
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.094
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.07	0.07	0.25					0.073
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	4.73	5.99	6.56	6.22	12.62	0.95	1.08	7.54	17.22	4.952
Exhaust NOX:	0.88	1.08	1.26	1.15	4.25	0.97	1.11	6.93	0.89	1.007

Evaporative Emissions by Component   Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83
Multiple	1.88	2.10	2.03	2.08	11.19				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.05	0.05	0.05	0.06				0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70					8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20					0.22
HC,NoDiurnal	0.53	0.65	0.71	1.72					5.44
DailyDiurnal	0.02	0.03	0.03	0.31					1.53
Temperature Rise Share = 24.31%									
DiurnalShare	0.00	0.01	0.01	0.08					0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.53	0.66	0.71		1.80	0.37	0.53	1.56	5.81
Evaporat HC:	0.05	0.06	0.05		0.56				3.18
WtDiurnal	0.15	0.19	0.25		2.77				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 461F 9T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	29.0	29.0	29.0		29.0	29.0	29.0	29.0	29.0	
VMT Mix:	0.881	0.032	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.50	0.62	0.67	0.64	1.63	0.37	0.53	1.54	4.78	0.563
Exhaust HC:	0.37	0.49	0.55	0.51	0.91	0.37	0.53	1.54	1.90	0.405
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.15					0.049
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.031
Exhaust CO:	4.67	5.92	6.48	6.15	12.05	0.94	1.07	7.46	14.41	4.763
Exhaust NOX:	0.87	1.06	1.24	1.14	4.22	0.97	1.10	6.91	0.96	0.948

Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

Evaporative Emissions by Component
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.49	0.60	0.66	1.41				4.24		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		37.50%								
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.50	0.61	0.67		1.52	0.37	0.53	1.54	4.81	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F12T 24HR]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.871	0.037	0.026		0.005	0.037	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.44	0.58	0.62	0.59	1.36	0.23	0.32	0.94	7.55	0.535
Exhaust HC:	0.32	0.43	0.49	0.45	0.47	0.23	0.32	0.94	2.38	0.353
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.129
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.08					0.014
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	4.52	6.14	6.92	6.46	15.06	0.86	0.98	6.83	33.16	4.910
Exhaust NOX:	1.35	1.77	2.07	1.89	5.51	1.91	2.17	13.57	1.64	1.544

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F12T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.882	0.031	0.022		0.004	0.038	0.003	0.007	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.41	0.54	0.58	0.55	1.11	0.23	0.32	0.94	5.28	0.480
Exhaust HC:	0.32	0.43	0.49	0.45	0.46	0.23	0.32	0.94	2.38	0.352
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.036
Exhaust CO:	4.52	6.14	6.92	6.46	14.82	0.86	0.98	6.83	30.78	4.868
Exhaust NOX:	1.35	1.76	2.06	1.89	5.48	1.91	2.17	13.57	1.70	1.506

Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

Evaporative Emissions by Component
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.40	0.52	0.57	0.92				5.09		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		31.25%								
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

VOC HC:	0.41	0.53	0.58	1.01	0.23	0.32	0.94	5.57	
Evaporat HC:	0.05	0.05	0.05	0.46				2.58	
WtDiurnal	0.19	0.25	0.32	3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F12T 2]

Period 1 RVP: 8.7 Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.891	0.027	0.018		0.004	0.038	0.002	0.007	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.56	0.61	0.58	1.36	0.23	0.32	0.94	6.53	0.516
Exhaust HC:	0.32	0.43	0.49	0.45	0.48	0.23	0.32	0.94	2.37	0.351
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.103
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.016
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	4.52	6.14	6.93	6.46	15.63	0.86	0.98	6.83	36.27	4.932
Exhaust NOX:	1.36	1.78	2.08	1.90	5.53	1.91	2.17	13.57	1.58	1.513

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.44	0.43	0.43	3.40	16.13
WtDiurnal	0.32	0.44	0.45	0.44	7.07	1.52
Multiple	1.86	2.12	2.04	2.09	10.94	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.06	0.05	0.05	0.06	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.18
HC,NoDiurnal	0.42	0.54	0.60	1.17	6.35
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.42	0.55	0.60		1.19	0.23	0.32	0.94	6.45
Evaporat HC:	0.05	0.06	0.05		0.58				3.29
WtDiurnal	0.04	0.05	0.07		0.79				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F12T 3]

Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.877	0.033	0.023		0.005	0.038	0.003	0.008	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.42	0.55	0.60	0.57	1.27	0.23	0.32	0.94	6.13	0.506
Exhaust HC:	0.32	0.43	0.49	0.45	0.47	0.23	0.32	0.94	2.38	0.353
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.096
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.07					0.014
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	4.52	6.14	6.92	6.46	15.17	0.86	0.98	6.83	34.25	4.933
Exhaust NOX:	1.36	1.78	2.07	1.90	5.51	1.91	2.17	13.57	1.62	1.532

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.41	0.53	0.59	1.07				5.91		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

VOC HC:	0.41	0.54	0.59	1.15	0.23	0.32	0.94	6.28	
Evaporat HC:	0.05	0.06	0.05	0.56				3.18	
WtDiurnal	0.15	0.19	0.25	2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F12T 4]

Period 1 RVP: 8.7 Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	65.0	65.0	65.0		65.0	65.0	65.0	65.0	65.0	
VMT Mix:	0.823	0.059	0.041		0.008	0.036	0.006	0.015	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.53	0.57	0.55	1.07	0.23	0.32	0.94	5.26	0.483
Exhaust HC:	0.32	0.43	0.49	0.45	0.46	0.23	0.32	0.94	2.39	0.362
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.04					0.010
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.031
Exhaust CO:	4.52	6.14	6.92	6.46	14.63	0.86	0.98	6.83	29.00	4.967
Exhaust NOX:	1.34	1.75	2.05	1.88	5.46	1.91	2.17	13.57	1.75	1.641

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.01	8.64
WtDiurnal	0.35	0.48	0.48	0.48	8.21	4.50
Multiple	1.90	2.08	2.01	2.06	13.38	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.04	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	MC
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.54
HC,NoDiurnal	0.39	0.51	0.56	0.85	4.72
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
DiurnalShare	0.01	0.01	0.01	0.12	0.57

Temperature Rise Share = 37.50%

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.40	0.52	0.57		0.96	0.23	0.32	0.94	5.29
Evaporat HC:	0.05	0.05	0.05		0.42				2.37
WtDiurnal	0.23	0.30	0.38		4.27				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 462F14T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	57.8	57.8	57.8		57.8	57.8	57.8	57.8	57.8	
VMT Mix:	0.893	0.026	0.018		0.004	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.38	0.51	0.54	0.52	1.36	0.23	0.33	0.95	6.84	0.466
Exhaust HC:	0.26	0.36	0.40	0.38	0.45	0.23	0.33	0.95	1.67	0.282
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.017
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	2.92	4.07	4.54	4.26	11.53	0.73	0.82	5.76	16.29	3.105
Exhaust NOX:	1.16	1.48	1.73	1.58	5.26	1.44	1.64	10.24	1.40	1.267

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F14T 1]
Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	57.9	57.9	57.9		57.9	57.9	57.9	57.9	57.9	
VMT Mix:	0.890	0.028	0.019		0.004	0.038	0.002	0.007	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.47	0.50	0.48	1.11	0.23	0.33	0.95	4.58	0.410
Exhaust HC:	0.26	0.36	0.41	0.38	0.45	0.23	0.33	0.95	1.68	0.284
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.06					0.013
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	2.95	4.09	4.57	4.29	11.38	0.73	0.82	5.77	15.34	3.123
Exhaust NOX:	1.16	1.48	1.72	1.58	5.23	1.44	1.64	10.27	1.45	1.275

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.34	0.45	0.49	0.92				4.39		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.46	0.50		1.01	0.23	0.33	0.95	4.87	
Evaporat HC:	0.05	0.05	0.05		0.46				2.58	
WtDiurnal	0.19	0.25	0.32		3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F14T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	56.5	56.5	56.5		56.5	56.5	56.5	56.5	56.5	
VMT Mix:	0.913	0.017	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.49	0.51	0.50	1.37	0.23	0.33	0.96	5.69	0.435
Exhaust HC:	0.24	0.35	0.39	0.36	0.46	0.23	0.33	0.96	1.53	0.267
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.03	0.02	0.11					0.020
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	2.64	3.69	4.11	3.86	11.54	0.71	0.81	5.64	14.49	2.779
Exhaust NOX:	1.14	1.44	1.68	1.53	5.24	1.38	1.57	9.80	1.30	1.202

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	0.35	0.47	0.50	1.18				5.51		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.48	0.50		1.20	0.23	0.33	0.96	5.61	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F14T 3]

Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	57.7	57.7	57.7		57.7	57.7	57.7	57.7	57.7	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.49	0.52	0.50	1.27	0.23	0.33	0.95	5.41	0.434
Exhaust HC:	0.25	0.36	0.40	0.38	0.45	0.23	0.33	0.95	1.65	0.282
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.09					0.017
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	2.90	4.04	4.51	4.23	11.58	0.72	0.82	5.75	16.58	3.100
Exhaust NOX:	1.16	1.48	1.73	1.58	5.26	1.43	1.63	10.20	1.37	1.279

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.35	0.47	0.51	1.07				5.19		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.48	0.51		1.15	0.23	0.33	0.95	5.56	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F14T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	59.2	59.2	59.2		59.2	59.2	59.2	59.2	59.2	
VMT Mix:	0.892	0.026	0.018		0.004	0.039	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.47	0.51	0.49	1.06	0.23	0.32	0.95	4.69	0.419
Exhaust HC:	0.27	0.37	0.42	0.39	0.45	0.23	0.32	0.95	1.81	0.296
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.012
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	3.23	4.47	5.00	4.69	11.69	0.74	0.84	5.91	17.12	3.426
Exhaust NOX:	1.19	1.52	1.78	1.63	5.26	1.51	1.72	10.75	1.54	1.300

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.35	0.45	0.50	0.84				4.15		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.36	0.46	0.51		0.95	0.23	0.32	0.95	4.72	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 462F16T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	30.4	30.4	30.4		30.4	30.4	30.4	30.4	30.4	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.53	0.67	0.71	0.68	1.92	0.35	0.51	1.48	7.00	0.622
Exhaust HC:	0.35	0.47	0.53	0.49	0.86	0.35	0.51	1.48	1.83	0.386
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.07	0.07	0.07	0.24					0.069
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	4.39	5.61	6.15	5.83	11.84	0.90	1.02	7.11	15.60	4.502
Exhaust NOX:	0.88	1.07	1.25	1.15	4.31	0.96	1.10	6.86	0.92	0.951

Evaporative Emissions by Component   Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F16T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	30.6	30.6	30.6		30.6	30.6	30.6	30.6	30.6	
VMT Mix:	0.880	0.032	0.023		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.48	0.61	0.65	0.62	1.61	0.35	0.51	1.47	4.72	0.549
Exhaust HC:	0.35	0.47	0.52	0.49	0.85	0.35	0.51	1.47	1.82	0.386
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.05	0.05	0.15					0.049
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	4.35	5.57	6.10	5.79	11.58	0.89	1.01	7.07	14.37	4.463
Exhaust NOX:	0.87	1.07	1.25	1.14	4.29	0.96	1.09	6.85	0.95	0.955

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19	
HC,NoDiurnal	0.47	0.59	0.64	1.42				4.53	
DailyDiurnal	0.02	0.03	0.03	0.31				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.48	0.60	0.65		1.51	0.35	0.51	1.47	5.01
Evaporat HC:	0.05	0.05	0.05		0.46				2.58
WtDiurnal	0.19	0.25	0.32		3.56				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F16T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	29.7	29.7	29.7		29.7	29.7	29.7	29.7	29.7	
VMT Mix:	0.909	0.018	0.013		0.002	0.039	0.002	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.54	0.67	0.72	0.69	2.00	0.36	0.52	1.51	6.02	0.615
Exhaust HC:	0.36	0.48	0.54	0.50	0.91	0.36	0.52	1.51	1.86	0.389
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.08	0.08	0.08	0.29					0.078
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	4.53	5.76	6.32	5.99	12.57	0.92	1.04	7.28	17.54	4.621
Exhaust NOX:	0.88	1.08	1.26	1.16	4.30	0.97	1.10	6.88	0.88	0.924

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	0.53	0.65	0.71	1.81				5.84		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.53	0.66	0.71		1.83	0.36	0.52	1.51	5.94	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 462F16T 3]   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	30.4	30.4	30.4		30.4	30.4	30.4	30.4	30.4	
VMT Mix:	0.876	0.034	0.024		0.005	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.51	0.64	0.69	0.66	1.83	0.35	0.51	1.48	5.58	0.592
Exhaust HC:	0.35	0.47	0.53	0.49	0.86	0.35	0.51	1.48	1.83	0.389
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.07	0.07	0.07	0.24					0.068
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	4.39	5.61	6.15	5.83	11.93	0.90	1.02	7.11	16.11	4.533
Exhaust NOX:	0.88	1.08	1.26	1.15	4.31	0.96	1.10	6.86	0.91	0.965

Evaporative Emissions by Component   Weathered RVP: 7.0   Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.50	0.62	0.68	1.63				5.36		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.50	0.63	0.68		1.71	0.35	0.51	1.48	5.73	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F16T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	31.2	31.2	31.2		31.2	31.2	31.2	31.2	31.2	
VMT Mix:	0.898	0.023	0.016		0.003	0.039	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.47	0.59	0.63	0.61	1.53	0.35	0.50	1.45	4.67	0.532
Exhaust HC:	0.34	0.46	0.52	0.48	0.82	0.35	0.50	1.45	1.80	0.376
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.04	0.04	0.04	0.14					0.045
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	4.25	5.44	5.97	5.66	11.23	0.87	0.99	6.93	13.24	4.317
Exhaust NOX:	0.87	1.06	1.24	1.14	4.30	0.96	1.09	6.83	0.99	0.933

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.46	0.57	0.62	1.31				4.13		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.47	0.58	0.63		1.42	0.35	0.50	1.45	4.70	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F17T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.7	25.7	25.7		25.7	25.7	25.7	25.7	25.7	
VMT Mix:	0.897	0.024	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.61	0.75	0.80	0.77	2.20	0.41	0.59	1.71	7.24	0.696
Exhaust HC:	0.41	0.54	0.60	0.56	1.09	0.41	0.59	1.71	2.07	0.447
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.08	0.08	0.29					0.083
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	5.43	6.78	7.42	7.04	14.05	1.07	1.21	8.46	18.85	5.525
Exhaust NOX:	0.86	1.07	1.25	1.14	4.15	1.00	1.14	7.13	0.85	0.929

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.

