

# *Connecticut Department of Transportation*

## **OZONE Air Quality Conformity Determination**

**of the  
2007 Regional Transportation Plans and the  
FY 2010-2013 Transportation Improvement Programs  
for the Connecticut portion of  
the New York-Northern New Jersey-Long Island, NY-NJ-CT  
Ozone Nonattainment Area and the Greater Connecticut Ozone Nonattainment  
Area**



January 2011

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Note: The Connecticut portion of the New York-Northern New Jersey-Long Island Non-Attainment area (Fairfield, New Haven and Middlesex counties) and the Greater Connecticut Non-Attainment area (Hartford, New London, Tolland, Windham and Litchfield counties) have been designated as Moderate Non-Attainment areas. This document includes the documentation of the regional analysis for both nonattainment areas within the State of Connecticut, as well as documentation and information on the processes and procedures undertaken by Connecticut Department of Transportation, coordinator of Air Quality Conformity for the Connecticut Regional Planning Organizations.

## INTRODUCTION

This document was prepared to include the following project in the Air Quality Conformity Report for Fiscal Year 2010-2013, originally dated September 2009. The inclusion of the following project necessitated the submission of this document:

- Project # 0092-0614 Conversion of Route 34 from Expressway to At-Grade Boulevard between I-95 and Park Street.

The above project was incorporated into the travel model network commencing in model year 2015 forward. The highway networks were rebuilt and model years were rerun, along with accompanying VMT and Mobile 6.2 emissions model. The results of these runs show a decrease in emissions in the affected area and therefore the transportation program and plan continue to conform to the State Implementation Plan (SIP).

The report is submitted to satisfy the requirements of the SIP, as revised.

On November 15, 1990, the Clean Air Act Amendments (CAAA) of 1990 were signed into law. On August 15, 1997, the Environmental Protection Agency (EPA) published the Final Conformity Rule. Effective February 17, 2004, EPA approved a revision to the Connecticut SIP for the attainment and maintenance of the one-hour National Ambient Air Quality Standard (NAAQS) for ground level ozone.<sup>1</sup> Emissions budgets for the 2007 Volatile Organic Compounds (VOC) & Nitrogen Oxides (NOX) motor vehicle emissions

were calculated using MOBILE6.2 for the Connecticut portion of the New York-Northern New Jersey-Long Island nonattainment area and the 2007 motor vehicle emissions budgets (MVEBs) for the Greater Connecticut non-attainment area. Procedures and criteria contained in that document provided the basis for this Conformity determination. Implementation of these rules has been accomplished through a cooperative effort of the Regional Planning Organizations (RPOs), EPA, Federal Transit Administration (FTA), Federal Highway Administration (FHWA), Connecticut Department of Transportation (CTDOT) and the Connecticut Department of Environmental Protection (CTDEP). Until superceded by an updated emissions model, all future transportation conformity analysis will be required to demonstrate compliance with MOBILE6.2 budgets.

In June of 2004, EPA finalized eight-hour conformity rules for ozone non-attainment areas in Connecticut, which became effective in June of 2005. These areas were designated as 'moderate' non-attainment for the eight-hour standard: the Connecticut portion of the New York-Northern New Jersey-Long Island eight-hour ozone non-attainment area, consisting of Fairfield, New Haven and Middlesex counties and the Greater Connecticut eight-hour ozone non-attainment area, consisting of Hartford, Litchfield, New London, Tolland and Windham counties. Emissions are now tested against new eight-hour budgets, which were developed jointly by CTDEP and CTDOT, and found adequate by EPA on June 27, 2008.

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<sup>1</sup> 40CFR Part 52

The 2009 MVEBs established in 2008 for each of Connecticut's non-attainment areas represented CTDEP's planning estimate at that time of the level of motor vehicle emissions that would be necessary to produce timely attainment of the 1997 8-hour ozone NAAQS. The appropriateness of the 2009 MVEBs was confirmed by actual monitored 2009 design values, which demonstrated that both nonattainment areas had achieved timely attainment of the NAAQS.

On August 23, 2010, CTDEP requested EPA to retain the 2009 MVEBs as adequate ozone precursor budgets for future transportation conformity determinations and for EPA to withdraw the adequacy determination for the 2012 MVEBs, which were set at lower emission levels in case attainment was not achieved by 2009. On December 30, 2010 EPA informed CTDEP that it was withdrawing its previous adequacy finding on the 2012 out year MVEBs contained in Connecticut's 8-hour ozone attainment demonstration SIP. Therefore, as the 2009 MVEBs are adequate ozone precursor budgets, this Air Quality Conformity analysis will compare future year emissions to this base. This budget change will become effective 15 days after EPA's publication of such announcement in the Federal Register.

MOBILE6.2 calculates emission factors based on a wider variety of parameters than the previous MOBILE5b emissions model. These parameters include vehicle type and age, model year; travel speed; roadway type; ambient temperature and humidity; fuel type, and applicable control measures such as reformulated gasoline (RFG) and inspection and maintenance (I/M). Local inputs were cooperatively developed by CTDEP and

CTDOT where applicable using EPA recommended methods.<sup>2</sup>

## **VEHICLE EMISSIONS**

### **Ozone**

Ground level ozone is a major component of smog. It is formed by sunlight and heat acting upon fuel combustion products such as nitrogen oxides and hydrocarbons.

Ozone occurs naturally in the upper atmosphere and shields the earth from ultraviolet radiation. However, at ground level, ozone is a severe irritant. Because ozone formation is directly related to atmospheric temperatures, problematic ozone levels occur most frequently on hot summer afternoons.

Ozone exposure is linked to respiratory illnesses such as asthma and lung inflammation and can exacerbate existing respiratory ailments. Ozone pollution can also severely damage vegetation, including agricultural crops and forest habitats.

### **Nitrogen Oxides (NOX)**

Mobile source nitrogen oxides form when nitrogen and oxygen atoms chemically react inside the high pressure and temperature conditions in an engine. Nitrogen oxides are precursors for ozone and can also contribute to the formation of acidic rain.

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<sup>2</sup> Technical Guidance on the Use of MOBILE6 for Emission Inventory Preparation; U.S. EPA; January 2002.

## **Hydrocarbons or Volatile Organic Compounds (VOC)**

Hydrocarbon emissions are a product of partial fuel combustion, fuel evaporation and refueling losses caused by spillage and vapor leakage. VOC reacts with nitrogen oxides and sunlight to form ozone.

## **Carbon Monoxide (CO)**

Carbon monoxide is produced by the incomplete burning of carbon in fuels, including gasoline. High concentrations of CO occur along roadsides in heavy traffic, particularly at major intersections and in enclosed areas such as garages and poorly ventilated tunnels. Peak concentrations occur during the colder months of the year when CO vehicular emissions are greater.

## **Ozone Non-Attainment Areas**

In July 1997, EPA announced a new eight-hour standard for ozone emissions. This new standard is more stringent than the previous one-hour standard; it requires that the average eight-hour ozone level be no greater than 0.08 parts per million (ppm). The one-hour standard specified an ozone level no greater than 0.12 ppm for one hour.

Under the one-hour standard, the state had two non-attainment areas. Fairfield County, minus Shelton, plus New Milford and Bridgewater was designated as a severe non-attainment area. The rest of the state was designated to be in serious non-attainment. As previously discussed, these non-attainment areas have changed under the eight-hour standard. The Connecticut portion of the New York-Northern New Jersey-Long

Island Non-Attainment area (Fairfield, New Haven and Middlesex counties) has been designated a Moderate Non-Attainment area, while the Greater Connecticut area (Hartford, New London, Tolland, Windham and Litchfield counties) has also been designated as a Moderate Non-Attainment area. Figure 1 below shows the two Moderate Non-Attainment areas in Connecticut.