Reformulated Gas: Yes ASTM Class: C

[A 462F17T 1]

Minimum Temp: 80. (F) Maximum Temp: 87. (F)

Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.8	25.8	25.8		25.8	25.8	25.8	25.8	25.8	
VMT Mix:	0.889	0.028	0.020		0.004	0.038	0.002	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.55	0.68	0.74	0.71	1.87	0.41	0.58	1.70	4.96	0.622
Exhaust HC:	0.41	0.54	0.60	0.56	1.08	0.41	0.58	1.70	2.07	0.448
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.06	0.05	0.18					0.060
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	5.41	6.75	7.38	7.01	13.77	1.06	1.20	8.43	17.42	5.509
Exhaust NOX:	0.86	1.07	1.24	1.14	4.13	1.00	1.14	7.12	0.88	0.937

Evaporative Emissions by Component Weathered RVP: 7.2

(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.54	0.66	0.73	1.68				4.77		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.55	0.67	0.74		1.77	0.41	0.58	1.70	5.25	
Evaporat HC:	0.05	0.05	0.05		0.46				2.58	
WtDiurnal	0.19	0.25	0.32		3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F17T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.1	25.1	25.1		25.1	25.1	25.1	25.1	25.1	
VMT Mix:	0.914	0.016	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.62	0.76	0.82	0.78	2.29	0.42	0.60	1.74	6.26	0.694
Exhaust HC:	0.42	0.55	0.62	0.58	1.15	0.42	0.60	1.74	2.10	0.453
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.10	0.10	0.10	0.34					0.094
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	5.59	6.96	7.61	7.23	14.95	1.09	1.24	8.68	21.15	5.692
Exhaust NOX:	0.87	1.08	1.26	1.15	4.14	1.01	1.15	7.18	0.81	0.912

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18	
HC,NoDiurnal	0.61	0.74	0.81	2.10				6.08	
DailyDiurnal	0.02	0.03	0.03	0.31				1.53	
Temperature Rise Share =	6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.61	0.75	0.81		2.12	0.42	0.60	1.74	6.18
Evaporat HC:	0.05	0.06	0.05		0.58				3.29
WtDiurnal	0.04	0.05	0.07		0.79				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F17T 3]

Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	25.6	25.6	25.6		25.6	25.6	25.6	25.6	25.6	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.59	0.73	0.78	0.75	2.12	0.41	0.59	1.71	5.83	0.669
Exhaust HC:	0.41	0.54	0.61	0.57	1.10	0.41	0.59	1.71	2.07	0.452
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.08	0.08	0.08	0.29					0.082
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	5.46	6.81	7.45	7.07	14.20	1.07	1.21	8.50	19.55	5.587
Exhaust NOX:	0.87	1.07	1.25	1.15	4.14	1.00	1.14	7.13	0.84	0.943

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.34	0.40	0.39	0.40	3.01	14.19
WtDiurnal	0.33	0.45	0.45	0.45	7.19	1.83
Multiple	1.88	2.10	2,03	2.08	11.19	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.05	0.05	0.06	0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20	0.22
HC,NoDiurnal	0.58	0.71	0.77	1.92	5.61
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share = 24.31%					
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.58	0.72	0.77	2.00	0.41	0.59	1.71	5.98
Evaporat HC:	0.05	0.06	0.05	0.56				3.18
WtDiurnal	0.15	0.19	0.25	2.77				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F17T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.3	26.3	26.3		26.3	26.3	26.3	26.3	26.3	
VMT Mix:	0.904	0.020	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.54	0.66	0.72	0.69	1.78	0.40	0.57	1.68	4.92	0.603
Exhaust HC:	0.40	0.53	0.59	0.55	1.05	0.40	0.57	1.68	2.05	0.437
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.05	0.05	0.16					0.055
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	5.28	6.61	7.23	6.86	13.32	1.04	1.18	8.26	16.08	5.339
Exhaust NOX:	0.86	1.06	1.24	1.13	4.13	0.99	1.13	7.08	0.92	0.915

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.53	0.64	0.71	1.56				4.38		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.54	0.65	0.72		1.67	0.40	0.57	1.68	4.95	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F19T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.5	23.5	23.5		23.5	23.5	23.5	23.5	23.5	
VMT Mix:	0.897	0.024	0.017		0.003	0.039	0.002	0.006	0.012	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.65	0.80	0.85	0.82	2.37	0.44	0.63	1.84	7.37	0.742
Exhaust HC:	0.45	0.58	0.65	0.61	1.24	0.44	0.63	1.84	2.20	0.485
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.09	0.09	0.09	0.32					0.091
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	6.06	7.49	8.18	7.78	15.47	1.17	1.33	9.31	20.71	6.156
Exhaust NOX:	0.86	1.07	1.25	1.14	4.07	1.03	1.17	7.33	0.82	0.923

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F19T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.5	23.5	23.5		23.5	23.5	23.5	23.5	23.5	
VMT Mix:	0.890	0.028	0.019		0.004	0.038	0.002	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.60	0.73	0.79	0.76	2.03	0.44	0.63	1.84	5.10	0.667
Exhaust HC:	0.45	0.58	0.65	0.61	1.23	0.44	0.63	1.84	2.21	0.488
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.06	0.06	0.20					0.065
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	6.06	7.49	8.18	7.77	15.22	1.17	1.33	9.31	19.22	6.165
Exhaust NOX:	0.85	1.06	1.24	1.13	4.05	1.03	1.17	7.33	0.85	0.931

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

Hot Soak	0.29	0.33	0.32	0.33	2.33	10.56
WtDiurnal	0.33	0.45	0.46	0.45	7.10	1.59
Multiple	1.87	2.05	1.98	2.03	10.98	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.04	0.04	0.04	0.05	0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.19
HC,NoDiurnal	0.59	0.71	0.78	1.84	4.91
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share =		31.25%			
DiurnalShare	0.01	0.01	0.01	0.10	0.48

Adjusted HC Emission Factors:

VOC HC:	0.60	0.72	0.79	1.93	0.44	0.63	1.84	5.39
Evaporat HC:	0.05	0.05	0.05	0.46				2.58
WtDiurnal	0.19	0.25	0.32	3.56				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F19T 2]
Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.5	23.5	23.5		23.5	23.5	23.5	23.5	23.5	
VMT Mix:	0.914	0.016	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.65	0.80	0.86	0.82	2.43	0.44	0.63	1.84	6.36	0.729
Exhaust HC:	0.45	0.58	0.65	0.61	1.26	0.44	0.63	1.84	2.20	0.481
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.11	0.10	0.11	0.10	0.37					0.100
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	6.06	7.49	8.18	7.77	16.05	1.17	1.33	9.31	22.66	6.163
Exhaust NOX:	0.86	1.07	1.25	1.15	4.09	1.03	1.17	7.33	0.79	0.907

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.44	0.43	0.43	3.40	16.13
WtDiurnal	0.32	0.44	0.45	0.44	7.07	1.52
Multiple	1.86	2.12	2.04	2.09	10.94	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.06	0.05	0.05	0.06	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.18
HC,NoDiurnal	0.64	0.78	0.85	2.24	6.18
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.64	0.79	0.85		2.26	0.44	0.63	1.84	6.28
Evaporat HC:	0.05	0.06	0.05		0.58				3.29
WtDiurnal	0.04	0.05	0.07		0.79				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F19T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.5	23.5	23.5		23.5	23.5	23.5	23.5	23.5	
VMT Mix:	0.886	0.029	0.021		0.004	.0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.63	0.77	0.83	0.80	2.28	0.44	0.63	1.84	5.95	0.713
Exhaust HC:	0.45	0.58	0.65	0.61	1.24	0.44	0.63	1.84	2.20	0.489
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.09	0.09	0.09	0.31					0.089
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	6.06	7.49	8.18	7.78	15.58	1.17	1.33	9.31	21.39	6.193
Exhaust NOX:	0.86	1.07	1.25	1.15	4.07	1.03	1.17	7.33	0.81	0.937

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.62	0.75	0.82	2.08				5.73		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.62	0.76	0.82		2.16	0.44	0.63	1.84	6.10	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 462F19T 4]
Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	23.6	23.6	23.6		23.6	23.6	23.6	23.6	23.6	
VMT Mix:	0.906	0.019	0.013		0.003	0.039	0.002	0.005	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.59	0.72	0.78	0.74	1.97	0.44	0.63	1.83	5.08	0.654
Exhaust HC:	0.44	0.58	0.65	0.61	1.22	0.44	0.63	1.83	2.21	0.482
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.06	0.06	0.18					0.061
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	6.03	7.45	8.14	7.73	14.96	1.17	1.32	9.27	18.04	6.086
Exhaust NOX:	0.85	1.06	1.23	1.13	4.04	1.03	1.17	7.32	0.87	0.907

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.01	8.64
WtDiurnal	0.35	0.48	0.48	0.48	8.21	4.50
Multiple	1.90	2.08	2.01	2.06	13.38	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.04	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.54
HC,NoDiurnal	0.58	0.70	0.77	1.75	4.54
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.12	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.59	0.71	0.78		1.86	0.44	0.63	1.83	5.11
Evaporat HC:	0.05	0.05	0.05		0.42				2.37
WtDiurnal	0.23	0.30	0.38		4.27				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F11T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	50.5	50.5	50.5		50.5	50.5	50.5	50.5	50.5	
VMT Mix:	0.830	0.056	0.039		0.008	0.036	0.005	0.014	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.49	0.51	0.50	1.41	0.24	0.34	1.00	6.56	0.462
Exhaust HC:	0.23	0.33	0.37	0.35	0.47	0.24	0.34	1.00	1.39	0.270
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.131
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.03	0.03	0.03	0.12					0.022
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	2.31	3.26	3.61	3.40	9.88	0.67	0.76	5.33	9.73	2.536
Exhaust NOX:	0.97	1.18	1.38	1.27	5.01	1.16	1.32	8.29	1.14	1.144

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F11T 1]
Period 1 RVP: 8.7 Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.5	55.5	55.5		55.5	55.5	55.5	55.5	55.5	
VMT Mix:	0.850	0.046	0.032		0.007	0.037	0.004	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.33	0.45	0.48	0.46	1.12	0.23	0.33	0.96	4.34	0.399
Exhaust HC:	0.24	0.34	0.38	0.35	0.45	0.23	0.33	0.96	1.44	0.270
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.080
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.06					0.014
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	2.42	3.40	3.78	3.56	10.67	0.70	0.79	5.56	10.12	2.623
Exhaust NOX:	1.10	1.38	1.61	1.47	5.15	1.33	1.52	9.50	1.36	1.270

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.32	0.43	0.47	0.93				4.15		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =	31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.33	0.44	0.48		1.02	0.23	0.33	0.96	4.63	
Evaporat HC:	0.05	0.05	0.05		0.46				2.58	
WtDiurnal	0.19	0.25	0.32		3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F11T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	38.8	38.8	38.8		38.8	38.8	38.8	38.8	38.8	
VMT Mix:	0.863	0.040	0.028		0.005	0.038	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.56	0.59	0.57	1.64	0.29	0.41	1.21	5.68	0.512
Exhaust HC:	0.28	0.39	0.44	0.41	0.63	0.29	0.41	1.21	1.52	0.316
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.100
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.05	0.06	0.06	0.21					0.051
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.046
Exhaust CO:	3.16	4.22	4.65	4.40	10.23	0.73	0.82	5.77	12.84	3.321
Exhaust NOX:	0.90	1.09	1.27	1.16	4.62	0.97	1.11	6.92	0.97	1.000

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	0.42	0.54	0.58	1.45				5.50		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.42	0.55	0.58		1.47	0.29	0.41	1.21	5.60	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 463F11T 3]   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	50.4	50.4	50.4		50.4	50.4	50.4	50.4	50.4	
VMT Mix:	0.843	0.050	0.035		0.007	0.036	0.005	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.35	0.46	0.49	0.48	1.33	0.24	0.34	1.00	5.14	0.425
Exhaust HC:	0.23	0.33	0.37	0.35	0.48	0.24	0.34	1.00	1.39	0.267
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.03	0.03	0.03	0.12					0.022
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	2.31	3.26	3.61	3.41	9.94	0.67	0.76	5.33	10.05	2.515
Exhaust NOX:	0.97	1.18	1.38	1.26	5.01	1.16	1.32	8.27	1.13	1.122

Evaporative Emissions by Component   Weathered RVP: 7.0   Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.34	0.44	0.48	1.13				4.92		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.34	0.45	0.48		1.21	0.24	0.34	1.00	5.29	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F11T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	64.0	64.0	64.0		64.0	64.0	64.0	64.0	64.0	
VMT Mix:	0.766	0.088	0.062		0.012	0.032	0.008	0.022	0.010	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.52	0.56	0.54	1.07	0.22	0.32	0.94	5.16	0.478
Exhaust HC:	0.31	0.42	0.47	0.44	0.46	0.22	0.32	0.94	2.29	0.361
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.076
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.04					0.011
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.030
Exhaust CO:	4.29	5.85	6.59	6.16	14.00	0.84	0.95	6.63	26.95	4.831
Exhaust NOX:	1.31	1.71	2.00	1.83	5.43	1.82	2.08	12.99	1.71	1.725

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.39	0.50	0.55	0.85				4.62		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.40	0.51	0.56		0.96	0.22	0.32	0.94	5.19	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 463F12T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.6	55.6	55.6		55.6	55.6	55.6	55.6	55.6	
VMT Mix:	0.886	0.029	0.020		0.004	0.038	0.003	0.007	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.36	0.49	0.52	0.50	1.37	0.23	0.33	0.96	6.62	0.454
Exhaust HC:	0.24	0.34	0.38	0.35	0.45	0.23	0.33	0.96	1.45	0.264
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.133
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.10					0.018
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.039
Exhaust CO:	2.44	3.43	3.81	3.59	10.87	0.70	0.80	5.57	11.14	2.592
Exhaust NOX:	1.11	1.39	1.62	1.49	5.18	1.34	1.52	9.53	1.32	1.212

Evaporative Emissions by Component   Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F12T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	58.6	58.6	58.6		58.6	58.6	58.6	58.6	58.6	
VMT Mix:	0.897	0.023	0.017		0.003	0.039	0.002	0.006	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.48	0.51	0.49	1.11	0.23	0.33	0.95	4.64	0.418
Exhaust HC:	0.26	0.37	0.41	0.39	0.45	0.23	0.33	0.95	1.75	0.290
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.081
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.02	0.02	0.06					0.012
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.036
Exhaust CO:	3.10	4.30	4.81	4.51	11.62	0.74	0.83	5.84	16.86	3.282
Exhaust NOX:	1.18	1.50	1.76	1.61	5.26	1.48	1.68	10.52	1.47	1.281

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.35	0.46	0.50	0.92				4.45		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =	31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48		
Adjusted HC Emission Factors:										
VOC HC:	0.36	0.47	0.51		1.01	0.23	0.33	0.95	4.93	
Evaporat HC:	0.05	0.05	0.05		0.46				2.58	
WtDiurnal	0.19	0.25	0.32		3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F12T 2]

Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	47.3	47.3	47.3		47.3	47.3	47.3	47.3	47.3	
VMT Mix:	0.903	0.021	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.36	0.48	0.51	0.50	1.47	0.25	0.36	1.04	5.55	0.436
Exhaust HC:	0.23	0.33	0.38	0.35	0.51	0.25	0.36	1.04	1.39	0.259
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.102
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.04	0.03	0.16					0.028
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	2.36	3.32	3.68	3.46	9.95	0.67	0.76	5.31	10.75	2.476
Exhaust NOX:	0.91	1.09	1.27	1.16	4.92	1.09	1.24	7.74	1.01	0.974

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18	
HC,NoDiurnal	0.35	0.46	0.50	1.28				5.37	
DailyDiurnal	0.02	0.03	0.03	0.31				1.53	
Temperature Rise Share =	6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.35	0.47	0.50		1.30	0.25	0.36	1.04	5.47
Evaporat HC:	0.05	0.06	0.05		0.58				3.29
WtDiurnal	0.04	0.05	0.07		0.79				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F12T 3]

Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	55.6	55.6	55.6		55.6	55.6	55.6	55.6	55.6	
VMT Mix:	0.894	0.025	0.018		0.003	0.039	0.002	0.006	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.35	0.47	0.50	0.48	1.28	0.23	0.33	0.96	5.20	0.418
Exhaust HC:	0.24	0.34	0.38	0.35	0.45	0.23	0.33	0.96	1.45	0.262
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.095
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.10					0.018
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	2.44	3.43	3.81	3.59	10.95	0.70	0.80	5.57	11.50	2.579
Exhaust NOX:	1.11	1.39	1.63	1.49	5.19	1.34	1.52	9.53	1.30	1.200

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83
Multiple	1.88	2.10	2.03	2.08	11.19				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.05	0.05	0.05	0.06				0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22
HC,NoDiurnal	0.34	0.45	0.49	1.08				4.98
DailyDiurnal	0.02	0.03	0.03	0.31				1.53
Temperature Rise Share = 24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.34	0.46	0.49		1.16	0.23	0.33	0.96	5.35
Evaporat HC:	0.05	0.06	0.05		0.56				3.18
WtDiurnal	0.15	0.19	0.25		2.77				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F12T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.3	63.3	63.3		63.3	63.3	63.3	63.3	63.3	
VMT Mix:	0.853	0.045	0.032		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.39	0.51	0.55	0.53	1.07	0.22	0.32	0.94	5.10	0.461
Exhaust HC:	0.30	0.41	0.47	0.43	0.45	0.22	0.32	0.94	2.22	0.341
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.011
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.031
Exhaust CO:	4.14	5.65	6.36	5.94	13.60	0.82	0.93	6.50	25.52	4.482
Exhaust NOX:	1.30	1.69	1.97	1.80	5.40	1.77	2.02	12.61	1.69	1.510

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.38	0.49	0.54	0.85				4.56		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.39	0.50	0.55		0.96	0.22	0.32	0.94	5.13	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F14T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.7	26.7	26.7		26.7	26.7	26.7	26.7	26.7	
VMT Mix:	0.901	0.022	0.015		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.59	0.73	0.78	0.75	2.13	0.39	0.57	1.66	7.18	0.683
Exhaust HC:	0.40	0.52	0.59	0.55	1.04	0.39	0.57	1.66	2.01	0.431
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.132
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.08	0.08	0.08	0.28					0.080
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.039
Exhaust CO:	5.18	6.50	7.11	6.74	13.49	1.02	1.16	8.13	18.08	5.276
Exhaust NOX:	0.87	1.07	1.25	1.14	4.18	0.99	1.13	7.05	0.87	0.924

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F14T 1]
Period 1 RVP: 8.7 Minimum Temp: 80. (F) Period 2 RVP: 8.7 Maximum Temp: 87. (F) Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	27.0	27.0	27.0		27.0	27.0	27.0	27.0	27.0	
VMT Mix:	0.899	0.023	0.016		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.53	0.66	0.71	0.68	1.79	0.39	0.56	1.64	4.90	0.597
Exhaust HC:	0.39	0.52	0.58	0.54	1.02	0.39	0.56	1.64	2.00	0.427
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.06	0.05	0.05	0.05	0.18					0.057
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	5.11	6.41	7.02	6.66	13.12	1.01	1.15	8.03	16.58	5.181
Exhaust NOX:	0.86	1.07	1.24	1.14	4.17	0.99	1.12	7.03	0.90	0.928

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)
Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19		
HC,NoDiurnal	0.52	0.64	0.70	1.60				4.71		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.10				0.48		
Adjusted HC Emission Factors:										
VOC HC:	0.53	0.65	0.71		1.69	0.39	0.56	1.64	5.19	
Evaporat HC:	0.05	0.05	0.05		0.46				2.58	
WtDiurnal	0.19	0.25	0.32		3.56				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F14T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	24.2	24.2	24.2		24.2	24.2	24.2	24.2	24.2	
VMT Mix:	0.917	0.014	0.010		0.002	0.040	0.001	0.003	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.63	0.78	0.84	0.80	2.37	0.43	0.62	1.80	6.31	0.711
Exhaust HC:	0.43	0.57	0.63	0.59	1.21	0.43	0.62	1.80	2.15	0.466
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.10	0.10	0.10	0.36					0.097
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	5.85	7.25	7.92	7.53	15.55	1.14	1.29	9.02	21.98	5.936
Exhaust NOX:	0.86	1.08	1.25	1.15	4.11	1.02	1.16	7.26	0.80	0.902

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	0.62	0.76	0.83	2.18				6.13		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.62	0.77	0.83		2.20	0.43	0.62	1.80	6.23	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F14T 3]
Period 1 RVP: 8.7 Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	26.6	26.6	26.6		26.6	26.6	26.6	26.6	26.6	
VMT Mix:	0.895	0.026	0.018		0.003	0.038	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.57	0.71	0.76	0.73	2.05	0.40	0.57	1.66	5.77	0.647
Exhaust HC:	0.40	0.52	0.59	0.55	1.04	0.40	0.57	1.66	2.02	0.433
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.092
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.08	0.08	0.08	0.28					0.079
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	5.20	6.52	7.14	6.77	13.64	1.03	1.17	8.16	18.75	5.313
Exhaust NOX:	0.87	1.07	1.25	1.15	4.18	0.99	1.13	7.06	0.86	0.934

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.56	0.69	0.75	1.85				5.55		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.56	0.70	0.75		1.93	0.40	0.57	1.66	5.92	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F14T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	29.9	29.9	29.9		29.9	29.9	29.9	29.9	29.9	
VMT Mix:	0.901	0.022	0.015		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.48	0.61	0.65	0.63	1.59	0.36	0.52	1.50	4.73	0.548
Exhaust HC:	0.36	0.48	0.53	0.50	0.87	0.36	0.52	1.50	1.86	0.389
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.05	0.04	0.05	0.04	0.14					0.048
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	4.49	5.71	6.27	5.94	11.69	0.91	1.03	7.23	13.91	4.552
Exhaust NOX:	0.87	1.06	1.24	1.14	4.25	0.97	1.10	6.87	0.97	0.924

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.47	0.59	0.64	1.37				4.19		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =	37.50%									
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.48	0.60	0.65		1.48	0.36	0.52	1.50	4.76	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F16T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.0	19.0	19.0		19.0	19.0	19.0	19.0	19.0	
VMT Mix:	0.897	0.024	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.77	0.93	1.00	0.96	2.84	0.52	0.74	2.17	7.72	0.867
Exhaust HC:	0.54	0.69	0.77	0.73	1.63	0.52	0.74	2.17	2.55	0.586
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.12	0.11	0.11	0.11	0.39					0.115
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	7.67	9.29	10.12	9.63	19.48	1.46	1.66	11.62	25.61	7.773
Exhaust NOX:	0.84	1.07	1.25	1.14	3.91	1.12	1.27	7.95	0.75	0.912

Evaporative Emissions by Component Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F16T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.7	19.7	19.7		19.7	19.7	19.7	19.7	19.7	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.69	0.83	0.91	0.86	2.39	0.50	0.72	2.11	5.39	0.764
Exhaust HC:	0.53	0.67	0.75	0.71	1.55	0.50	0.72	2.11	2.49	0.575
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.07	0.07	0.07	0.24					0.075
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	7.48	9.09	9.91	9.43	18.44	1.41	1.60	11.20	22.94	7.583
Exhaust NOX:	0.83	1.06	1.23	1.13	3.91	1.10	1.25	7.83	0.78	0.920

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.19	
HC,NoDiurnal	0.68	0.81	0.90	2.20				5.20	
DailyDiurnal	0.02	0.03	0.03	0.31				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.10				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.69	0.82	0.91		2.29	0.50	0.72	2.11	5.68
Evaporat HC:	0.05	0.05	0.05		0.46				2.58
WtDiurnal	0.19	0.25	0.32		3.56				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F16T 2]

Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	16.7	16.7	16.7		16.7	16.7	16.7	16.7	16.7	
VMT Mix:	0.914	0.016	0.011		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.85	1.02	1.10	1.05	3.28	0.57	0.81	2.37	6.95	0.935
Exhaust HC:	0.58	0.74	0.83	0.78	1.95	0.57	0.81	2.37	2.79	0.624
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.17	0.16	0.16	0.16	0.54					0.163
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	8.20	9.89	10.79	10.25	23.14	1.66	1.89	13.20	31.82	8.354
Exhaust NOX:	0.85	1.09	1.27	1.16	3.85	1.18	1.34	8.37	0.69	0.907

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

Hot Soak	0.37	0.44	0.43	0.43	3.40	16.13
WtDiurnal	0.32	0.44	0.45	0.44	7.07	1.52
Multiple	1.86	2.12	2.04	2.09	10.94	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.06	0.05	0.05	0.06	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.18
HC,NoDiurnal	0.84	1.00	1.09	3.09	6.77
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share =		6.94%			
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

VOC HC:	0.84	1.01	1.09	3.11	0.57	0.81	2.37	6.87
Evaporat HC:	0.05	0.06	0.05	0.58				3.29
WtDiurnal	0.04	0.05	0.07	0.79				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F16T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	19.2	19.2	19.2		19.2	19.2	19.2	19.2	19.2	
VMT Mix:	0.887	0.029	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.75	0.90	0.97	0.93	2.73	0.51	0.74	2.15	6.28	0.831
Exhaust HC:	0.54	0.69	0.77	0.72	1.62	0.51	0.74	2.15	2.53	0.587
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.12	0.10	0.11	0.11	0.38					0.110
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	7.63	9.24	10.07	9.58	19.40	1.45	1.64	11.50	26.18	7.771
Exhaust NOX:	0.84	1.07	1.25	1.14	3.92	1.11	1.26	7.91	0.74	0.926

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.74	0.88	0.96	2.53				6.06		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		
Adjusted HC Emission Factors:										
VOC HC:	0.74	0.89	0.96		2.61	0.51	0.74	2.15	6.43	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 463F16T 4]
Period 1 RVP: 8.7   Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	21.3	21.3	21.3		21.3	21.3	21.3	21.3	21.3	
VMT Mix:	0.906	0.019	0.013		0.003	0.039	0.002	0.005	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.64	0.78	0.84	0.80	2.17	0.47	0.68	1.99	5.24	0.707
Exhaust HC:	0.49	0.63	0.71	0.66	1.40	0.47	0.68	1.99	2.37	0.530
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.06	0.06	0.06	0.20					0.066
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	6.82	8.34	9.11	8.65	16.73	1.30	1.48	10.33	20.01	6.874
Exhaust NOX:	0.84	1.05	1.23	1.13	3.96	1.07	1.21	7.60	0.83	0.900

Evaporative Emissions by Component   Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.27	0.29	0.29	0.29	2.01	8.64
WtDiurnal	0.35	0.48	0.48	0.48	8.21	4.50
Multiple	1.90	2.08	2.01	2.06	13.38	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.03	0.04	0.04	0.04	0.04	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.54
HC,NoDiurnal	0.63	0.76	0.83	1.95	4.70
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.12	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.64	0.77	0.84		2.06	0.47	0.68	1.99	5.27
Evaporat HC:	0.05	0.05	0.05		0.42				2.37
WtDiurnal	0.23	0.30	0.38		4.27				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F17T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	12.6	12.6	12.6		12.6	12.6	12.6	12.6	12.6	
VMT Mix:	0.895	0.026	0.018		0.003	0.038	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.02	1.22	1.31	1.26	4.02	0.67	0.97	2.82	8.66	1.131
Exhaust HC:	0.69	0.89	1.00	0.93	2.57	0.67	0.97	2.82	3.49	0.748
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.128
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.23	0.20	0.20	0.20	0.64					0.217
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	9.63	11.49	12.57	11.94	29.20	2.14	2.43	16.98	38.83	9.881
Exhaust NOX:	0.87	1.11	1.29	1.19	3.69	1.31	1.49	9.36	0.68	0.959

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F17T 1]
Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	13.3	13.3	13.3		13.3	13.3	13.3	13.3	13.3	
VMT Mix:	0.884	0.030	0.021		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.89	1.10	1.20	1.14	3.40	0.65	0.94	2.73	6.24	0.985
Exhaust HC:	0.66	0.86	0.96	0.90	2.42	0.65	0.94	2.73	3.34	0.731
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.15	0.15	0.16	0.15	0.38					0.140
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.035
Exhaust CO:	9.32	11.15	12.19	11.58	27.37	2.05	2.32	16.23	34.04	9.562
Exhaust NOX:	0.86	1.10	1.28	1.17	3.69	1.29	1.46	9.17	0.71	0.971

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.29	0.33	0.32	0.33	2.33	10.56
WtDiurnal	0.33	0.45	0.46	0.45	7.10	1.59
Multiple	1.87	2.05	1.98	2.03	10.98	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.04	0.04	0.04	0.05	0.17

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.19
HC,NoDiurnal	0.88	1.08	1.19	3.21	6.05
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share = 31.25%					
DiurnalShare	0.01	0.01	0.01	0.10	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.89	1.09	1.20		3.30	0.65	0.94	2.73	6.53
Evaporat HC:	0.05	0.05	0.05		0.46				2.58
WtDiurnal	0.19	0.25	0.32		3.56				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F17T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.3	10.3	10.3		10.3	10.3	10.3	10.3	10.3	
VMT Mix:	0.912	0.017	0.012		0.002	0.039	0.001	0.004	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.18	1.40	1.52	1.45	4.82	0.74	1.07	3.12	8.30	1.275
Exhaust HC:	0.78	1.02	1.14	1.07	3.14	0.74	1.07	3.12	4.14	0.845
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.101
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.30	0.27	0.27	0.27	0.88					0.282
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.047
Exhaust CO:	10.92	12.96	14.20	13.47	35.83	2.50	2.83	19.82	52.82	11.289
Exhaust NOX:	0.90	1.15	1.34	1.22	3.63	1.41	1.61	10.07	0.66	0.966

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.37	0.44	0.43	0.43	3.40				16.13	
WtDiurnal	0.32	0.44	0.45	0.44	7.07				1.52	
Multiple	1.86	2.12	2.04	2.09	10.94					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.19				0.18		
HC,NoDiurnal	1.17	1.38	1.51	4.63				8.12		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.17	1.39	1.51		4.65	0.74	1.07	3.12	8.22	
Evaporat HC:	0.05	0.06	0.05		0.58				3.29	
WtDiurnal	0.04	0.05	0.07		0.79				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F17T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	12.7	12.7	12.7		12.7	12.7	12.7	12.7	12.7	
VMT Mix:	0.881	0.032	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.00	1.18	1.28	1.23	3.90	0.67	0.96	2.80	7.21	1.097
Exhaust HC:	0.68	0.88	0.99	0.93	2.56	0.67	0.96	2.80	3.46	0.753
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.093
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.22	0.19	0.20	0.20	0.00					0.210
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.042
Exhaust CO:	9.58	11.44	12.52	11.88	29.20	2.13	2.41	16.87	39.77	9.898
Exhaust NOX:	0.87	1.11	1.30	1.19	3.70	1.31	1.49	9.33	0.68	0.983