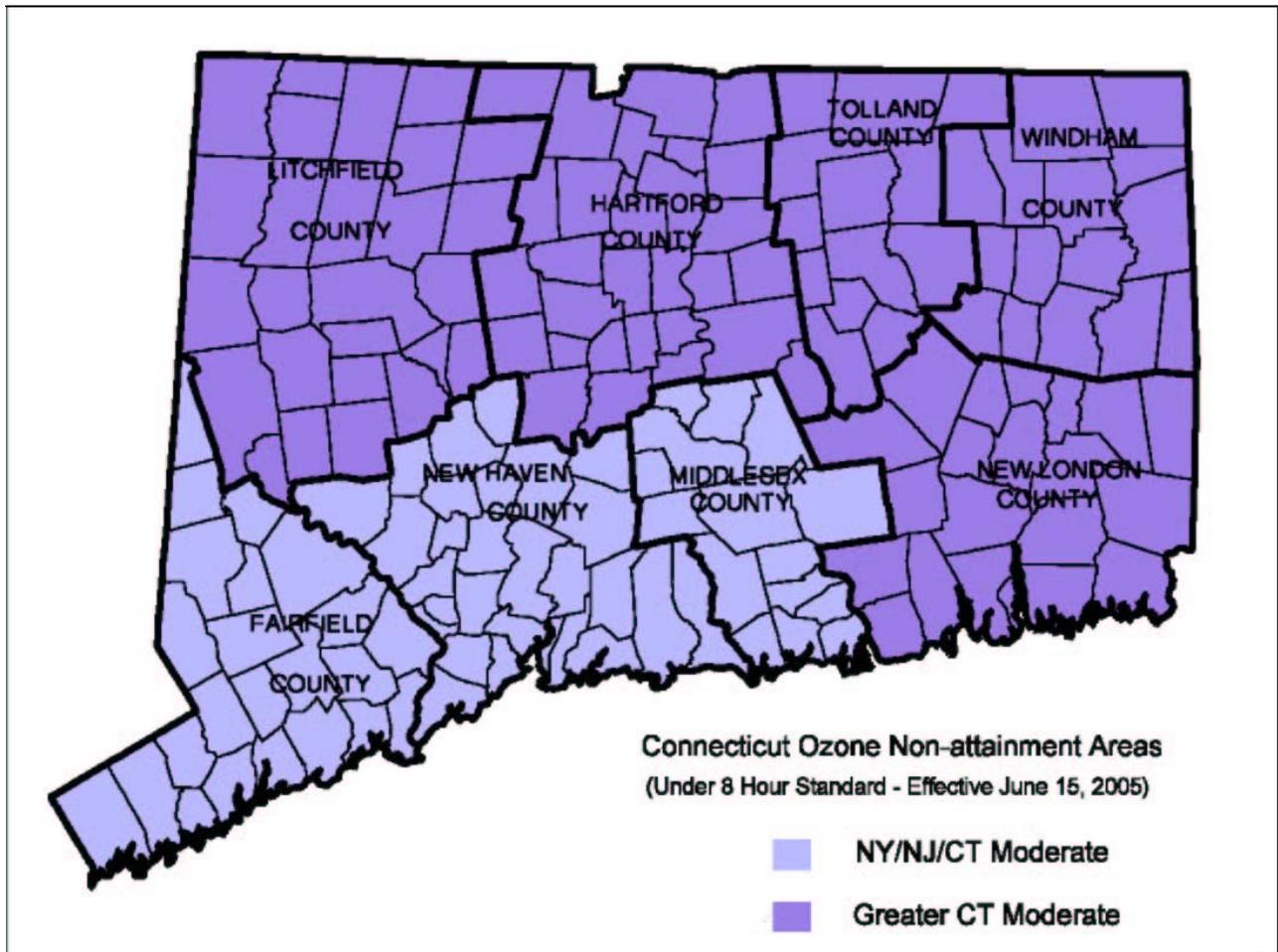


Figure 1: Connecticut Ozone Non-attainment Areas

## CO Non-Attainment Areas

There were formerly three CO non-attainment areas in the state. These were the Southwest portion of the state, the greater New Haven area, and the greater Hartford area. The remainder of the state was in attainment for CO. Attainment was demonstrated in each of these areas and, subsequently, they were designated as Full Maintenance areas. On September 13, 2004, EPA approved a CTDEP submittal for a SIP revision for re-designation of these areas to Limited Maintenance Plan status, thus eliminating the need for budget testing. In the future, “hot-spot” carbon monoxide analyses will be performed to satisfy “project level” conformity determinations.

## Conformity Tests

Under the Conformity Rules, the following test for VOC/NOX must be met:

- TEST 1  
For VOC and NOX, transportation emissions from the Action Scenarios must be less than the 2009 transportation emission budgets if analysis year is 2009 or later.

As the CO areas have been approved by EPA for Limited Maintenance Plan status, no tests for CO have to be made.

The **ACTION SCENARIO** is the future transportation system that will result from full implementation of the Transportation Improvement Programs (TIP) and Long Range Transportation Plans (LRTP).

**VOC/NOX** emission analysis was conducted for summer conditions and for the following years:

- 2009 (eight-hour MVEB year)
- 2015 (near term analysis year)
- 2025 (interim modeling year)
- 2035 (Long Range Transportation Plan horizon year)

At this time, the following eight-hour emission budgets have been approved by EPA for use in this conformity analysis:

1. In 2009 and subsequent years, VOC in the Connecticut portion of the New York-Northern New Jersey-Long Island Moderate Non-Attainment area must be less than 27.4 tons per day.
2. In 2009 and subsequent years, NO<sub>x</sub> in the Connecticut portion of the New York-Northern New Jersey-Long Island Moderate Non-Attainment area must be less than 54.6 tons per day.
3. In 2009 and subsequent years, VOC in the Greater Connecticut Moderate Non-Attainment area must be less than 26.3 tons per day.
4. In 2009 and subsequent years, NO<sub>x</sub> in the Greater Connecticut Moderate Non-Attainment area must be less than 49.2 tons per day.

## **INTERAGENCY CONSULTATION**

An Interagency Consultation Meeting was held on January 25, 2011 to address the need to prepare an Air Quality Determination Analysis for this project. All Metropolitan Planning Organizations (MPO's), rural RPAs, FHWA, FTA, EPA, and CTDEP were invited to review and comment on the project's Air Quality coding, analysis years to be modeled, and comments on the latest planning assumptions to be utilized for this conformity.

It was agreed at the Interagency Consultation Meeting that the 2005 vehicle registration data file would be adequate for this Conformity Determination, as the vehicle registration data file was not available for use in the air quality emissions model until July 2007.

A copy of the Interagency Consultation conference call minutes is included in Appendix A. The final emissions analysis was prepared and the report was distributed for the 30 day public comment period.

## **PUBLIC CONSULTATION**

As required by the Final Rule, the transportation conformity process must include public consultation on the emissions analysis and conformity determination for Ozone determinations. This includes posting of relevant documentation and analysis on a “clearinghouse” webpage maintained through the interagency consultation process. All MPOs in the Connecticut Ozone nonattainment area must provide thirty day public comment periods and address any comments received. For this Ozone transportation conformity determination, all Connecticut MPOs will hold a thirty day public comment period.

## **VMT and EMISSIONS ESTIMATES**

VMT estimates were developed from CTDOT's statewide network-based travel model. The 2009 travel model network, to the extent practical, represents all state highways

and major connecting non-state streets and roads, as well as the rail, local bus, and express bus systems that currently exist. Future highway networks for 2015, and 2020 and transit networks for 2015, 2020 and 2030 were built by adding Statewide Transportation Improvement Program (STIP), TIP and LRTP projects (programmed for opening after 2009) to the 2009 network. These networks were used to run travel models and conduct emissions analysis for the years 2015, 2025, and 2035. Projects for each model analysis year for which network changes were required are shown on Table 1 as follows:

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2012 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>HOUSATONIC VALLEY</u></b>			
0034-0260 US 7 DANBURY RECONSTRUCTION	From Stars Plain Rd. to 0.4 mile south of Wooster Heights Rd. Phase 2- project with 0034-315 for modeling BID 10-09-07, CCD 11-18-11, TIP.	1/1	2/2
0034-0308 I-84 DANBURY, NEWTOWN SOUTHBURY	Interchange 5 and 11 Long Range Plan CCD 2011	3/3 2/2	4/4 3/3
0034-0313 I-84 DANBURY, NEWTOWN SOUTHBURY	Interchanges 6 Long Range Plan CCD 2012	3/3	4/4
0034-0330 I-84 DANBURY OPERATIONAL LANE	Operational lanes on I-84 EB/WB between Exit 1 and Exit 2 CCD 8-1-11, TIP	3/3	4/4
<b><u>SOUTH CENTRAL</u></b>			
0092-0618 I-95 NEW HAVEN BRIDGE REPLACEMENT	Brkout "Q" Brg Project 0092-0531, Construction NB Approach and River Piers. 9-21-2011, TIP		VARIES .
0092-0619 I-95 NEW HAVEN UPGRADE EXPRESSWAY	Breakout of Project No.0092-0531, the reconstruction of the I-91/I-95/Route 34 interchange Associated with Q-Bridge Replacement. CCD 11-30-11, TIP.	3/3	5/5
0098-0093 ROUTE 22 / 80 NORTH BRANFORD MAJOR WIDENING	Just east of Tilcon RR bridge to easterly leg of Route 22. BID 05-04-06, CCD 11-1-12, TIP.	1/1	2/2

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

**2012 NETWORK CHANGES**

<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>
<b>PROJECT NO.</b>		<b>FROM TO</b>
<b>HIGHWAY NAME</b>		
<b>TOWN</b>		
<b>IMPROVEMENT</b>		

**SOUTH WESTERN**

0135-XXXX	Phase I from State and Elm Street to the Stamford Train Station.	Varies 3/3
STAMFORD TRANSITWAY	Phase II from East Main Street (RT 1) to Elm Street. Two HOV lanes	
STAMFORD	plus four lanes. Estimated CCD 12-1-2012. Long Range Plan	
WIDENING/HOV		

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2015 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>CAPITOL</u></b>			
0063-XXXX I84/FLATBUSH AVE. HARTFORD INTERCHANGE	Rebuild interchange from half to full. Long Range Plan. EST CCD 3-30-2014		N/A
0076-0193 I-84 MANCHESTER OPERATIONAL LANE	Construct eastbound operational lane between Exits 63 and 64/65. BID 08-27-08, CCD 1-1-2013, TIP.	3/3	4/3
0155-0156 WEST HARTFORD I-84 OPERATIONAL LANES	Operational Lanes between Exits 40 & 42 CCD 12-1-2015	3/3	4/4
0171-0305 NEW BRITAIN- HARTFORD BUSWAY	From New Britain to Hartford, District 1 funding Hartford and New Britain. TIP CCD 12-31-13		N/A
<b><u>CENTRAL CONNECTICUT</u></b>			
0088-0160 HART STREET NEW BRITAIN NEW ROAD	Extension from South Main Street to Arch Street. Congressional earmark Est. Completion After 1-1-2013, TIP.	0	2/2
0171-0305 NEW BRITAIN- HARTFORD BUSWAY	From New Britain to Hartford, District 1 funding Hartford and New Britain. Long Range Plan CCD 12-31-13		N/A

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

		<b><u>2015 NETWORK CHANGES</u></b>		
<b>REGION</b>	<b>PROJECT NO.</b>	<b>DESCRIPTION</b>	<b>LANES FROM TO</b>	
<b>HIGHWAY NAME</b>	<b>TOWN</b>			
<b>IMPROVEMENT</b>				
<b><u>CENTRAL NAUGATUCK</u></b>				
0151-0273		Reconstruct Expressway and Operational Improvements including Interchanges. Hamiton Ave. to opposite Pierpoint	2/2	3/3
I-84		BID 02-22-06, CCD 1-1-2015, TIP.		
WATERBURY				
UPGRADE EXPRESSWAY				
0151-0296		Homer St. / Chase Ave	1/1	2/2
WATERBURY		Waterville St. to Nottingham Terrace		
WIDENING		Long Range Plan CCD 1-9-2013		
0151-0297		Chase Ave.	1/1	2/2
WATERBURY		Nottingham Terrace to North Main Street		
WIDENING		Long Range Plan CCD 1-12-2013		
<b><u>SOUTH CENTRAL</u></b>				
0014-XXXX		West Main St to Leetes Island Rd.	2/2	2/3
RTE 1		East Haven Town Line to Alps Mt. Rd		
BRANFORD		Rte 146 to Cedar St		
WIDENING		Long Range Plan		
0092-0532		Q Bridge Replacement and demolition;	3/3	5/5
I-95		Contract 'B'		
NEW HAVEN		CCD 6-30-15, TIP.		
BRIDGE REPLACEMENT				
0092-0614		Conversion of Route 34 from an above expressway to an	4/4	3/3
Route 34		at grade arterial. Overall main lane and frontage road lane		
NEW HAVEN		will be reduced by one lane each direction		
ROAD CONVERSION				
0092-0532		Q Bridge Replacement and demolition;	3/3	5/5
I-95		Contract 'B'		
NEW HAVEN		CCD 6-30-15, TIP.		
BRIDGE REPLACEMENT				
0156-XXXX		New Rail Station in West Haven / Orange.	NA	
METRO NORTH		Long Range Plan.		
WEST HAVEN/ORANGE		Est. 1-1-2013.		

NEW RAIL STATION

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b>REGION</b>	<b>PROJECT NO.</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>HIGHWAY NAME</b>			<b>FROM</b>	<b>TO</b>
<b>TOWN</b>				
<b>IMPROVEMENT</b>				
<b><u>SOUTHEASTERN</u></b>				
0055-XXXX		From the four lane section of Rt 2A to	1/1	2/2
ROUTE 2A		Rt 12. Long Range Plan CCD 2015		
MONTVILLE, PRESTON				
BRIDGE WIDENING				
0170-XXXX		From the present terminus of Rt. 11 to the I-95/	0	2/2
RT 11		I-395 interchange. Congressional earmark for design		
SALEM, EAST LYME		Long Range Plan. CCD 2015		
NEW ARTERIAL				
(EXPRESSWAY)				
0170-XXXX		From touchdown of the Rt 2a Bypass to	1/1	2/2
ROUTE 2		the existing four lane section of Rt 2 in		
PRESTON, LEDYARD,		North Stonington; STC project in Ledyard		
NORTH STONINGTON		will be four lanes. Long Range Plan		
<b><u>WINDHAM</u></b>				
0077-0215		Extension of existing Hillside Road to Route 44.	0	1/1
HILLSIDE ROAD		Congressional earmark,		
MANSFIELD		Estimated before 2014, TIP.		
NEW ROAD				