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22		
HC,NoDiurnal	0.99	1.16	1.27	3.70				6.99		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share =	24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.99	1.17	1.27		3.78	0.67	0.96	2.80	7.36	
Evaporat HC:	0.05	0.06	0.05		0.56				3.18	
WtDiurnal	0.15	0.19	0.25		2.77				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F17T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	15.3	15.3	15.3		15.3	15.3	15.3	15.3	15.3	
VMT Mix:	0.902	0.021	0.015		0.003	0.039	0.002	0.005	0.013	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.80	0.99	1.08	1.03	2.95	0.60	0.86	2.51	5.87	0.884
Exhaust HC:	0.61	0.78	0.88	0.82	2.08	0.60	0.86	2.51	3.00	0.663
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.079
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.12	0.12	0.12	0.12	0.30					0.110
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.032
Exhaust CO:	8.60	10.34	11.29	10.73	23.66	1.81	2.05	14.34	27.77	8.724
Exhaust NOX:	0.84	1.08	1.26	1.15	3.75	1.22	1.39	8.67	0.75	0.918

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.79	0.97	1.07	2.73				5.33		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.80	0.98	1.08		2.84	0.60	0.86	2.51	5.90	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F19T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	
VMT Mix:	0.854	0.045	0.031		0.006	0.037	0.004	0.011	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.19	1.41	1.53	1.46	4.76	0.75	1.09	3.17	9.44	1.333
Exhaust HC:	0.80	1.04	1.17	1.09	3.15	0.75	1.09	3.17	4.26	0.900
Evaporat HC:	0.08	0.09	0.08	0.09	0.77				4.51	0.130
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.28	0.24	0.25	0.25	0.80					0.265
Rsting L HC:	0.03	0.04	0.03	0.04	0.04				0.66	0.038
Exhaust CO:	11.13	13.20	14.46	13.71	35.32	2.55	2.89	20.23	49.88	11.689
Exhaust NOX:	0.89	1.14	1.33	1.22	3.60	1.43	1.62	10.17	0.68	1.058

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.39	0.38	0.39	2.92				13.73	
WtDiurnal	0.66	0.86	0.86	0.86	11.36				12.66	
Multiple	3.58	4.59	4.43	4.54	20.18					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.05	0.05				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.66	0.86	0.86		11.36				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.03	0.03		0.31				1.53	1.914

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 463F19T 1]   Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.3	10.3	10.3		10.3	10.3	10.3	10.3	10.3	
VMT Mix:	0.840	0.052	0.036		0.007	0.036	0.005	0.013	0.011	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.05	1.31	1.43	1.36	4.14	0.74	1.07	3.12	7.06	1.179
Exhaust HC:	0.78	1.02	1.14	1.07	3.06	0.74	1.07	3.12	4.16	0.889
Evaporat HC:	0.05	0.06	0.05	0.06	0.56				2.29	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.19	0.20	0.20	0.20	0.48					0.177
Rsting L HC:	0.03	0.04	0.03	0.03	0.04				0.60	0.034
Exhaust CO:	10.92	12.96	14.20	13.46	33.98	2.50	2.83	19.82	44.81	11.450
Exhaust NOX:	0.89	1.13	1.32	1.21	3.59	1.41	1.61	10.07	0.71	1.074

Evaporative Emissions by Component   Weathered RVP: 7.2   Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.29	0.33	0.32	0.33	2.33				10.56	
WtDiurnal	0.33	0.45	0.46	0.45	7.10				1.59	
Multiple	1.87	2.05	1.98	2.03	10.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.04	0.04	0.04	0.05				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.19
HC,NoDiurnal	1.04	1.29	1.42	3.95	6.87
DailyDiurnal	0.02	0.03	0.03	0.31	1.53

Temperature Rise Share = 31.25%

DiurnalShare	0.01	0.01	0.01	0.10	0.48

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.05	1.30	1.43		4.04	0.74	1.07	3.12	7.35
Evaporat HC:	0.05	0.05	0.05		0.46				2.58
WtDiurnal	0.19	0.25	0.32		3.56				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F19T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	8.5	8.5	8.5		8.5	8.5	8.5	8.5	8.5	
VMT Mix:	0.886	0.030	0.021		0.004	0.037	0.002	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.33	1.59	1.73	1.65	5.49	0.81	1.16	3.40	9.09	1.455
Exhaust HC:	0.89	1.17	1.31	1.23	3.63	0.81	1.16	3.40	4.93	0.985
Evaporat HC:	0.06	0.07	0.06	0.07	0.75				3.37	0.099
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.34	0.31	0.32	0.31	1.06					0.325
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.79	0.046
Exhaust CO:	12.42	14.66	16.09	15.25	41.18	2.84	3.22	22.51	65.26	13.025
Exhaust NOX:	0.92	1.18	1.37	1.26	3.56	1.50	1.71	10.71	0.67	1.048

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.37	0.44	0.43	0.43	3.40	16.13
WtDiurnal	0.32	0.44	0.45	0.44	7.07	1.52
Multiple	1.86	2.12	2.04	2.09	10.94	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.05	0.06	0.05	0.05	0.06	0.23

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	HDGV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.19	0.18
HC,NoDiurnal	1.32	1.57	1.72	5.30	8.91
DailyDiurnal	0.02	0.03	0.03	0.31	1.53
Temperature Rise Share =	6.94%				
DiurnalShare	0.00	0.00	0.00	0.02	0.11

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.32	1.58	1.72	5.32	0.81	1.16	3.40	9.01
Evaporat HC:	0.05	0.06	0.05	0.58				3.29
WtDiurnal	0.04	0.05	0.07	0.79				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F19T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.1	10.1	10.1		10.1	10.1	10.1	10.1	10.1	
VMT Mix:	0.834	0.055	0.039		0.007	0.036	0.005	0.013	0.011	

Composite Emission Factors (Gm/Mile)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.16	1.38	1.50	1.43	4.63	0.75	1.08	3.15	7.98	1.293
Exhaust HC:	0.79	1.03	1.16	1.08	3.13	0.75	1.08	3.15	4.22	0.903
Evaporat HC:	0.06	0.07	0.06	0.06	0.68				3.03	0.092
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.27	0.24	0.25	0.24	0.77					0.257
Rsting L HC:	0.03	0.04	0.04	0.04	0.05				0.72	0.041
Exhaust CO:	11.06	13.12	14.37	13.64	35.30	2.53	2.87	20.09	50.95	11.681
Exhaust NOX:	0.90	1.14	1.33	1.22	3.61	1.42	1.62	10.13	0.67	1.086

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.34	0.40	0.39	0.40	3.01				14.19	
WtDiurnal	0.33	0.45	0.45	0.45	7.19				1.83	
Multiple	1.88	2.10	2.03	2.08	11.19					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.05	0.05	0.06				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.20				0.22	
HC,NoDiurnal	1.15	1.36	1.49	4.43				7.76	
DailyDiurnal	0.02	0.03	0.03	0.31				1.53	
Temperature Rise Share =		24.31%							
DiurnalShare	0.00	0.01	0.01	0.08				0.37	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.15	1.37	1.49		4.51	0.75	1.08	3.15	8.13
Evaporat HC:	0.05	0.06	0.05		0.56				3.18
WtDiurnal	0.15	0.19	0.25		2.77				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 463F19T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	11.6	11.6	11.6		11.6	11.6	11.6	11.6	11.6	
VMT Mix:	0.873	0.036	0.025		0.005	0.037	0.003	0.009	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.96	1.20	1.30	1.24	3.71	0.70	1.01	2.94	6.63	1.063
Exhaust HC:	0.72	0.94	1.05	0.99	2.75	0.70	1.01	2.94	3.76	0.805
Evaporat HC:	0.05	0.06	0.05	0.05	0.53				2.34	0.078
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.16	0.17	0.18	0.17	0.39					0.149
Rsting L HC:	0.03	0.03	0.03	0.03	0.03				0.54	0.031
Exhaust CO:	10.13	12.06	13.20	12.53	30.47	2.29	2.59	18.14	37.11	10.457
Exhaust NOX:	0.87	1.11	1.30	1.19	3.62	1.35	1.54	9.65	0.72	1.000

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.27	0.29	0.29	0.29	2.01				8.64	
WtDiurnal	0.35	0.48	0.48	0.48	8.21				4.50	
Multiple	1.90	2.08	2.01	2.06	13.38					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.03	0.04	0.04	0.04	0.04				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.54		
HC,NoDiurnal	0.95	1.18	1.29	3.49				6.09		
DailyDiurnal	0.02	0.03	0.03	0.31				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.12				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.96	1.19	1.30		3.60	0.70	1.01	2.94	6.66	
Evaporat HC:	0.05	0.05	0.05		0.42				2.37	
WtDiurnal	0.23	0.30	0.38		4.27				4.76	

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Philadelphia County MOBILE Output Files
2005 Control Strategy Scenario

MOBILE5 Processing Report

MOB5a_H I/M Program Options (Nov-95)

M 49 Warning:
0.998 MYR sum not = 1. (will normalize)
M 49 Warning:
0.997 MYR sum not = 1. (will normalize)
M 49 Warning:
0.996 MYR sum not = 1. (will normalize)
M 49 Warning:
0.998 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)
M114 Warning:
Purge Check emission benefits assume the use of a dynomometer and the IM240 transient test procedure driving cycle.

I/M program #1 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1975
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #1 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Idle
Cutpoints, HC: 220.000
Cutpoints, CO: 1.200
Cutpoints, NOx: 999.000

I/M program #2 selected:

Start year (Jan 1): 1984
Pre-1981 stringency: 20%
First MYR covered: 1981
Last MYR covered: 2020
Waiver (pre-1981): 3.%
Waiver (1981+): 3.%
Compliance Rate: 96.%
Inspection type:
Test Only
Inspection frequency: Annual
I/M program #2 vehicle types
LDGV - Yes
LDGT1 - Yes
LDGT2 - Yes
HDGV - No
1981 & later MYR test type:
Loaded / Idle
Cutpoints, HC: 50.000
Cutpoints, CO: 15.000
Cutpoints, NOx: 1.000

Functional Check Program Description:

Check	Start (Jan1)	Model Yrs Covered	Vehicle Classes Covered LDGV	LDGT1	LDGT2	HDGV	Inspection Type	Freq	Comp Rate
Press	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
Purge	1998	1981-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%
ATP	1998	1975-2020	Yes	Yes	Yes	No	Test Only	Annual	96.0%

Air pump system disablements:	Yes	Catalyst removals:	Yes
Fuel inlet restrictor disablements:	Yes	Tailpipe lead deposit test:	No
EGR disablement:	Yes	Evaporative system disablements:	Yes
PCV system disablements:	Yes	Missing gas caps:	Yes

VOC HC emission factors include all evaporative HC emission factors, except for refueling emissions.

Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F11T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	46.7	46.7	46.7		46.7	46.7	46.7	46.7	46.7	
VMT Mix:	0.814	0.064	0.045		0.009	0.035	0.006	0.016	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.45	0.59	0.59	0.59	1.68	0.26	0.38	1.05	6.53	0.550
Exhaust HC:	0.28	0.39	0.42	0.41	0.54	0.26	0.38	1.05	1.40	0.324
Evaporat HC:	0.09	0.11	0.09	0.10	0.92				4.47	0.144
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.04	0.04	0.04	0.17					0.033
Rsting L HC:	0.04	0.05	0.04	0.05	0.05				0.66	0.048
Exhaust CO:	2.74	3.82	4.13	3.94	10.40	0.69	0.78	5.32	9.92	2.974
Exhaust NOX:	1.06	1.23	1.37	1.29	5.09	1.10	1.27	7.65	1.05	1.231

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.42	0.44	3.26				13.73	
WtDiurnal	0.75	0.99	0.96	0.98	12.63				12.66	
Multiple	4.21	5.27	4.88	5.16	22.47					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.75	0.99	0.96		12.63				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.04	0.03		0.34				1.53	1.960

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F11T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	52.2	52.2	52.2		52.2	52.2	52.2	52.2	52.2	
VMT Mix:	0.837	0.053	0.037		0.007	0.036	0.005	0.013	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.40	0.52	0.53	0.53	1.30	0.25	0.36	0.99	4.26	0.465
Exhaust HC:	0.28	0.38	0.42	0.40	0.50	0.25	0.36	0.99	1.39	0.312
Evaporat HC:	0.06	0.07	0.06	0.07	0.67				2.27	0.091
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.08					0.018
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.60	0.045
Exhaust CO:	2.62	3.69	4.00	3.82	10.82	0.69	0.79	5.38	9.03	2.822
Exhaust NOX:	1.19	1.42	1.58	1.48	5.26	1.24	1.43	8.65	1.24	1.344

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.37	0.36	0.37	2.60				10.56	
WtDiurnal	0.37	0.51	0.51	0.51	8.05				1.59	
Multiple	2.20	2.37	2.19	2.32	12.35					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.22				0.19		
HC,NoDiurnal	0.39	0.50	0.51	1.08				4.07		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.39	0.51	0.52		1.19	0.25	0.36	0.99	4.55	
Evaporat HC:	0.05	0.06	0.05		0.56				2.56	
WtDiurnal	0.19	0.33	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F11T 2   ]   Minimum Temp: 91. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	34.0	34.0	34.0		34.0	34.0	34.0	34.0	34.0	
VMT Mix:	0.851	0.046	0.032		0.006	0.037	0.004	0.012	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.59	0.72	0.73	0.73	2.06	0.34	0.49	1.35	5.80	0.668
Exhaust HC:	0.38	0.50	0.54	0.51	0.81	0.34	0.49	1.35	1.67	0.418
Evaporat HC:	0.07	0.08	0.07	0.08	0.89				3.34	0.112
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.08	0.08	0.08	0.08	0.29					0.080
Rsting L HC:	0.05	0.06	0.05	0.05	0.06				0.78	0.058
Exhaust CO:	4.29	5.52	5.92	5.68	12.17	0.83	0.94	6.40	14.95	4.462
Exhaust NOX:	1.05	1.23	1.37	1.29	4.65	0.97	1.13	6.80	0.93	1.153

Evaporative Emissions by Component   Weathered RVP: 6.9   Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.42	0.50	0.48	0.49	3.80				16.13	
WtDiurnal	0.36	0.50	0.50	0.50	8.02				1.52	
Multiple	2.18	2.44	2.25	2.38	12.31					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.06	0.07	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.58	0.70	0.72	1.84				5.62		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.58	0.70	0.72		1.87	0.34	0.49	1.35	5.72	
Evaporat HC:	0.06	0.06	0.06		0.70				3.26	
WtDiurnal	0.04	0.07	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F11T 3]   Minimum Temp: 87. (F)   Maximum Temp: 93. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	46.6	46.6	46.6		46.6	46.6	46.6	46.6	46.6	
VMT Mix:	0.829	0.057	0.040		0.008	0.036	0.005	0.014	0.011	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.56	0.57	0.57	1.58	0.26	0.38	1.05	5.12	0.510
Exhaust HC:	0.28	0.39	0.43	0.41	0.54	0.26	0.38	1.05	1.40	0.321
Evaporat HC:	0.07	0.08	0.06	0.07	0.82				3.01	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.04	0.04	0.04	0.16					0.032
Rsting L HC:	0.05	0.06	0.04	0.05	0.06				0.71	0.052
Exhaust CO:	2.75	3.83	4.14	3.95	10.48	0.69	0.78	5.32	10.26	2.959
Exhaust NOX:	1.06	1.23	1.37	1.29	5.09	1.10	1.26	7.64	1.03	1.213