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2020 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>CAPITOL</u></b>			
0051-XXXX RT 4 FARMINGTON ADD LANE	Add EB Lane in Farmington Center. Long Range Plan.	1/1	2/1
0051-0259 I84/RT4/RT6 FARMINGTON INTERCHANGE BUSWAY	Interchange improvements at Routes 4, 6, and 9 including a new EB C/D Roadway BID 12-31-08, 1-1-2018, TIP.	N/A	
<b><u>CENTRAL CONNECTICUT</u></b>			
0109-XXXX PLAINVILLE ADD LANE	New Britain Ave. Cooke St. to Hooker St. Long Range Plan.	1/1	2/2
<b><u>CENTRAL NAUGATUCK VALLEY</u></b>			
0170-XXXX I-84 WATERBURY-WEST ADD LANES	0174-H152 is the EIS for widening From Highland Ave in Waterbury (Int. 18) to the Southbury/Newtown Town Line, Long Range Plan.	2/2	3/3
<b><u>GREATER BRIDGEPORT</u></b>			
0015-0288 SEAVIEW AVE BRIDGEPORT MAJOR WIDENING	From I-95 interchange to Route 1	1/1	2/2
0051-XXXX ROUTE 8/25 BRIDGEPORT INT MODIFICATION	Modify the approach to I-95 by closing the on ramp from Washington Ave. and off ramp to Myrtle Ave. Long Range Plan	N/A	

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2020 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>GREATER BRIDGEPORT (CONT'D)</u></b>			
0084-XXXX Route 111 MONROE MAJOR WIDENING	Purdy Hill Road to Cross Hill Road. Long Range Plan.	1/1	2/2
0138-XXXX I-95 STRATFORD INT MODIFICATION	Consolidate Interchange 31 and Interchange 32. Long Range Plan.	NA	
0138-XXXX I-95 STRATFORD	Convert Interchange 33 to a full interchange. Project No. 138-223 is a study to assess the impact. The modification is in the region's Long Range Plan.	N/A	
0144-XXXX ROUTE 25 TRUMBULL, MONROE WIDENING	From end of expressway Rt. 25 to Newtown TL; project continues past TL. Long Range Plan.	1/1	2/2
0144-XXXX ROUTE 25 TRUMBULL INTERSECTION	Construct Partial Interchange at Whitney Ave.; Long range Plan.	NA	
0144-XXXX ROUTE 8 TRUMBULL WIDENING	Widen NB Mainline from the split with Route 25 to vicinity of Interchange 7. Long Range Plan.	2/2	3/3
<b><u>HOUSATONIC VALLEY</u></b>			
0018-XXXX US 202 BROOKFIELD WIDENING	South of Old State Road to Rt. 133. Long Range Plan.	1/1	2/2
0034-H036 SR 806 DANBURY MAJOR WIDENING	From Byron St. in Danbury to Plumtrees St. in Danbury; Long Range Plan.	1/1	2/2

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2020 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>HOUSATONIC VALLEY (CONT'D)</u></b>			
0034-0288	From Kenosia Avenue easterly to	1/1	2/2
ROUTE 6	I-84 (Exit 4)		
DANBURY	Long Range Plan		
ADD LANES			
0034-XXXX	Between Interchanges 3 and 4.	3/3	4/4
I-84	Between Interchanges 12 and 13		
DANBURY,NEWTOWN	Long Range Plan		
SOUTHBURY			
0034-XXXX	From Route 53(Main Street) to northerly to	1/1	2/2
ROUTE 37	I-84 (Exit 6)		
DANBURY	Long Range Plan		
ADD LANES			
0034-XXXX	From Route I-84 (Exit 6) Northerly	1/1	2/2
ROUTE 37	to Jeanette Street		
DANBURY	Long Range Plan		
ADD LANES			
0034-XXXX	From I-84 (Exit 2) East to	1/1	2/2
ROUTE 6	Kenosia Avenue		
DANBURY	Long Range Plan		
ADD LANES			
0034-XXXX	Widen Kenosia Ave from Backus Avenue to	1/1	2/2
DANBURY	Vicinity of Lake Kenosia		
ADD LANES	Long Range Plan		
0034-XXXX	Widen Backus Avenue from	1/1	2/2
DANBURY	Kenosia Ave to Miry Brook Road		
ADD LANES	Long Range Plan		
0034-XXXX	From South Street northerly to Boughton Street;	1/1	2/2
ROUTE 53	Long Range Plan.		
DANBURY			
ADD LANES			
0096-XXXX	New Road across Old Fairfield Hills Hospital Campus,	0/0	1/1
NEWTOWN	From Route 6 South to Route 860		
NEW ROAD	Long Range Plan		
WIDENING			

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2020 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>MIDSTATE</u></b>			
0112-XXXX ROUTE 66 PORTLAND	From Sand Hill Road to east of the Riverside Motel (East of Middle Haddam Road) Long Range Plan	1/1	2/2
<b><u>SOUTH CENTRAL</u></b>			
0014-XXXX I-95 BRANFORD,GUILFORD MADISON WIDENING	Cedar Street Branford to Rt. 79 in Madison (EAST SHORE). Long Range Plan.	2/2	3/3
0014-XXXX RTE 1 BRANFORD WIDENING	Widening of East Haven TL to I-95 Exit 55 Cedar St to East Main Long Range Plan.	Varies	Varies
0059-XXXX RTE 1 GUILFORD WIDENING	State Street to Tanner Marsh Rd. Long Range Plan.	1/1	1/2
0061-XXXX US 5 HAMDEN,NO.HAVEN WIDENING	Olds St (Hamden) to Sackett Point Rd. Long Range Plan.	1/1	2/2
0061-XXXX RTE 10 HAMDEN WIDENING	Washington Ave. to Cheshire TL Long Range Plan	1/1 Varies	2/3
0079-XXXX I-691 MERIDEN INT IMPROVEMENT	Add new WB access at Chamberlain Highway (Rt. 71). Long Range Plan.	NA	
0079-XXXX RTE 5 MERIDEN WIDENING	Wallingford TL to Olive St (Rt. 71). Long Range Plan	1/1	2/2

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2020 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>SOUTH CENTRAL (CONT'D)</u></b>			
0083-XXXX RTE 162 MILFORD WIDENING	From West of Old Gate Lane to Gulf St. Clark St. to US 1 Long Range Plan.	1/1	1/2
0092-0531 I-95 NEW HAVEN UPGRADE EXPRESSWAY	Reconstruction of I-95/I91/Rte 34 Interchange Associated with Q-Bridge Replacement. CCD 11-30-16, TIP.	Varies	
0092-0622 I-95 NEW HAVEN UPGRADE EXPRESSWAY	Contract E3 involves the construction of a two-lane connection between I-95 SB and I-91 NB. Associated with Q-Bridge Replacement. Breakout of Project 0092-0531 CCD 11-30-16, TIP.	1/1	2/2
0092-0627 I-95 NEW HAVEN BRIDGE REPLACEMENT	Reconstruction of I-95/I91/Rte 34 Interchange Associated with Q-Bridge Replacement. 92-531 Breakout of Project 0092-0531 CCD 11-30-16, TIP.	3/3	5/5
0092-XXXX RTE 69 NEW HAVEN, WOODBRIDGE WIDENING	From Rte 63 to Landin St Long Range Plan.	1/1	2/2
0092-XXXX RTE 63 NEW HAVEN, WOODBRIDGE WIDENING	From Dayton St (NH) to Landin St (Wdbg) Long Range Plan.	1/2	2/3
0092-XXXX NEW HAVEN	Long Wharf access Plan Widen I-95(in separate project), Eliminate Long Wharf Drive to expand park, add new road from Long Wharf Drive Long Range Plan	Varies	