Evaporative Emissions by Component   Weathered RVP: 7.0   Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.45	0.43	0.45	3.36				14.19	
WtDiurnal	0.36	0.51	0.50	0.51	8.14				1.83	
Multiple	2.20	2.42	2.24	2.37	12.58					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.06	0.07				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.42	0.54	0.56	1.36				4.90		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		
Adjusted HC Emission Factors:										
VOC HC:	0.42	0.55	0.56		1.44	0.26	0.38	1.05	5.27	
Evaporat HC:	0.06	0.07	0.05		0.68				3.16	
WtDiurnal	0.15	0.26	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F11T 4]   Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.4	63.4	63.4		63.4	63.4	63.4	63.4	63.4	
VMT Mix:	0.738	0.101	0.071		0.014	0.032	0.009	0.025	0.010	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.47	0.61	0.63	0.62	1.22	0.24	0.34	0.94	5.08	0.556
Exhaust HC:	0.36	0.48	0.53	0.50	0.49	0.24	0.34	0.94	2.23	0.417
Evaporat HC:	0.06	0.07	0.06	0.06	0.64				2.32	0.088
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.013
Rsting L HC:	0.04	0.04	0.03	0.04	0.04				0.53	0.038
Exhaust CO:	4.72	6.56	7.22	6.83	14.77	0.84	0.96	6.52	25.73	5.324
Exhaust NOX:	1.53	1.92	2.14	2.01	5.65	1.82	2.10	12.67	1.69	1.964

Evaporative Emissions by Component   Weathered RVP: 7.3   Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.24				8.64	
WtDiurnal	0.38	0.55	0.54	0.54	9.24				4.50	
Multiple	2.23	2.40	2.22	2.35	14.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54	
HC,NoDiurnal	0.46	0.59	0.61	0.97				4.54	
DailyDiurnal	0.02	0.04	0.03	0.34				1.53	
Temperature Rise Share = 37.50%									
DiurnalShare	0.01	0.01	0.01	0.13				0.57	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.47	0.60	0.63		1.10	0.24	0.34	0.94	5.11
Evaporat HC:	0.06	0.06	0.06		0.52				2.35
WtDiurnal	0.23	0.39	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F12T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	58.5	58.5	58.5		58.5	58.5	58.5	58.5	58.5	
VMT Mix:	0.896	0.025	0.017		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.47	0.61	0.62	0.62	1.56	0.24	0.35	0.95	6.87	0.550
Exhaust HC:	0.31	0.43	0.46	0.44	0.48	0.24	0.35	0.95	1.74	0.337
Evaporat HC:	0.09	0.11	0.09	0.11	0.92				4.47	0.144
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.020
Rsting L HC:	0.04	0.05	0.04	0.05	0.05				0.66	0.049
Exhaust CO:	3.50	4.89	5.34	5.07	12.81	0.75	0.85	5.83	17.93	3.667
Exhaust NOX:	1.39	1.72	1.91	1.79	5.52	1.50	1.74	10.49	1.42	1.480

Evaporative Emissions by Component   Weathered RVP: 7.1   Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.42	0.44	3.26				13.73	
WtDiurnal	0.75	0.99	0.96	0.98	12.63				12.66	
Multiple	4.21	5.27	4.88	5.16	22.47					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.75	0.99	0.96		12.63				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.04	0.03		0.34				1.53	1.960

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F12T 1]   Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	60.8	60.8	60.8		60.8	60.8	60.8	60.8	60.8	
VMT Mix:	0.903	0.020	0.015		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.45	0.59	0.60	0.59	1.27	0.24	0.34	0.94	4.84	0.512
Exhaust HC:	0.34	0.45	0.49	0.47	0.48	0.24	0.34	0.94	1.97	0.362
Evaporat HC:	0.06	0.07	0.06	0.07	0.67				2.27	0.091
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.02	0.02	0.02	0.06					0.014
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.60	0.045
Exhaust CO:	4.07	5.67	6.22	5.91	13.57	0.79	0.90	6.11	21.65	4.271
Exhaust NOX:	1.45	1.81	2.02	1.90	5.57	1.64	1.89	11.41	1.55	1.542

Evaporative Emissions by Component   Weathered RVP: 7.2   Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.37	0.36	0.37	2.60				10.56	
WtDiurnal	0.37	0.51	0.51	0.51	8.05				1.59	
Multiple	2.20	2.37	2.19	2.32	12.35					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.22				0.19	
HC,NoDiurnal	0.44	0.57	0.58	1.05				4.65	
DailyDiurnal	0.02	0.04	0.03	0.34				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.11				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.44	0.58	0.59		1.16	0.24	0.34	0.94	5.13
Evaporat HC:	0.05	0.06	0.05		0.56				2.56
WtDiurnal	0.19	0.33	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F12T 2]   Minimum Temp: 91. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	52.3	52.3	52.3		52.3	52.3	52.3	52.3	52.3	
VMT Mix:	0.909	0.018	0.013		0.002	0.039	0.002	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.43	0.56	0.56	0.56	1.62	0.25	0.36	0.99	5.51	0.497
Exhaust HC:	0.28	0.38	0.42	0.40	0.51	0.25	0.36	0.99	1.39	0.298
Evaporat HC:	0.07	0.08	0.07	0.08	0.89				3.34	0.113
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.03	0.03	0.03	0.03	0.16					0.027
Rsting L HC:	0.05	0.06	0.05	0.05	0.06				0.78	0.059
Exhaust CO:	2.62	3.69	4.00	3.82	11.50	0.69	0.79	5.38	10.65	2.715
Exhaust NOX:	1.20	1.44	1.60	1.51	5.31	1.24	1.44	8.67	1.16	1.254

Evaporative Emissions by Component   Weathered RVP: 6.9   Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)   Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.42	0.50	0.48	0.49	3.80				16.13	
WtDiurnal	0.36	0.50	0.50	0.50	8.02				1.52	
Multiple	2.18	2.44	2.25	2.38	12.31					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.06	0.07	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	0.42	0.54	0.55	1.40				5.33		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	0.42	0.54	0.55		1.43	0.25	0.36	0.99	5.43	
Evaporat HC:	0.06	0.06	0.06		0.70				3.26	
WtDiurnal	0.04	0.07	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F12T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	58.6	58.6	58.6		58.6	58.6	58.6	58.6	58.6	
VMT Mix:	0.901	0.022	0.015		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.45	0.59	0.59	0.59	1.46	0.24	0.35	0.95	5.47	0.513
Exhaust HC:	0.31	0.43	0.46	0.44	0.48	0.24	0.35	0.95	1.74	0.337
Evaporat HC:	0.07	0.08	0.06	0.07	0.82				3.01	0.103
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.02	0.02	0.02	0.02	0.11					0.020
Rsting L HC:	0.05	0.06	0.04	0.05	0.06				0.71	0.053
Exhaust CO:	3.52	4.92	5.38	5.11	12.96	0.75	0.86	5.84	18.76	3.694
Exhaust NOX:	1.40	1.73	1.92	1.80	5.52	1.51	1.74	10.52	1.40	1.484

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.45	0.43	0.45	3.36				14.19	
WtDiurnal	0.36	0.51	0.50	0.51	8.14				1.83	
Multiple	2.20	2.42	2.24	2.37	12.58					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.06	0.07				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	0.44	0.57	0.58	1.24				5.25		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.44	0.58	0.58		1.32	0.24	0.35	0.95	5.62	
Evaporat HC:	0.06	0.07	0.05		0.68				3.16	
WtDiurnal	0.15	0.26	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F12T 4]
Minimum Temp: 71. (F)   Maximum Temp: 85. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	63.7	63.7	63.7		63.7	63.7	63.7	63.7	63.7	
VMT Mix:	0.865	0.039	0.028		0.005	0.037	0.004	0.010	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.47	0.61	0.63	0.62	1.22	0.24	0.34	0.94	5.11	0.539
Exhaust HC:	0.37	0.49	0.53	0.50	0.49	0.24	0.34	0.94	2.26	0.399
Evaporat HC:	0.06	0.07	0.06	0.06	0.64				2.32	0.088
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.01	0.01	0.01	0.01	0.05					0.012
Rsting L HC:	0.04	0.04	0.03	0.04	0.04				0.53	0.040
Exhaust CO:	4.80	6.66	7.34	6.94	14.95	0.85	0.96	6.57	26.35	5.108
Exhaust NOX:	1.54	1.94	2.16	2.03	5.66	1.84	2.12	12.83	1.70	1.719

Evaporative Emissions by Component   Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	MC
Hot Soak	0.30	0.33	0.32	0.33	2.24	8.64
WtDiurnal	0.38	0.55	0.54	0.54	9.24	4.50
Multiple	2.23	2.40	2.22	2.35	14.98	
Crankcase	0.00	0.00	0.00	0.00	0.01	0.00
Refuel	0.00	0.00	0.00	0.00	0.00	
Resting	0.04	0.05	0.04	0.04	0.05	0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	
Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.02	0.25	0.54
HC,NoDiurnal	0.46	0.59	0.61	0.97	4.57
DailyDiurnal	0.02	0.04	0.03	0.34	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.13	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.47	0.60	0.63		1.10	0.24	0.34	0.94	5.14
Evaporat HC:	0.06	0.06	0.06		0.52				2.35
WtDiurnal	0.23	0.39	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F14T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	20.2	20.2	20.2		20.2	20.2	20.2	20.2	20.2	
VMT Mix:	0.890	0.028	0.019		0.004	0.038	0.002	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.89	1.04	1.07	1.05	3.03	0.52	0.75	2.07	7.57	0.978
Exhaust HC:	0.62	0.76	0.82	0.79	1.63	0.52	0.75	2.07	2.44	0.656
Evaporat HC:	0.09	0.11	0.09	0.11	0.92				4.47	0.145
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.14	0.12	0.12	0.12	0.43					0.128
Rsting L HC:	0.04	0.05	0.04	0.05	0.05				0.66	0.049
Exhaust CO:	8.21	9.80	10.40	10.04	19.85	1.41	1.60	10.91	24.12	8.279
Exhaust NOX:	0.99	1.21	1.34	1.26	4.13	1.11	1.28	7.76	0.77	1.063

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.42	0.44	3.26				13.73	
WtDiurnal	0.75	0.99	0.96	0.98	12.63				12.66	
Multiple	4.21	5.27	4.88	5.16	22.47					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.75	0.99	0.96		12.63				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.04	0.03		0.34				1.53	1.960

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F14T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	21.3	21.3	21.3		21.3	21.3	21.3	21.3	21.3	
VMT Mix:	0.885	0.030	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.78	0.92	0.95	0.93	2.48	0.50	0.72	1.99	5.23	0.847
Exhaust HC:	0.59	0.73	0.78	0.75	1.51	0.50	0.72	1.99	2.36	0.626
Evaporat HC:	0.06	0.07	0.06	0.07	0.67				2.27	0.089
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.09	0.07	0.07	0.07	0.26					0.087
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.60	0.045
Exhaust CO:	7.71	9.26	9.83	9.49	18.38	1.33	1.51	10.33	21.24	7.764
Exhaust NOX:	0.99	1.20	1.34	1.26	4.15	1.09	1.26	7.60	0.81	1.065

Evaporative Emissions by Component Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.37	0.36	0.37	2.60				10.56	
WtDiurnal	0.37	0.51	0.51	0.51	8.05				1.59	
Multiple	2.20	2.37	2.19	2.32	12.35					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.22				0.19		
HC,NoDiurnal	0.77	0.90	0.93	2.26				5.04		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.77	0.91	0.94		2.37	0.50	0.72	1.99	5.52	
Evaporat HC:	0.05	0.06	0.05		0.56				2.56	
WtDiurnal	0.19	0.33	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F14T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	15.2	15.2	15.2		15.2	15.2	15.2	15.2	15.2	
VMT Mix:	0.910	0.018	0.012		0.002	0.039	0.002	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.10	1.27	1.31	1.29	3.98	0.63	0.92	2.52	7.12	1.180
Exhaust HC:	0.73	0.91	0.98	0.94	2.33	0.63	0.92	2.52	2.99	0.774
Evaporat HC:	0.07	0.08	0.07	0.08	0.89				3.34	0.113
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.25	0.21	0.21	0.21	0.70					0.234
Rsting L HC:	0.05	0.06	0.05	0.06	0.06				0.78	0.059
Exhaust CO:	9.75	11.52	12.26	11.81	27.77	1.86	2.12	14.43	34.97	9.874
Exhaust NOX:	1.01	1.24	1.38	1.30	3.96	1.25	1.44	8.69	0.68	1.061

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.42	0.50	0.48	0.49	3.80				16.13	
WtDiurnal	0.36	0.50	0.50	0.50	8.02				1.52	
Multiple	2.18	2.44	2.25	2.38	12.31					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.06	0.07	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	1.09	1.25	1.30	3.76				6.94		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.09	1.25	1.30		3.79	0.63	0.92	2.52	7.04	
Evaporat HC:	0.06	0.06	0.06		0.70				3.26	
WtDiurnal	0.04	0.07	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F14T 3]
Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	20.4	20.4	20.4		20.4	20.4	20.4	20.4	20.4	
VMT Mix:	0.880	0.032	0.023		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.86	1.00	1.03	1.02	2.90	0.52	0.75	2.05	6.15	0.935
Exhaust HC:	0.61	0.75	0.81	0.78	1.61	0.52	0.75	2.05	2.43	0.653
Evaporat HC:	0.07	0.08	0.06	0.07	0.82				3.01	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.13	0.11	0.11	0.11	0.42					0.124
Rsting L HC:	0.05	0.06	0.04	0.05	0.06				0.71	0.053
Exhaust CO:	8.11	9.70	10.29	9.95	19.81	1.39	1.58	10.80	24.67	8.207
Exhaust NOX:	0.99	1.21	1.34	1.26	4.14	1.11	1.28	7.73	0.76	1.076

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.38	0.45	0.43	0.45	3.36				14.19
WtDiurnal	0.36	0.51	0.50	0.51	8.14				1.83
Multiple	2.20	2.42	2.24	2.37	12.58				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.05	0.06	0.05	0.06	0.07				0.21

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22
HC,NoDiurnal	0.85	0.98	1.02	2.68				5.93
DailyDiurnal	0.02	0.04	0.03	0.34				1.53
Temperature Rise Share = 24.31%								
DiurnalShare	0.00	0.01	0.01	0.08				0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.85	0.99	1.02		2.76	0.52	0.75	2.05	6.30
Evaporat HC:	0.06	0.07	0.05		0.68				3.16
WtDiurnal	0.15	0.26	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F14T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	28.9	28.9	28.9		28.9	28.9	28.9	28.9	28.9	
VMT Mix:	0.890	0.027	0.019		0.004	0.038	0.002	0.007	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.60	0.73	0.75	0.74	1.84	0.39	0.56	1.55	4.76	0.665
Exhaust HC:	0.44	0.57	0.61	0.58	0.99	0.39	0.56	1.55	1.91	0.474
Evaporat HC:	0.06	0.07	0.06	0.06	0.64				2.32	0.090
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.07	0.05	0.05	0.05	0.17					0.061
Rsting L HC:	0.04	0.04	0.03	0.04	0.04				0.53	0.040
Exhaust CO:	5.31	6.63	7.07	6.81	13.07	0.97	1.10	7.49	14.48	5.367
Exhaust NOX:	1.02	1.21	1.34	1.26	4.41	0.99	1.15	6.92	0.96	1.082