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2020 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>SOUTH CENTRAL (CONT'D)</u></b>			
0098-XXXX RTE 80 NO. BRANFORD WIDENING	From East Haven TL to Doral Farms Rd Rte 22 to Guilford TL Long Range Plan	1/1	1/2
0106-XXXX RTE 162 ORANGE WIDENING	From West Haven TL to US 1 Long Range Plan	1/1	2/2
0148-XXXX RTE 150 WALLINGFORD WIDENING	From Rte 71 overpass South of Old Colony Rd to Rte 68 Long Range Plan	1/1	1/2
0148-XXXX US 5 WALLINGFORD WIDENING	From South Orchard St. to Ward St. Christian Rd. to Meriden TL Long Range Plan	1/1	2/2
0156-XXXX RTE 1 WEST HAVEN WIDENING	Campbell Ave to Orange TL Long Range Plan.	2/2	2/3
0156-XXXX RTE 122 WEST HAVEN WIDENING	US 1 to Elm St Long Range Plan.	1/1	2/2
0156-XXXX RTE 162 WEST HAVEN WIDENING	Elm St to Greta St. Long Range Plan.	2/2	3/3
0156-XXXX RTE 162 WEST HAVEN WIDENING	Bull Hill Ln to Orange TL Long Range Plan.	1/1	2/2

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2020 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>SOUTHEASTERN</u></b>			
0152-XXXX ROUTE 85 WATERFORD WIDENING	From Harvey Ave. to Jefferson Ave. Long Range Plan.	1/1	2/2
0152-0143 I-95 WATERFORD INTERCHANGE MODIFICATION	Installation of access/egress ramps connecting a proposed frontage road. Long Range Pan	0	2/2
<b><u>SOUTH WESTERN</u></b>			
0035-XXXX I-95 DARIEN/STAMFORD WIDENING	Add Lane from Stamford Exit 8 to Darien Exit 10 Operational Lane Long Range Plan	3/3	4/4
0102-0312 US 7/RT 15 NORWALK UPGRADE EXPRESSWAY	Reconstruction of Interchange 40 Merritt Parkway, and US 7(Main Ave.). Breakout of 0102-0269,PHASE 1, CCD 1/1/2016 TIP	NA	
0102-0269 US 7/RT 15 NORWALK UPGRADE EXPRESSWAY.	Upgrade to full interchange at Merritt Parkway (Rt. 15). BID 01-09-08, CCD 1-1-2016, TIP.	NA	
0102-0278 I-95 NORWALK WIDENING	From Route 7 expressway interchange (Exit 15) to Exit 14. Long Range Plan.	3/3	4/4
0102-XXXX NORWALK, GREENWICH BRT	Express Bus/BRT between Norwalk and Greenwich Long Range Plan	NA	
0135-XXXX ROUTE 1 STAMFORD WIDENING	Widen Route 1 to a uniform four lanes within Stamford. Long Range Plan	Varies	2/2

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2020 NETWORK CHANGES</u></b>			
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NO.</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b><u>VALLEY</u></b>			
0002-XXXX ROUTE 8 ANSONIA INTERCHANGE	Interchange 18 - Construct New NB entrance ramp. Long Range Plan		NA
0036-XXXX ROUTE 8 DERBY INTERCHANGE	Rt. 8 Interchange 16 and 17; Construct new NB ramps. Close old ramps. Long Range Plan.		NA
0036-XXXX ROUTE 34 DERBY MAJOR WIDENING	Main Street Derby from Elizabeth Street to Route 115; widen with new retaining walls; Long Range Plan.	1/1	2/2
0124-XXXX ROUTE 8 SEYMOUR INTERCHANGE	Between Interchange 22 and 23; improve access. Long Range Plan.		NA
0124-XXXX ROUTE 67 SEYMOUR MAJOR WIDENING	Bank Street from West Street to North Main St Long Range Plan.	1/1	2/2
0124-XXXX ROUTE 8 SEYMOUR INTERCHANGE	Realign interchange with new extension of Derby Road. Long Range Plan.		NA
0126-XXXX ROUTE 714 SHELTON MAJOR WIDENING	Between Huntington Ave. and Constitution Boulevard Long Range Plan.	1/1	2/2
0126-XXXX ROUTE 8 SHELTON INTERCHANGE	Interchange 14 - Construct new SB entrance ramp, Long Range Plan.		NA
0126-XXXX ROUTE 8 SHELTON INTERCHANGE	Interchange 11 - Construct new SB entrance ramp, Widen Bridgeport Ave. Long Range Plan.		NA

**TABLE 1: LIST OF NETWORK CHANGES (Cont'd.)**

<b><u>2030 NETWORK CHANGES</u></b>		
<b>REGION</b>	<b>DESCRIPTION</b>	<b>LANES</b>
<b>PROJECT NO.</b>		<b>FROM TO</b>
<b>HIGHWAY NAME</b>		
<b>TOWN</b>		
<b>IMPROVEMENT</b>		

**CAPITOL**

VARIOUS TOWNS NEW COMMUTER RAIL	New Haven/Hartford/Springfield Rail Service Governors Transportation Initiative Long Range Plan	NA
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**CENTRAL CONNECTICUT**

VARIOUS TOWNS NEW COMMUTER RAIL	New Haven/Hartford/Springfield Rail Service Governors Transportation Initiative Long Range Plan	NA
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**SOUTH CENTRAL**

VARIOUS TOWNS NEW COMMUTER RAIL	New Haven/Hartford/Springfield Rail Service Governors Transportation Initiative Long Range Plan	NA
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**2035 NETWORK CHANGES**

No Changes from 2030 Network

In addition, the travel model incorporates the effect of the Employer Commute Options (ECO) Program in Southwest Connecticut (part of the Connecticut Portion of the NY-NJ-LI Moderate Non-Attainment area). In response to federal legislation, Connecticut has restructured the ECO Program to emphasize voluntary participation, combined with positive incentives, to encourage employees to rideshare, use transit, and continue to expand their trip reduction activities. This program has been made available to all employers. It is felt that this process is an effective means of achieving Connecticut's clean air targets. Funding for this effort under the Congestion Management Air Quality (CMAQ) Program is included in the TIP for FY 2010/13. It is estimated that this program, if fully successful, could reduce Vehicle Miles of Travel (VMT) and mobile source VOC emissions by two percent in Southwestern Connecticut.

It should be noted that TIP and LRTP projects which have negligible impact on trip distribution and/or highway capacity have not been incorporated into the network. These include, but are not limited to, geometric improvements of existing interchanges, short sections of climbing lanes, intersection improvements, transit projects dealing with equipment for existing facilities and vehicles, and transit operating assistance. Essentially, those projects that do not impact the travel demand forecasts are not included in the networks and/or analysis.

The network-based travel model used for this analysis is the model that CTDOT utilizes for transportation planning, programming and design requirements. This travel demand model uses demographic and land use assumptions which are based on population projections for Connecticut, which were updated in the Fall of 2007 State Data Center employment

projections and utilize 2000 Census data, and population projections developed jointly by CTDOT and Connecticut's 15 RPOs in 2001.

The model uses a constrained equilibrium approach to allocate trips among links. The model was calibrated using 2007 ground counts and 2007 Highway Performance Monitoring System (HPMS) Vehicle Miles of Travel data, as well as data contained in the 1990 National Personal Transportation Survey as supplemented in Connecticut.

Peak hour directional traffic volumes were estimated as a percentage of the ADT on a link by link basis. Based on automatic traffic recorder data, 9.0 percent, 8.5 percent, 8.0 percent and 7.5 percent of the Average Daily Traffic (ADT) occurs during the four highest hours of the day. A 55:45 directional split was assumed. Hourly volumes were then converted to Service Flow Levels (SFL) and Volume to Capacity (V/C) ratios calculated as follows:

- $SFL = DHV/PHF*N$
- $VC = SFL / C$

where:

- DHV = Directional Hourly Volume
- PHF = Peak Hour Factor = .9
- N = Number of lanes
- C = Capacity of lane

Peak period speeds were estimated from the 2000 Highway Capacity Manual based on the

design speed, facility class, area type and the calculated V/C ratio. On the expressway system, Connecticut-based free flow speed data was available. This data was deemed more appropriate and superceded the capacity manual speed values. The expressway free flow speeds were updated in 2005.