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.24				8.64	
WtDiurnal	0.38	0.55	0.54	0.54	9.24				4.50	
Multiple	2.23	2.40	2.22	2.35	14.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54		
HC,NoDiurnal	0.59	0.71	0.73	1.59				4.22		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.13				0.57		
Adjusted HC Emission Factors:										
VOC HC:	0.60	0.72	0.75		1.72	0.39	0.56	1.55	4.79	
Evaporat HC:	0.06	0.06	0.06		0.52				2.35	
WtDiurnal	0.23	0.39	0.38		4.68				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F16T 24HR]
Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	13.9	13.9	13.9		13.9	13.9	13.9	13.9	13.9	
VMT Mix:	0.899	0.023	0.016		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.17	1.34	1.38	1.36	4.15	0.67	0.97	2.66	8.35	1.257
Exhaust HC:	0.77	0.96	1.04	0.99	2.51	0.67	0.97	2.66	3.22	0.822
Evaporat HC:	0.09	0.11	0.09	0.11	0.92				4.47	0.144
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.26	0.21	0.21	0.21	0.67					0.242
Rsting L HC:	0.04	0.05	0.04	0.05	0.05				0.66	0.049
Exhaust CO:	10.26	12.09	12.88	12.41	29.06	2.02	2.29	15.63	35.04	10.392
Exhaust NOX:	1.01	1.25	1.38	1.30	3.90	1.29	1.49	9.01	0.69	1.088

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.42	0.44	3.26				13.73	
WtDiurnal	0.75	0.99	0.96	0.98	12.63				12.66	
Multiple	4.21	5.27	4.88	5.16	22.47					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.75	0.99	0.96		12.63				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.04	0.03		0.34				1.53	1.960

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F16T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	14.6	14.6	14.6		14.6	14.6	14.6	14.6	14.6	
VMT Mix:	0.891	0.026	0.019		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.02	1.21	1.26	1.23	3.48	0.65	0.94	2.58	5.98	1.093
Exhaust HC:	0.75	0.93	1.01	0.96	2.37	0.65	0.94	2.58	3.10	0.803
Evaporat HC:	0.06	0.07	0.06	0.07	0.67				2.27	0.089
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.17	0.16	0.16	0.16	0.40					0.156
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.60	0.045
Exhaust CO:	9.97	11.77	12.53	12.09	27.20	1.93	2.19	14.96	30.92	10.096
Exhaust NOX:	1.00	1.23	1.37	1.29	3.90	1.27	1.46	8.84	0.72	1.090

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.37	0.36	0.37	2.60				10.56	
WtDiurnal	0.37	0.51	0.51	0.51	8.05				1.59	
Multiple	2.20	2.37	2.19	2.32	12.35					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.22				0.19	
HC,NoDiurnal	1.01	1.19	1.24	3.26				5.79	
DailyDiurnal	0.02	0.04	0.03	0.34				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.11				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.01	1.20	1.25		3.37	0.65	0.94	2.58	6.27
Evaporat HC:	0.05	0.06	0.05		0.56				2.56
WtDiurnal	0.19	0.33	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F16T 2]

Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	11.0	11.0	11.0		11.0	11.0	11.0	11.0	11.0	
VMT Mix:	0.916	0.015	0.010		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.37	1.57	1.62	1.59	5.12	0.76	1.10	3.03	8.04	1.451
Exhaust HC:	0.89	1.13	1.22	1.16	3.20	0.76	1.10	3.03	3.91	0.947
Evaporat HC:	0.07	0.08	0.07	0.08	0.89				3.34	0.113
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.35	0.30	0.30	0.30	0.00					0.332
Rsting L HC:	0.05	0.06	0.05	0.06	0.06				0.78	0.059
Exhaust CO:	11.83	13.87	14.80	14.24	37.13	2.44	2.77	18.89	49.17	12.075
Exhaust NOX:	1.05	1.29	1.43	1.34	3.81	1.41	1.63	9.84	0.66	1.104

Evaporative Emissions by Component Weathered RVP: 6.9
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 95.7 (F)
Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.42	0.50	0.48	0.49	3.80				16.13	
WtDiurnal	0.36	0.50	0.50	0.50	8.02				1.52	
Multiple	2.18	2.44	2.25	2.38	12.31					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.06	0.07	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	1.36	1.55	1.61	4.90				7.86		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share =	6.94%									
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	1.36	1.55	1.61		4.93	0.76	1.10	3.03	7.96	
Evaporat HC:	0.06	0.06	0.06		0.70				3.26	
WtDiurnal	0.04	0.07	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F16T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	13.7	13.7	13.7		13.7	13.7	13.7	13.7	13.7	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.15	1.32	1.37	1.34	4.09	0.67	0.98	2.69	6.98	1.233
Exhaust HC:	0.78	0.97	1.05	1.00	2.55	0.67	0.98	2.69	3.25	0.835
Evaporat HC:	0.07	0.08	0.06	0.07	0.82				3.01	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.26	0.21	0.21	0.21	0.67					0.240
Rsting L HC:	0.05	0.06	0.04	0.05	0.06				0.71	0.053
Exhaust CO:	10.35	12.19	12.98	12.52	29.71	2.04	2.32	15.82	36.74	10.543
Exhaust NOX:	1.02	1.25	1.39	1.31	3.89	1.30	1.50	9.06	0.68	1.106

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.45	0.43	0.45	3.36				14.19	
WtDiurnal	0.36	0.51	0.50	0.51	8.14				1.83	
Multiple	2.20	2.42	2.24	2.37	12.58					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.06	0.07				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22		
HC,NoDiurnal	1.14	1.30	1.36	3.87				6.76		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share = 24.31%										
DiurnalShare	0.00	0.01	0.01	0.08				0.37		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.14	1.31	1.36		3.95	0.67	0.98	2.69	7.13	
Evaporat HC:	0.06	0.07	0.05		0.68				3.16	
WtDiurnal	0.15	0.26	0.25		3.03				3.09	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F16T 4]

Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	18.9	18.9	18.9		18.9	18.9	18.9	18.9	18.9	
VMT Mix:	0.907	0.018	0.013		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.85	1.00	1.03	1.01	2.69	0.55	0.79	2.17	5.42	0.911
Exhaust HC:	0.65	0.80	0.86	0.83	1.75	0.55	0.79	2.17	2.57	0.687
Evaporat HC:	0.06	0.07	0.06	0.06	0.64				2.32	0.089
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.10	0.09	0.08	0.09	0.26					0.095
Rsting L HC:	0.04	0.04	0.03	0.04	0.04				0.53	0.040
Exhaust CO:	8.69	10.31	10.95	10.58	20.59	1.51	1.71	11.68	22.52	8.684
Exhaust NOX:	0.98	1.20	1.33	1.26	4.05	1.14	1.32	7.96	0.79	1.033

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Hot Soak	0.30	0.33	0.32	0.33	2.24				8.64
WtDiurnal	0.38	0.55	0.54	0.54	9.24				4.50
Multiple	2.23	2.40	2.22	2.35	14.98				
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00
Refuel	0.00	0.00	0.00	0.00	0.00				
Resting	0.04	0.05	0.04	0.04	0.05				0.15

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54	
HC,NoDiurnal	0.84	0.98	1.01	2.44				4.88	
DailyDiurnal	0.02	0.04	0.03	0.34				1.53	
Temperature Rise Share = 37.50%									
DiurnalShare	0.01	0.01	0.01	0.13				0.57	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	0.85	0.99	1.03		2.57	0.55	0.79	2.17	5.45
Evaporat HC:	0.06	0.06	0.06		0.52				2.35
WtDiurnal	0.23	0.39	0.38		4.68				4.76

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F17T 24HR] Minimum Temp: 71. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	14.3	14.3	14.3		14.3	14.3	14.3	14.3	14.3	
VMT Mix:	0.899	0.023	0.016		0.003	0.039	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.14	1.32	1.35	1.33	4.05	0.66	0.95	2.62	8.28	1.234
Exhaust HC:	0.76	0.95	1.02	0.98	2.43	0.66	0.95	2.62	3.15	0.808
Evaporat HC:	0.09	0.11	0.09	0.11	0.92				4.47	0.144
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.25	0.20	0.20	0.20	0.65					0.233
Rsting L HC:	0.04	0.05	0.04	0.05	0.05				0.66	0.049
Exhaust CO:	10.09	11.90	12.67	12.22	28.29	1.97	2.24	15.24	34.03	10.216
Exhaust NOX:	1.01	1.24	1.38	1.30	3.92	1.28	1.48	8.91	0.69	1.084

Evaporative Emissions by Component Weathered RVP: 7.1 Hot Soak Temp: 91.6 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.42	0.44	3.26				13.73	
WtDiurnal	0.75	0.99	0.96	0.98	12.63				12.66	
Multiple	4.21	5.27	4.88	5.16	22.47					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.75	0.99	0.96		12.63				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.04	0.03		0.34				1.53	1.960

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F17T 1]

Minimum Temp: 80. (F)   Maximum Temp: 87. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	14.8	14.8	14.8		14.8	14.8	14.8	14.8	14.8	
VMT Mix:	0.890	0.027	0.019		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.01	1.20	1.24	1.22	3.44	0.64	0.93	2.56	5.94	1.084
Exhaust HC:	0.74	0.93	1.00	0.96	2.33	0.64	0.93	2.56	3.07	0.797
Evaporat HC:	0.06	0.07	0.06	0.07	0.67				2.27	0.089
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.16	0.16	0.15	0.15	0.39					0.153
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.60	0.045
Exhaust CO:	9.90	11.68	12.43	11.99	26.85	1.91	2.17	14.78	30.49	10.017
Exhaust NOX:	1.00	1.23	1.37	1.29	3.91	1.26	1.46	8.79	0.72	1.088

Evaporative Emissions by Component   Weathered RVP: 7.2
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 86.1 (F)
Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.37	0.36	0.37	2.60				10.56	
WtDiurnal	0.37	0.51	0.51	0.51	8.05				1.59	
Multiple	2.20	2.37	2.19	2.32	12.35					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.22				0.19		
HC,NoDiurnal	1.00	1.18	1.22	3.22				5.75		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share = 31.25%										
DiurnalShare	0.01	0.01	0.01	0.11				0.48		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	1.00	1.19	1.23		3.33	0.64	0.93	2.56	6.23	
Evaporat HC:	0.05	0.06	0.05		0.56				2.56	
WtDiurnal	0.19	0.33	0.32		3.90				3.97	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F17T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	12.7	12.7	12.7		12.7	12.7	12.7	12.7	12.7	
VMT Mix:	0.916	0.015	0.010		0.002	0.039	0.001	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.25	1.43	1.48	1.45	4.60	0.70	1.02	2.80	7.58	1.325
Exhaust HC:	0.81	1.02	1.10	1.05	2.80	0.70	1.02	2.80	3.46	0.863
Evaporat HC:	0.07	0.08	0.07	0.08	0.89				3.34	0.113
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.31	0.26	0.26	0.26	0.84					0.290
Rsting L HC:	0.05	0.06	0.05	0.06	0.06				0.78	0.059
Exhaust CO:	10.82	12.73	13.57	13.07	32.86	2.18	2.47	16.87	42.13	11.007
Exhaust NOX:	1.03	1.27	1.41	1.32	3.87	1.34	1.54	9.33	0.66	1.082

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.42	0.50	0.48	0.49	3.80				16.13	
WtDiurnal	0.36	0.50	0.50	0.50	8.02				1.52	
Multiple	2.18	2.44	2.25	2.38	12.31					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.06	0.07	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18		
HC,NoDiurnal	1.24	1.41	1.47	4.38				7.40		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share =		6.94%								
DiurnalShare	0.00	0.00	0.00	0.02				0.11		
Adjusted HC Emission Factors:										
VOC HC:	1.24	1.41	1.47		4.41	0.70	1.02	2.80	7.50	
Evaporat HC:	0.06	0.06	0.06		0.70				3.26	
WtDiurnal	0.04	0.07	0.07		0.87				0.88	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F17T 3]

Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	14.4	14.4	14.4		14.4	14.4	14.4	14.4	14.4	
VMT Mix:	0.888	0.028	0.020		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.11	1.28	1.32	1.30	3.93	0.65	0.95	2.61	6.85	1.193
Exhaust HC:	0.75	0.94	1.02	0.97	2.42	0.65	0.95	2.61	3.13	0.810
Evaporat HC:	0.07	0.08	0.06	0.07	0.82				3.01	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.24	0.20	0.20	0.20	0.63					0.226
Rsting L HC:	0.05	0.06	0.04	0.05	0.06				0.71	0.053
Exhaust CO:	10.05	11.86	12.62	12.18	28.34	1.95	2.22	15.15	34.89	10.231
Exhaust NOX:	1.01	1.24	1.38	1.30	3.92	1.27	1.47	8.88	0.69	1.099

Evaporative Emissions by Component Weathered RVP: 7.0
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 92.4 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.45	0.43	0.45	3.36				14.19	
WtDiurnal	0.36	0.51	0.50	0.51	8.14				1.83	
Multiple	2.20	2.42	2.24	2.37	12.58					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.06	0.07				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.01	0.22	0.22
HC,NoDiurnal	1.10	1.26	1.31	3.71	6.63
DailyDiurnal	0.02	0.04	0.03	0.34	1.53
Temperature Rise Share =	24.31%				
DiurnalShare	0.00	0.01	0.01	0.08	0.37

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.10	1.27	1.31		3.79	0.65	0.95	2.61	7.00
Evaporat HC:	0.06	0.07	0.05		0.68				3.16
WtDiurnal	0.15	0.26	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F17T 4] Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	16.1	16.1	16.1		16.1	16.1	16.1	16.1	16.1	
VMT Mix:	0.907	0.018	0.013		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	0.94	1.12	1.16	1.14	3.12	0.61	0.88	2.43	5.74	1.009
Exhaust HC:	0.71	0.88	0.95	0.91	2.11	0.61	0.88	2.43	2.89	0.752
Evaporat HC:	0.06	0.07	0.06	0.06	0.64				2.32	0.089
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.13	0.13	0.13	0.13	0.32					0.127
Rsting L HC:	0.04	0.04	0.03	0.04	0.04				0.53	0.040
Exhaust CO:	9.45	11.17	11.88	11.47	24.32	1.76	2.01	13.67	26.39	9.482
Exhaust NOX:	0.99	1.22	1.35	1.27	3.95	1.22	1.41	8.50	0.76	1.051

Evaporative Emissions by Component Weathered RVP: 7.3 Hot Soak Temp: 82.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.24				8.64	
WtDiurnal	0.38	0.55	0.54	0.54	9.24				4.50	
Multiple	2.23	2.40	2.22	2.35	14.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30		
WtDiurn,g/mi	0.01	0.02	0.02	0.25				0.54		
HC,NoDiurnal	0.93	1.10	1.14	2.87				5.20		
DailyDiurnal	0.02	0.04	0.03	0.34				1.53		
Temperature Rise Share = 37.50%										
DiurnalShare	0.01	0.01	0.01	0.13				0.57		

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
VOC HC:	0.94	1.11	1.16		3.00	0.61	0.88	2.43	5.77	
Evaporat HC:	0.06	0.06	0.06		0.52				2.35	
WtDiurnal	0.23	0.39	0.38		4.68				4.76	

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes   ASTM Class: C

[A 673F19T 24HR]   Minimum Temp: 71. (F)   Maximum Temp: 96. (F)
Period 1 RVP: 8.7   Period 2 RVP: 8.7   Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	
VMT Mix:	0.895	0.025	0.018		0.004	0.038	0.002	0.006	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.44	1.66	1.72	1.68	5.28	0.79	1.15	3.17	9.40	1.547
Exhaust HC:	0.95	1.20	1.30	1.24	3.39	0.79	1.15	3.17	4.27	1.021
Evaporat HC:	0.09	0.11	0.09	0.10	0.92				4.47	0.145
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.35	0.29	0.29	0.29	0.93					0.332
Rsting L HC:	0.04	0.05	0.04	0.05	0.05				0.66	0.049
Exhaust CO:	12.57	14.72	15.72	15.14	38.44	2.61	2.97	20.23	49.89	12.884
Exhaust NOX:	1.05	1.30	1.44	1.36	3.76	1.46	1.68	10.17	0.68	1.143

Evaporative Emissions by Component   Weathered RVP: 7.1
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 91.6 (F)
Running Loss Temp: 92.5 (F)
Resting Loss Temp: 84.9 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.44	0.42	0.44	3.26				13.73	
WtDiurnal	0.75	0.99	0.96	0.98	12.63				12.66	
Multiple	4.21	5.27	4.88	5.16	22.47					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.05	0.06				0.19	

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THIS 24-HOUR SCENARIO WAS SYNTHETICALLY GENERATED TO CALCULATE 24-HOUR DIURNAL EMISSIONS:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Daily Diurnal Emissions (g/veh/day):	0.75	0.99	0.96		12.63				12.66	
Daily Vehicle Mileage (mi/veh/day):	31.10	26.30	33.70		36.70	31.10	29.80	138.30	8.30	
Daily Diurnal Emissions to be Allocated to Time Periods (g/mi):	0.02	0.04	0.03		0.34				1.53	1.960

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F19T 1] Minimum Temp: 80. (F) Maximum Temp: 87. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.3	10.3	10.3		10.3	10.3	10.3	10.3	10.3	
VMT Mix:	0.886	0.029	0.021		0.004	0.038	0.003	0.007	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.27	1.53	1.60	1.56	4.56	0.78	1.14	3.12	7.04	1.357
Exhaust HC:	0.93	1.18	1.27	1.22	3.29	0.78	1.14	3.12	4.17	1.005
Evaporat HC:	0.06	0.07	0.06	0.07	0.67				2.27	0.089
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.23	0.24	0.23	0.23	0.56					0.218
Rsting L HC:	0.04	0.05	0.04	0.04	0.05				0.60	0.045
Exhaust CO:	12.33	14.44	15.42	14.86	36.85	2.56	2.91	19.82	44.82	12.601
Exhaust NOX:	1.04	1.28	1.43	1.34	3.75	1.44	1.67	10.07	0.71	1.145

Evaporative Emissions by Component Weathered RVP: 7.2 Hot Soak Temp: 86.1 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 86.2 (F)
Resting Loss Temp: 81.6 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.33	0.37	0.36	0.37	2.60				10.56	
WtDiurnal	0.37	0.51	0.51	0.51	8.05				1.59	
Multiple	2.20	2.37	2.19	2.32	12.35					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.05	0.05	0.05	0.06				0.17	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.02	0.22				0.19	
HC,NoDiurnal	1.26	1.51	1.58	4.34				6.85	
DailyDiurnal	0.02	0.04	0.03	0.34				1.53	
Temperature Rise Share = 31.25%									
DiurnalShare	0.01	0.01	0.01	0.11				0.48	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.26	1.52	1.59		4.45	0.78	1.14	3.12	7.33
Evaporat HC:	0.05	0.06	0.05		0.56				2.56
WtDiurnal	0.19	0.33	0.32		3.90				3.97

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F19T 2] Minimum Temp: 91. (F) Maximum Temp: 96. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	9.0	9.0	9.0		9.0	9.0	9.0	9.0	9.0	
VMT Mix:	0.912	0.016	0.012		0.002	0.039	0.002	0.004	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.56	1.79	1.86	1.82	5.88	0.83	1.21	3.32	8.81	1.646
Exhaust HC:	1.02	1.30	1.40	1.34	3.75	0.83	1.21	3.32	4.68	1.086
Evaporat HC:	0.07	0.08	0.07	0.08	0.89				3.34	0.113
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.41	0.35	0.35	0.35	1.17					0.388
Rsting L HC:	0.05	0.06	0.05	0.05	0.06				0.78	0.059
Exhaust CO:	13.49	15.76	16.85	16.23	43.22	2.80	3.19	21.72	61.29	13.845
Exhaust NOX:	1.07	1.32	1.47	1.39	3.74	1.51	1.74	10.53	0.67	1.140

Evaporative Emissions by Component Weathered RVP: 6.9 Hot Soak Temp: 95.7 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 95.7 (F)
Resting Loss Temp: 91.1 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.42	0.50	0.48	0.49	3.80				16.13	
WtDiurnal	0.36	0.50	0.50	0.50	8.02				1.52	
Multiple	2.18	2.44	2.25	2.38	12.31					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.06	0.07	0.06	0.06	0.07				0.23	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.18	
HC,NoDiurnal	1.55	1.77	1.85	5.66				8.63	
DailyDiurnal	0.02	0.04	0.03	0.34				1.53	
Temperature Rise Share =		6.94%							
DiurnalShare	0.00	0.00	0.00	0.02				0.11	

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.55	1.77	1.85		5.69	0.83	1.21	3.32	8.73
Evaporat HC:	0.06	0.06	0.06		0.70				3.26
WtDiurnal	0.04	0.07	0.07		0.87				0.88

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F19T 3] Minimum Temp: 87. (F) Maximum Temp: 93. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	10.1	10.1	10.1		10.1	10.1	10.1	10.1	10.1	
VMT Mix:	0.882	0.031	0.022		0.004	0.038	0.003	0.008	0.012	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.40	1.61	1.68	1.64	5.14	0.79	1.15	3.15	7.95	1.498
Exhaust HC:	0.94	1.19	1.29	1.23	3.37	0.79	1.15	3.15	4.22	1.021
Evaporat HC:	0.07	0.08	0.06	0.07	0.82				3.01	0.104
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.34	0.28	0.28	0.28	0.90					0.320
Rsting L HC:	0.05	0.06	0.04	0.05	0.06				0.71	0.053
Exhaust CO:	12.49	14.62	15.62	15.04	38.47	2.59	2.95	20.09	50.96	12.849
Exhaust NOX:	1.05	1.30	1.44	1.36	3.76	1.45	1.68	10.13	0.67	1.166

Evaporative Emissions by Component Weathered RVP: 7.0 Hot Soak Temp: 92.4 (F)
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr) Running Loss Temp: 92.5 (F)
Resting Loss Temp: 87.8 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.38	0.45	0.43	0.45	3.36				14.19	
WtDiurnal	0.36	0.51	0.50	0.51	8.14				1.83	
Multiple	2.20	2.42	2.24	2.37	12.58					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.05	0.06	0.05	0.06	0.07				0.21	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70				8.30	
WtDiurn,g/mi	0.01	0.02	0.01	0.22				0.22	
HC,NoDiurnal	1.39	1.59	1.67	4.92				7.73	
DailyDiurnal	0.02	0.04	0.03	0.34				1.53	
Temperature Rise Share = 24.31%									
DiurnalShare	0.00	0.01	0.01	0.08				0.37	

Adjusted HC Emission Factors:

VOC HC:	1.39	1.60	1.67		5.00	0.79	1.15	3.15	8.10
Evaporat HC:	0.06	0.07	0.05		0.68				3.16
WtDiurnal	0.15	0.26	0.25		3.03				3.09

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Emission factors are as of July 1st of the indicated calendar year.

User supplied veh registration distributions.
Reformulated Gas: Yes ASTM Class: C

[A 673F19T 4]

Minimum Temp: 71. (F) Maximum Temp: 85. (F)
Period 1 RVP: 8.7 Period 2 RVP: 8.7 Period 2 Start Yr: 2020

Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Veh. Speeds:	11.2	11.2	11.2		11.2	11.2	11.2	11.2	11.2	
VMT Mix:	0.903	0.021	0.014		0.003	0.039	0.002	0.005	0.013	
Composite Emission Factors (Gm/Mile)										
VOC HC:	1.18	1.43	1.49	1.46	4.19	0.75	1.09	3.00	6.73	1.262
Exhaust HC:	0.88	1.11	1.20	1.15	3.04	0.75	1.09	3.00	3.88	0.943
Evaporat HC:	0.06	0.07	0.06	0.06	0.64				2.32	0.089
Refuel L HC:	0.00	0.00	0.00	0.00	0.00					0.000
Runing L HC:	0.20	0.21	0.21	0.21	0.47					0.190
Rsting L HC:	0.04	0.04	0.03	0.04	0.04				0.53	0.040
Exhaust CO:	11.69	13.71	14.63	14.08	33.94	2.40	2.73	18.63	38.55	11.845
Exhaust NOX:	1.03	1.26	1.40	1.32	3.77	1.40	1.62	9.77	0.72	1.101

Evaporative Emissions by Component Weathered RVP: 7.3
(Hot Soak: g/trip, Diurnals: g, Crankcase: g/mi, Refuel: g/gal, Resting: g/hr)

Hot Soak Temp: 82.7 (F)
Running Loss Temp: 83.1 (F)
Resting Loss Temp: 77.4 (F)

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
Hot Soak	0.30	0.33	0.32	0.33	2.24				8.64	
WtDiurnal	0.38	0.55	0.54	0.54	9.24				4.50	
Multiple	2.23	2.40	2.22	2.35	14.98					
Crankcase	0.00	0.00	0.00	0.00	0.01				0.00	
Refuel	0.00	0.00	0.00	0.00	0.00					
Resting	0.04	0.05	0.04	0.04	0.05				0.15	

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DIURNAL EMISSIONS ADJUSTMENTS TO ACCOUNT FOR TIME-OF-DAY:

Daily Veh Mi	31.10	26.30	33.70	36.70	8.30
WtDiurn,g/mi	0.01	0.02	0.02	0.25	0.54
HC,NoDiurnal	1.17	1.41	1.47	3.94	6.19
DailyDiurnal	0.02	0.04	0.03	0.34	1.53
Temperature Rise Share = 37.50%					
DiurnalShare	0.01	0.01	0.01	0.13	0.57

Adjusted HC Emission Factors:

	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDDT	HDDV	MC
VOC HC:	1.18	1.42	1.49		4.07	0.75	1.09	3.00	6.76
Evaporat HC:	0.06	0.06	0.06		0.52				2.35
WtDiurnal	0.23	0.39	0.38		4.68				4.76

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COMMENT/RESPONSE DOCUMENT

SIP Revision for the Philadelphia Interstate Ozone Nonattainment Area: Phase II Plan
Proposed January 31, 1998

COMMENTATORS

1. James O'Brien
   Lukens Inc.
   50 South First Avenue
   Coatesville, PA 19320

2. Robert Warland, Director
   Division of Air Resources
   New York State Department of Environmental Conservation
   50 Wolf Road
   Albany, NY 12233-3250

3. Jason Rash, Esq.
   Clean Air Council
   135 S. 19th Street, Suite 300
   Philadelphia, PA 19103

4. Judith Katz
   US Environmental Protection Agency, Region III
   841 Chestnut Building
   Philadelphia, PA 19107-4431

Numbers in parentheses after each comment refer to the commentator as listed above.

COMMENT 1: *The Commentator has reviewed the Phase II plan and has determined that no 1990 emissions are listed for the Lukens' Conshohocken facility in Montgomery County. The Commentator requests that this facility be included in the inventory. (1)*

RESPONSE: The Department agrees that the Lukens facility was omitted from the tables and the 1990 VOC inventory. Since the Phase I plan which will be submitted to EPA later in 1998, will include the 1990 NOx baseline inventory for SIP approval, Lukens' NOx emissions will be part of that submission. The Phase I plan will also request a SIP amendment to add these emission to the 1990 VOC baseline inventory. The Department records show that Lukens' Conshohocken plant emitted 15.6 tons of VOC and 158.6 tons of NOx in 1990. The VOC emissions equal approximately 0.04 tons per typical summer day. This value is very low and will not affect the projected inventories, including the 15% plan.

COMMENT 2: *The commentator supports Pennsylvania's call for EPA to enact controls on certain large sources of NOx. (2)*

RESPONSE: The Commonwealth appreciates the support.

COMMENT 3: *The Plan does not state, or even suggest, that it contains the programs necessary to bring the Philadelphia area into attainment. (3)*

RESPONSE: We believe that data presented reasonably demonstrates that with noted local reductions and reduction of transported pollutants, the area will attain the one-hour ozone standard. Current data and predictive capabilities are significantly limited.

COMMENT 4: *The Council opposes any proposal by Pennsylvania to exempt other parts of the Commonwealth from vehicle emission inspection/maintenance requirements because mobile emissions from counties upwind of the Greater Philadelphia area contribute to the region's chronic ozone problems. (3)*

RESPONSE: We understand the Council's position. This SIP revision does not take any action which exempts other parts of the Commonwealth from I/M because it addresses only the five-county Philadelphia area itself.

COMMENT 5: *The plan should contain a more thorough narrative description of mobile source methodologies, such as how information was generated by the model and the source of the underlying data. This documentation, in addition to the detailed summaries of numerical results, will greatly help in reviewing of the plan. (3, 4) The presentation of the mobile source data is difficult to understand., Because of this, the commentator has concerns that emission reduction credits are illusory. (3)*

RESPONSE: Much of the methodology has been presented in past SIP revisions and was referred to in this plan. Pennsylvania uses a computer model to process transportation data. While this contributes to accuracy, it undoubtedly makes it more difficult for readers to understand how reductions were calculated. DEP provides considerable documentation in Appendix III, including numerous summary tables, vehicle emission inspection/maintenance program inputs, sample input and output files. To address the comments in the short term, a short description of methodology has been added to Appendix III. In addition, a section on transportation conformity in the plan has been added which provides additional mobile source information. DEP will also work with EPA to improve its narrative presentation of this information for the Phase I plan to be submitted in late summer 1998 as well as any future submissions involving MOBILE modeling.

COMMENT 6: *The commentator stated that the Commonwealth is behind on its RACT submittals to EPA and that EPA is behind on its approvals of the submittals. The commentator stated that this problem is particularly apparent in regard to utilities. (3, 4)*

RESPONSE: The Department has completed work on the major NOx sources in Pennsylvania. In general, these sources have demonstrated a forty (40) percent emission reduction in NOx emissions from 1990 levels. The remaining RACT applications deal with small sources whose RACT requirement is equipment maintenance. No significant emission reductions are anticipated from these small sources. All sources with completed RACT reviews are required to have demonstrated compliance with the RACT limitations regardless of EPA action. The Department has submitted the completed RACT permits to EPA as revisions to the State Implementation Plan. The commentator is correct that EPA has not completed work on reviewing these SIP revisions. The Department anticipates EPA action to continue for a significant amount of time. However, this lack of EPA action will not impact the emission reductions being achieved by the sources.