For the off-peak hours, traffic volume is not the controlling factor for vehicle speed. Off-peak link speeds were based on the Highway Capacity Manual free flow speeds as a function of facility class and area type. As before, Connecticut-based speed data was substituted for expressway facilities and was updated in 2005.

Two special cases exist in the modeling process: centroid connectors and intrazonal trips.

Centroid connectors represent the local roads used to gain access to the model network from centers of activity in each traffic analysis zone (TAZ). A speed of 25 mph is assumed for these links.

Intrazonal trips are trips that are too short to get on to the model network. VMT for intrazonal trips is calculated based on the size of each individual TAZ. A speed of 20 to 24 mph is assumed for the peak period and 25 to 29 mph for the off-peak period.

The Daily Vehicle Miles of Travel (DVMT) is calculated using a methodology based on disaggregate speed, converted to summer and winter VMTs, and summarized by non-attainment area, functional class, and speed. The VMT and speed profiles developed by this process are then combined with the emission factors from the **MOBILE6.2** model to

produce emission estimates for each scenario and time frame. VMT data, as well as the **MOBILE6.2** input and output, may be found in the Appendix.

The following table shows the 2009 through 2035 DVMT, Action Emissions and Eight-Hour Budgets for Volatile Organic Compounds (VOC), and Nitrogen Oxides (NOX) resulting from this process.

TABLE 2

January 2011

VMT - OZONE EMISSIONS - SIP BUDGETS  
SERIES 29A

Year	Ozone Area	SERIES 29A			BUDGETS		DIFFERENCE	
		VMT	VOC	NOX	VOC	NOX	VOC	NOX
2009 S28I	Ct. Portion of NY-NJ-LI area	51,342,464	26.77	52.00	27.40	54.60	-0.63	-2.60
	Greater Ct. Portion	47,043,284	24.67	45.33	26.30	49.20	-1.63	-3.87
2015	Ct. Portion of NY-NJ-LI area	54,441,800	25.46	24.24	27.40	54.60	-1.94	-30.36
	Greater Ct. Portion	49,069,376	22.00	21.02	26.30	49.20	-4.30	-28.18
2025	Ct. Portion of NY-NJ-LI area	58,445,704	19.37	13.22	27.40	54.60	-8.03	-41.38
	Greater Ct. Portion	53,374,944	16.77	11.74	26.30	49.20	-9.53	-37.46
2035	Ct. Portion of NY-NJ-LI area	61,604,088	20.21	12.25	27.40	54.60	-7.19	-42.35
	Greater Ct. Portion	57,123,048	17.84	11.12	26.30	49.20	-8.46	-38.08

- NOTE:** 1. A small reduction in VMT and emissions in the Greater Connecticut area will occur from the ECO program in the Connecticut portion of the NY-NJ-LI area due to travel between the areas.  
 2. VMT represents SUMMER DAILY vehicle miles of travel.  
 3. VOC & NOX emissions are in tons per day and are calculated using Connecticut's vehicle mix.  
 4. HPMS 12 Functional Class system used.  
 5. National Low Emission Vehicle (NLEV) program included in 2008 and all future years.  
 6. Includes emission reductions from passenger transit locomotives.  
 7. Eight Hour Ozone emission budgets effective June 27, 2008.  
 8. Series 29A run with 20 iteration equilibrium assignment.  
 9. Year 2009 VMT and emissions are based on Series 28I.

S29A\_OZ2.XLS

In all cases, the transportation program and plan meet the required conformity test:

- Action year emissions are less than approved 2009 budgets for VOX/NOX

This analysis in no way reflects the full benefit on air quality from the transportation plan and program. The network-based modeling process is capable of assessing the impact of major new highway or transit service. It does not reflect the impact from the many projects which are categorically excluded from the requirement of conformity. These projects include numerous improvements to intersections, which will allow traffic to flow more efficiently, thus reducing delay, fuel usage and emissions. The program also includes a significant number of miles of resurfacing. Studies have shown that smooth pavement reduces fuel consumption and the attendant CO and VOC emissions. Included in the TIP but not reflected in this analysis are many projects to maintain existing rail and bus systems. Without these projects, those systems could not offer a high level of service. With them, the mass transit systems function more efficiently, with improved safety, and provide a more dependable and aesthetically appealing service. These advantages will retain existing patrons and attract additional riders to the system. The technology to quantify the air quality benefits from these programs is not currently available.

As shown in this analysis, transportation emissions are declining dramatically and will continue to do so. This is primarily due to programs such as reformulated fuels, enhanced inspection and maintenance (I/M) programs, stage two vapor recovery (area source), and the low emissions vehicles (LEV) program. Changes in the transportation system will not

produce significant emission reductions because of the massive existing rail, bus, highway systems, and land development already in place. Change in these aspects is usually marginal, producing very small impacts.

## PM<sub>10</sub>

EPA previously designated the City of New Haven as non-attainment with respect to the National Ambient Air Quality Standards (NAAQS) for particulate matter with a nominal diameter of ten microns or less (PM<sub>10</sub>). The PM<sub>10</sub> non-attainment status in New Haven was a local problem stemming from activities of several businesses located in the Stiles Street section of the City. Numerous violations in the late 1980's and early 1990's of Section 22a-174-18 (Fugitive Dust) of CTDEP regulations in that section of the city led to a non-attainment designation (CTDEP, 1994: Narrative Connecticut Department of Environmental Protection, State Implementation Plan Revision For PM<sub>10</sub>, March 1994). Corrective actions were subsequently identified in the State Implementation Plan and implemented, with no violations of the PM<sub>10</sub> NAAQS since the mid-1990's.

All construction activities undertaken in the City of New Haven are required to be performed in compliance with Section 22a-174-18 (Control of Particulate "Emissions") of the CTDEP regulations. All reasonable available control measures must be implemented during construction to mitigate particulate matter emissions, including wind-blown fugitive dust, mud and dirt carry out, and re-entrained fugitive emission from

mobile equipment. The projects contained in the STIP and Plans, designated within the City of New Haven, are expected to have little effect on the overall projected vehicle miles of travel for the area and are not expected to cause significant additional airborne particulate matter to be generated. The transportation projects initiated in New Haven are not designed to enhance development in the area. Therefore, the projects undertaken in this area will not have a detrimental effect on PM<sub>10</sub> in New Haven.

On October 13, 2005, EPA published in the Federal Register (Vol. 70, No. 197), approval of a request by CTDEP for a Limited Maintenance Plan and redesignation of the New Haven Non Attainment Area to attainment for the National Ambient Air Quality Standards for PM<sub>10</sub>. This direct final rule became effective on December 12, 2005.

As with limited maintenance plans for other pollutants, emissions budgets are considered to satisfy transportation conformity's "budget test". However, future "project level" conformity determination may require "hot spot" PM<sub>10</sub> analyses for new transportation projects with significant diesel traffic in accordance with EPA's Final Rule for "PM<sub>2.5</sub> and PM<sub>10</sub> Hot-Spot Analyses in Project-level Transportation Conformity Determinations for the New PM<sub>2.5</sub> and Existing PM<sub>10</sub> National Ambient Air Quality Standards" (71 FR 12467, March 10, 2006) which became effective on April 5, 2006.