The fact that EPA has not acted on most of the RACT SIP submittals does not mean that the emission reductions, which RACT is designed to achieve, have not occurred. Most of the planned emission reductions were secured by May 1995 with some delayed until May 1996. Nevertheless, the Department shares the concern that the plans have not been formally approved and incorporated into the SIP since it does create an unacceptable level of uncertainty for affected facilities, the Department, and the public.

The Department has forwarded to EPA all but one RACT plan for the utility sector in the subject five-county area. That one plan is for USX Powerhouse, a small facility representing little more than 3% of the total utility emissions.

The most significant utility plan on which EPA has not yet acted is for Cromby, the second largest utility source in the area. Cromby represents 18% of the utility emissions. The RACT plan for Cromby was forwarded to EPA as a SIP amendment on 1 August 1995.

The following table lists the status of RACT submittals for the most significant sources in the five-county area:

Facility:	Potential To Emit:	Status:	EPA Action:
Eddystone	23647	To EPA Aug 95	Approved
Cromby	7230	To EPA Aug 95	None
Limerick	3010	To EPA Dec 95	None
USX Power Hse	3003	New Owner '97 - Incomplete	

Falls Sta	1515	Feb 95 Presumptive	N/A
Moser Sta	1515	Feb 95 Presumptive	N/A
Chester Sta	1515	'Feb 95 Presumptive	N/A
Croydon	1296	To EPA Jul 97	None

The remaining utility units in the area not approved by EPA are minor combustion turbines, smaller boilers, and diesel engines.

The lengthy EPA processing period is not limited to the Philadelphia area or utility sector plans. Of the 85 RACT SIP plans forwarded to EPA for the area, only 12, or 15% of the total, have been acted on by EPA. The Commonwealth has rechecked all claimed VOC and NOx RACT reductions in the Phase II Plan to assure that credit is only taken for those sources submitted to EPA as SIP revisions. Following is a table listing submission dates for these sources.

NOx RACT			
Company	**County**	**NEDS ID**	**Date Submitted**
PECO Energy, Cromby	Chester	0023	8/1/95
Transcontinental Pipeline	Chester	0047	8/1/95
Sun Refining & Marketing	Delaware	0025	5/21/96
Philadelphia Baking	Philadelphia	3048	4/16/96
VOC RACT			
Company	**County**	**NEDS ID**	**Date Submitted**
Fasson-Div of Avery	Bucks	0040	6/10/96
PECO Energy - Cromby	Chester	0023	8/1/95
ICI/LNP	Chester	0057	11/15/95
Norwood Industries	Chester	0042	7/2/97
Philadelphia Baking	Philadelphia	3048	4/16/96
Nabisco	Philadelphia	3201	4/16/96
Continental Baking	Philadelphia	5811	4/16/96

COMMENT 7: *The plan fails to give a clear indication of how the conformity requirements of the Clean Air Act are met under this plan. (3,4)*

RESPONSE: The Department agrees that it is difficult to pinpoint a exact figure in the plan which identifies highway emissions for purposes of establishing a transportation conformity budget. This information is now provided only in the appendix. The Department has revised the plan by adding a transportation conformity section which establishes budgets for 1999, 2002 and 2005.

COMMENT 8: *Pennsylvania should submit refined modeling in accordance with EPA's December 29, 1997 guidance once final NOx budgets are established by rulemaking. (4)*

RESPONSE: Pennsylvania, New Jersey, Delaware and Maryland intend to continue modeling the Philadelphia area as necessary, particularly with regard to the 8-hour ozone standard.

COMMENT 9: *It would be useful if the submission would contain additional documentation including how to obtain detailed modeling information, more precise identification of modeled control strategies, what data bases were used, relationship of boundary conditions to OTAG strategies, color tile maps, difference plots for each strategy from the base case, emission sensitivity analysis showing the magnitude of reductions necessary for attainment, committee member lists and references to Appendix V. (4)*

RESPONSE: Additional documentation has been added to the modeling section. Inquiries for specific detailed information regarding the Philadelphia domain modeling efforts should be forwarded to DEP who will, in conjunction with EOSHI, provide necessary information. The volume of data files prohibits their being supplied even as an appendix.

Updating the committee member list requires coordination between several states and a formal amendment procedure with approval. This task will be undertaken during the next round of modeling and protocol development.

COMMENT 10: *The submission should improve explanations of why only two episodes were modeled and how ozone trends provide a compelling weight of evidence argument for attainment. (4)*

RESPONSE: While three episodes were modeled, only two episodes were run for "future" scenarios. These runs were chosen according to the availability of regional (ROM) future base case and control strategy simulations. A complete explanation of episode selection is located on page 9 of the "Ozone SIP Modeling TECHNICAL SUPPORT DOCUMENTATION SUMMARY for the New Jersey - Philadelphia CMSA Area". This document is part of Appendix V.

Wording has been added to Section 4 stating that current trends provide a compelling "weight of evidence" argument that current NOx and VOC controls are leading the area toward attainment.

COMMENT 11: *The submission should include a statement regarding changes in EPA guidance, modeling tools and databases. (4)*

RESPONSE: The suggested statement has been added to Section 5.3.2.

COMMENT 12: *The Rate of Progress Appendix III labels the factors used to calculate the target levels erroneously. There are inconsistencies between this appendix and the target levels as referred to in the body of the plan. There are also inconsistencies between appendix and body of the plan for uncontrolled emissions. (4)*

RESPONSE: Appendix III contains a listing of the data needed to calculate the target level of emissions for 2002 and 2005 in accordance with the *Guidance on the Post-1996 Rate-of-Progress Plan and the Attainment Demonstration* - the relevant EPA guidance on the calculation. In response to this comment, DEP is altering some of the tables to clarify the exact calculation process and to correct any errors or inconsistencies. In response to those inconsistencies noted which were the result of rounding, DEP has edited the plan to provide background data at a precision of ±1%.

COMMENT 13: *Several modifications to tables and charts were suggested to add clarity and to provide information necessary for other programs. In addition, recommendations were made to add information to narrative descriptions contained in the plan. (4)*

RESPONSE: DEP appreciates the suggestions and has added several tables in the plan to provide this information.

COMMENT 14: *There are differences between Appendix III E and Tables 3a/b in point source credit calculations. (4)*

RESPONSE: The relevant table in Appendix III has been updated.

COMMENT 15: *It is unclear how the emission factor was used to determine reductions from Stage II Vapor Recovery was obtained. (4)*

RESPONSE: The section in Appendix III of the plan that describes the Stage II Vapor Recovery program has been updated.

The 1990 emission factor was obtained from AP-42 by combining the emissions factors for Stage II reductions and spillage to determine the total refueling losses. The projected uncontrolled data is based on growth in fuel sales which was determined for the base year from State tax data and projected using VMT as a surrogate. The projected controlled emission factors are now calculated with Mobile5b and consider both the Stage II and the onboard vapor recovery programs. These factors also include spillage losses so they also comprise the total projected controlled refueling losses.

COMMENT 16: *Pennsylvania should detail how the emission reductions from spark-ignition nonroad engines under 25 hp were generated. Pennsylvania should document its sources. EPA's new standards allow these engines to increase NOx by 98 percent; DEP should take this into account. (4)*

RESPONSE: The calculation methodology for emissions reductions for nonroad engines are based on the EPA Environmental Fact Sheet entitled *Summary of EPA's Nonroad Engine Control Programs* (February 1997) - as opposed to the 1994 dated memo cited by the EPA in its comments - and is detailed in Appendix III.

The 32% VOC reduction from Phase I (as opposed to the 59.2% VOC reduction from both phases) was used in calculations because the EPA-provided methodology was much less clear in its discussion of Phase II control application.

As the EPA noted in its comments, the calculation methodology suggested by their guidance document could not be followed precisely because it requires that the inventory be broken down by horsepower rating. Since the EPA mandated use of inventory data provided by the EPA Office of Mobile Sources for the Philadelphia CMSA which does not provide the data in that form, another method was necessary.

To compensate for lack of details in EPA-provided inventories, DEP limited its credit calculation to lawn and garden equipment. The EPA-provided inventory data shows that over 99.9% of the VOC emissions from this category comes from spark-ignition engines. In addition, 98% of the VOC emissions from this category come from sources with an average horsepower rating of less than half of the 25hp limit and the vast majority of equipment averages less than 5hp.

If the extreme conservative assumption is made that the one spark-ignition engine class within the lawn and garden category with an *average* power rating of over 25hp contained *only* engines with an actual power rating of over 25hp, DEP methodology would overpredict reductions by less than half a ton. Assuming credit from Phase I controls on recreational vehicles alone would compensate for this. Contrary to EPA's comment, based on the EPA-provided inventory, DEP continues to believe that full credit for these standards to the entire lawn and garden category would be offset by other small engine inventory categories. DEP fully supports EPA's comment that a more detailed inventory would be useful and encourages the EPA to insure that the new methodology they are developing provide the necessary details.

No adjustments to the NOx inventory were made in response to this program because the EPA-provided guidance document made no indication what the actual changes in NOx emissions would be as a result of Phase I reductions. The commentator suggested a 98% increase in NOx is allowable, yet the document

states that NOx reductions of up to 40% are expected from Phase II of the controls which should be in place prior to 2002. It seems apparent that only a small percentage of the inventory could show increases from Phase I before the reductions from Phase II are in effect. EPA's comment on this issue appears to be inconsistent with their recommendation to assume credit from Phase II controls.

If EPA is able to provide a better methodology for developing the nonroad inventory and applying the controls to small spark-ignition engines, DEP will update these calculations.

COMMENT 17: *Pennsylvania should detail how it derived its estimated percentage reduction from Tier 1 emission levels for nonroad diesel engines over 50 hp. (4)*

RESPONSE: The calculation methodology for emissions reductions for nonroad engines are based on the EPA Environmental Fact Sheet entitled *Summary of EPA's Nonroad Engine Control Programs* (February 1997) - as opposed to the 1994 dated memo cited by the EPA in its comments - and is detailed in Appendix III. This document cites a projected 60% NOx reduction of all compression-ignition (diesel) engines manufactured after 1999.

STD—521 REV. 12-88

PUBLICATIONS AUTHORIZATION AND INVOICE

64/25

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440 N BROAD ST
P O BOX 8527
PHILADELPHIA PA 19101

FEDERAL I.D. NO./SOC. SEC. NO. 23-1717558
Ad #1RQ800200

FROM: (NAME AND ADDRESS OF AGENCY)
VICKIE WALTERS
DEP- AIR QUALITY
400 MARKET ST 12TH FL.
PO BOX 8468
HARRISBURG PA 17105-8468

AGENCY TELEPHONE NO 717-787-9495

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3	2 colomn display ad		

DATES OF INSERTION: JAN 31, FEB 2, FEB 3

SIGNATURE FOR AGENCY: [signature], Asst Sec

You, as vendor, are authorized to publish this advertisement in your newspaper, subject to the terms of this order, as follows: Advertisement to be published in regular advertising columns, no position specified; caption of two lines and signature to be in capitals and subject matter and title of officer to be set solid in type regularly used by your newspaper for public (legal) notice advertising; charge to be made at the rate charged to and paid by commercial advertisers for matter similarly set and occupying similar space; advertisement to be run in the editions specified above. Vendor agrees that, in the performance of any contract awarded to it hereunder, said vendor will not discriminate against any employe or other persons on account of race, color, sex, religious creed, ancestry, age or national origin and that the Commonwealth, upon receipt of satisfactory evidence of such discrimination, shall have the right to cancel said contract. Return this copy at once if you will not accept this advertisement under the terms set forth.

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	DATE OF INSERTION	ACTUAL NO OF PRINTED LINES	COST PER LINE	TOTAL AMOUNT
1st Ad	January 31, 1998	(2 x 72) 144	$11.30	$1,627 20
2nd Ad	February 2, 1998	144	$11.30	1,627 .20
3rd Ad	February 3, 1998	144	$11.30	1,627 20
			GRAND TOTAL →	$4,881 60

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Commonwealth of Pennsylvania
County of Philadelphia

Before me, the subscriber, a Notary Public i... M. Ruchalski
who being duly sworn, doth depose and say that he ...erk
the Philadelphia Inquirer ... N. Broad St.
that the advertisement, of which tearsheet is attac... dvertising columns of said newspaper,
in the editions of said newspaper, in all respects ...at the Commonwealth is not charged
therefor at a rate higher than is charged any ordin... ount of matter occupying similar space
and set in a similar manner, in said newspaper.

Sworn and subscribed before me this ____
day of February

Elaine [signature] NOTARY PUBLIC
NOTA... City of Philade... My Commission ...

Ruchalski
SIGNATURE OF AFFIANT

My commission expires

*This affidavit must be made by the Owner, Publisher, or the desi...

Pennsylvania Department of Environmental Protection

Notice of Public Hearing

Proposed Revision to the State Implementation Plan for Ozone Meeting the Requirements of the Alternative Ozone Attainment Demonstration Policy (Phase I and II).

Ground-level ozone levels above the federal health-based standard are a serious human health threat, and also can cause damage to important food crops, forests, and wildlife. The Commonwealth of Pennsylvania is seeking public comment on the plans required by the Clean Air Act to reduce ozone [illegible] in the Philadelphia ozone [illegible] Chester, Delaware, Montgomery [illegible] volatile organic compounds [illegible] by three percent per year after 1996 until 2005 and to demonstrate that the area will meet the health-based ozone standard.

States may meet these requirements in two phases. The Phase I plan documents reductions from 1996 to 1999 and commits to adopt additional necessary controls. The Phase II plan documents subsequent reductions, describes current air quality monitoring and provides air quality modeling information for the attainment demonstration. It also describes Pennsylvania's efforts to reduce transport of pollution from outside its borders. The Department of Environmental Protection (DEP) proposes to submit these documents to the federal Environmental Protection Agency as a revision of the Pennsylvania State Implementation Plan (SIP) for ozone.

The Department will hold a public hearing to receive comments on both of the proposed SIP revisions. The public hearing will be held at 4 p.m. on March 2, 1998 at the Department of Environmental Protection's office at 555 North Lane, Conshohocken, PA.

Persons wishing to present testimony at the hearing should contact Vickie Walters at 717-787-9495 or at P.O. Box 8468, Harrisburg, PA 17105-8468 [illegible] time to present testimony, you may [illegible] time to testify, you [illegible] testify after pre-registered witnesses. Each witness must keep oral testimony to 10 minutes. Please submit [illegible] written copies of the oral testimony at the hearing. Each organization should designate one witness to present testimony on its behalf.

Persons [illegible] interested in submitting written comments should send the comments to J. Wick Havens, Chief, Division of Air Resource Management, P.O. Box 8468, Harrisburg, PA 17105-8468. Written comments on Phase I must be received by the close of business April 10, 1998. Written comments on Phase II must be received by the close of business March 9, 1998. Copies of the proposed revision may be obtained from Mr. Havens at the above address or by telephone at 717-787-4310 (e-mail: Havens.Wick@A1.dep.state.pa.us). The proposal is also available on the DEP Web site at http://www.dep.state.pa.us (choose Public Participation Center/Proposals Open for Comment).

Persons with a disability who wish to attend the hearing and require an auxiliary aid, service or other accommodation to participate in the proceeding should contact Mr. Havens at the above address or telephone number; or for TDD users, the A[illegible] at 1-800-654-5984 to discuss how the [illegible] can best accommodate their needs.