## PM<sub>2.5</sub>

In December of 2004, EPA signed the final rulemaking notice to designate attainment and non-attainment areas with respect to the Fine Particles (PM<sub>2.5</sub>) National Ambient Air Quality

Standards, becoming effective April 5, 2005. In Connecticut, Fairfield and New Haven counties are included in the New York-Northern New Jersey-Long Island, NY-NJ-CT PM<sub>2.5</sub> non-attainment area. Transportation plans and transportation improvement programs (TIPS) for the tri-state non-attainment area were found to be collectively conforming as of November 2006. On June 20, 2007, PM<sub>2.5</sub> budgets were found to be adequate for the early progress SIP. The PM<sub>2.5</sub> Conformity Submittal is a separate document which currently includes data specific to Connecticut's five MPO's contained in that non-attainment area.

## MASTER TRANSPORTATION PLAN

Another criterion used to determine SIP conformity is the requirement that CTDOT make available its transportation plan to CTDEP. Accordingly, a copy of CTDOT's 2009 Master Transportation Plan has been placed on CTDOT's website.

## TRANSPORTATION PLANNING WORK PROGRAM

ConnDOT's FY 2011-2012 Transportation Planning Work Program contains a description of all planning efforts (including those related to air quality) to be sponsored or undertaken with federal assistance during FY 2011 and 2012. Included with this program are several tasks directly related to CTDOT's responsibilities under Connecticut's SIP for Air Quality. Additional functions, such as those supporting the preparation of Indirect Source Permit applications, are funded under project related tasks. This work program is available at CTDOT for review.

## CONCLUSIONS

CTDOT has assessed its compliance with the applicable conformity criteria requirements of the 1990 CAAA. Based upon this analysis, it is concluded that all elements of CTDOT's transportation program, and the Regional Long-Range Plans conform to applicable SIP and 1990 CAAA Conformity Guidance criteria and the approved interim transportation conformity budgets.

In addition to the information required for a conformity determination, the following is attached:

- Appendix B: The VMT and **MOBILE6.2** tabulations for each analysis year
- Appendix C: The **MOBILE6.2** input data for each analysis year (Ozone)
- Appendix D: The **MOBILE6.2** output data for each analysis year (Ozone)

Travel and emission model files used in the calculation of the VMT and emissions are available on compact disk. Requests for these files or any questions regarding the analysis contained in this document may be directed to:

Connecticut Department of Transportation  
Bureau of Policy and Planning  
Division of Systems Information – Unit 4203  
2800 Berlin Turnpike  
Newington, CT. 06111  
(860) 594-2032  
Email: [Judy.Raymond@ct.gov](mailto:Judy.Raymond@ct.gov)

APPENDIX A

Interagency Consultation Conference Call Minutes

January 25, 2011

## INTERAGENCY CONSULTATION CONFERENCE CALL

January 25, 2011 9:45 a.m.

Connecticut Department of Transportation

Room 2324

### Conference Call

#### Attendees:

Eloise Powell – FHWA (Call in)  
Donald Cooke – EPA (Call in)  
Ariel Garcia – EPA (Call in)  
Paul Bodner – DEP (Call in)  
Jennifer Carrier – CRCOG (Call in)  
Linda Krause – CCRPA (Call in)  
Peter Dorpalen – COGCNV (Call in)  
Mark Nielson – GBRPA (Call in)  
Jonathan Chew – HVCEO (Call in)  
Stephen Dudley – SCRPA (Call in)  
Sue Prosi – SWRPA (Call in)  
Richard Guggenheim – SECOG (Call in)  
Dan McGuinness – NWCCOG (Call in)  
Thomas Maziarz – DOT  
Robbin Cabelus - DOT  
Maribeth Wojenski – DOT  
Philip Moberg – DOT  
Grayson Wright – DOT  
Neil Ryan – DOT  
Stephen Livingston – DOT  
Michael Connors – DOT  
Richard Armstrong - DOT  
Greg Soja – DOT  
Colleen Kissane- DOT  
Jim Spencer - DOT  
Judy Raymond - DOT  
Matthew Cegielski- DOT  
Justin Brunetti - DOT

The Interagency Consultation Meeting was held in conjunction with the monthly RPO meeting. It was discussed that the City of New Haven has applied for and was granted a Transportation Investment Generating Economic Recovery (TIGER) grant for improvements on Route 34. After the Department's and FHWA's review of this project, it was determined that this project is regionally significant and needs to be included in the Air Quality model conformity determination analysis. Therefore, a new air quality conformity analysis **must** be performed. Once this is completed, each MPO will need to hold a 30 day comment period and endorse the Air Quality Conformity

determination at a Policy board meeting.

The schedule for this process is as follows:

- MPOs transmit signed and dated Concurrence Form to [judy.raymond@ct.gov](mailto:judy.raymond@ct.gov) by January 27, 2011.
- CTDOT Census/Modeling Unit perform the air quality analysis and send the Air Quality Conformity Determination Report electronically to all MPOs by January 28, 2011.
- MPOs advertise and hold a 30-day comment period for Air Quality conformity
- MPOs hold Policy board meeting approving the AQ Conformity
- MPOs transmit resolution endorsing the AQ Conformity to [judy.raymond@ct.gov](mailto:judy.raymond@ct.gov) no later than April 8<sup>th</sup>, 2011.

It is important that all MPOs follow this schedule to ensure that the Route 34 project can go forward on schedule.

It was also noted that the Air Quality Conformity Determination analysis for the MPOs LRTPs will continue on schedule and will immediately follow this Air Quality Conformity Determination. Therefore, MPOs will be approving Air Quality Conformity Determinations two months in a row.

A discussion then centered on the travel model and emissions software planning assumptions employed in the conformity analysis. EPA stated that the 2005 vehicle registration data file would be acceptable for this Conformity Determination. CTDEP is in the process of finalizing the 2008 vehicle registration file.

CTDOT stated that the next Conformity will be based upon the MPO's LRTPs and begin within the next month.

PLANNING ASSUMPTIONS					
Planning Assumptions for Review	Frequency of Review*	Responsible Agency	Ozone/PM – 2009 (S28)	PM – 2010 (S29)	Existing Analysis (Ozone/PM2.5) (S29A)
Socioeconomic Data	At least every 5 years	CTDOT	2000	2005	2005
DMV Vehicle Registration Data	At least every 5 years	CTDEP	2002	2005	2005
State Vehicle Inspection and Maintenance Program	Each conformity round	CTDEP	2005 Plus	2005 Plus	2005 Plus
State Low Emission Vehicle Program	Each conformity round following approval into the SIP	CTDEP	Same as SIP	Same as SIP	Same as SIP
VMT Mix Data	At least every 5 years	CTDEP	2002	2008	2008
Analysis Years	Each conformity round	CTDOT/CTDEP	2009, 2012, 2020, 2030, 2035	2009, 2014, 2020, 2030, 2035	2009, 2015, 2025, 2035
Emission Budget	As SIP revised/updated	CTDEP	2009	2009	2009
Free-Flow Vehicle Speeds	At least every 5 years	CTDOT	2005	2005	2005
Temperatures and Humidity	As SIP revised/updated	CTDEP	X	X	X
Control Strategies	Each conformity round	CTDEP	X	X	X
Off-Line Calculations	Each conformity round	CTDOT	X	X	X
Model Calibration	At least every 10 years or as needed	CTDOT	Based on 2005 Data	Based on 2007 Data	Based on 2007 Data
VMT	Each conformity round	CTDOT	Based on 2005	Based on 2007	Based on 2007
* Review of Planning Assumptions does not necessarily prelude an update or calibration of the travel demand model.					

## APPENDIX B

### Ozone Emission Runs

M O B I L E 6.2  
 --- Ozone Emissions ---  
 Greater Connecticut - Moderate 8 Hour

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	9.92	9.89	19471116.
Arterial/Collector	9.76	9.27	24870928.
Local	2.19	1.54	4079896.
Ramp	0.23	0.32	647435.
Totals (in tons per day)	22.10	21.02	49069376.
(Kilograms per day)	20000.47	19022.47	

Summer VMT Totals:

NY/NJ/CT Moderate Area	54441800.
Greater CT Moderate Area	49069376.
Statewide Total	103511176.

M O B I L E 6.2  
 --- Ozone Emissions ---  
 NY/NJ/CT Area - Moderate 8 Hour

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	12.63	12.85	25347548.
Arterial/Collector	10.39	9.45	24177564.
Local	2.17	1.55	4132744.
Ramp	0.28	0.38	783945.
Totals (in tons per day)	25.47	24.24	54441800.
(Kilograms per day)	23048.13	21934.54	

Summer VMT Totals:

NY/NJ/CT Moderate Area	54441800.
Greater CT Moderate Area	49069376.
Statewide Total	103511176.

M O B I L E 6.2  
 --- Ozone Emissions ---  
 Greater Connecticut - Moderate 8 Hour

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	7.53	4.97	20960962.
Arterial/Collector	7.44	5.68	27252036.
Local	1.73	0.92	4463168.
Ramp	0.17	0.17	698780.
Totals (in tons per day)	16.87	11.74	53374944.
(Kilograms per day)	15265.53	10625.55	

Summer VMT Totals:

NY/NJ/CT Moderate Area	58445704.
Greater CT Moderate Area	53374944.
Statewide Total	111820648.

M O B I L E 6.2  
 --- Ozone Emissions ---  
 NY/NJ/CT Area - Moderate 8 Hour

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	9.48	6.31	26878342.
Arterial/Collector	8.03	5.80	26322040.
Local	1.67	0.91	4414032.
Ramp	0.19	0.20	831289.
Totals (in tons per day)	19.38	13.22	58445704.
(Kilograms per day)	17541.52	11963.18	

Summer VMT Totals:

NY/NJ/CT Moderate Area	58445704.
Greater CT Moderate Area	53374944.
Statewide Total	111820648.

M O B I L E 6.2  
 --- Ozone Emissions ---  
 Greater Connecticut - Moderate 8 Hour

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	7.80	4.36	22106940.
Arterial/Collector	8.12	5.69	29447840.
Local	1.84	0.91	4836520.
Ramp	0.17	0.15	731749.
Totals (in tons per day)	17.94	11.12	57123048.
(Kilograms per day)	16231.64	10060.05	

Summer VMT Totals:

NY/NJ/CT Moderate Area	61604088.
Greater CT Moderate Area	57123048.
Statewide Total	118727136.

M O B I L E 6.2  
 --- Ozone Emissions ---  
 NY/NJ/CT Area - Moderate 8 Hour

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	9.71	5.51	28063904.
Arterial/Collector	8.54	5.68	27952424.
Local	1.76	0.88	4719803.
Ramp	0.20	0.18	867956.
Totals (in tons per day)	20.22	12.25	61604088.
(Kilograms per day)	18295.28	11087.04	

Summer VMT Totals:

NY/NJ/CT Moderate Area	61604088.
Greater CT Moderate Area	57123048.
Statewide Total	118727136.

## APPENDIX C

### MOBILE 6.2 Input Files

```

MOBILE6 INPUT FILE :
* For VOC and NOx Only
SPREADSHEET       :
DATABASE OUTPUT   :
POLLUTANTS       : HC NOX
DATABASE OPTIONS  : CTdb.opt

RUN DATA
> 2015 input file for DOT; created 9/4/03 PMB
> Updated for VMT fractions, new CTIM and speed files 10/05 jbr
>*****Fairfield Expressway *****

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

* Use 2005 registration age distribution data.
REG DIST         : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE    : CTIM05pl.d
ANTI-TAMP PROG   :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT        : z:\SER29A\2015\15svmt1s.cty
VMT BY FACILITY  : FCVMTF.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS    :
0.3226  0.1020  0.3396  0.1046  0.0481  0.0262  0.0026  0.0021
0.0016  0.0059  0.0070  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD  : Fairfield County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
FUEL RVP         : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP     : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST         : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE    : CTIM05pl.d
ANTI-TAMP PROG   :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT        : z:\SER29A\2015\15svmt1s.cty
VMT BY FACILITY  : FCVMTA.CTY

* 2015 arterial/collector VMT fractions
VMT FRACTIONS    :
0.3397  0.1074  0.3575  0.1101  0.0507  0.0084  0.0008  0.0007
0.0005  0.0019  0.0022  0.0024  0.0086  0.0004  0.0002  0.0085

SCENARIO RECORD  : Fairfield County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
FUEL RVP         : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP     : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST         : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE    : CTIM05pl.d
ANTI-TAMP PROG   :
83 71 50 22222 21111111 1 12 096. 12111112

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2015\15svmt1s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2015 local VMT fractions
VMT FRACTIONS   :
0.3389  0.1071  0.3567  0.1099  0.0505  0.0088  0.0009  0.0007
0.0005  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096

SCENARIO RECORD : Fairfield County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

```

```

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

```

```

REG DIST         : CTREG05.D

```

```

EXPRESS HC AS VOC :

```

```

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE    : CTIM05pl.d
ANTI-TAMP PROG   :
83 71 50 22222 21111111 1 12 096. 12111112

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2015\15svmt1s.cty
VMT BY FACILITY : FCVMTL.CTY

```

```

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.3226  0.1020  0.3396  0.1046  0.0481  0.0262  0.0026  0.0021
0.0016  0.0059  0.0070  0.0075  0.0268  0.0013  0.0007  0.0014

```

```

SCENARIO RECORD : Fairfield County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

```

```

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

```

```

REG DIST         : CTREG05.D

```

```

EXPRESS HC AS VOC :

```

```

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE    : CTIM05pl.d
ANTI-TAMP PROG   :
83 71 50 22222 21111111 1 12 096. 12111112

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2015\15svmt2s.cty
VMT BY FACILITY : FCVMTF.CTY

```

```

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.3226  0.1020  0.3396  0.1046  0.0481  0.0262  0.0026  0.0021
0.0016  0.0059  0.0070  0.0075  0.0268  0.0013  0.0007  0.0014

```

```

SCENARIO RECORD : Hartford County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

```

```

* Weather Data for GRCT NA area
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt2s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2015 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3397 0.1074 0.3575 0.1101 0.0507 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD   : Hartford County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt2s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2015 local VMT fractions
VMT FRACTIONS     :
0.3389 0.1071 0.3567 0.1099 0.0505 0.0088 0.0009 0.0007
0.0005 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD   : Hartford County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt2s.cty
VMT BY FACILITY   : FCVMTR.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD   : Hartford County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area

```

MIN/MAX TEMP : 67.7 95.5  
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7  
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

\* Northeast NLEV inputs  
94+ LDG IMP : NLEVNE.D  
  
\* Fuel Data  
FUEL PROGRAM : 2 N  
NO REFUELING :  
  
REG DIST : CTREG05.D  
EXPRESS HC AS VOC :  
  
\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests  
I/M DESC FILE : CTIM05p1.d  
ANTI-TAMP PROG :  
83 71 50 22222 21111111 1 12 096. 12111112  
  
\* VMT Data  
VMT BY HOUR : CTHVMT.def  
SPEED VMT : z:\SER29A\2015\15svmt3s.cty  
VMT BY FACILITY : FCVMTF.CTY  
  
\* 2015 expressway/ramp VMT fractions  
VMT FRACTIONS :  
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021  
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014  
  
SCENARIO RECORD : Litchfield County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 7  
FUEL RVP : 6.8  
  
\* Weather Data for GRCT NA area  
MIN/MAX TEMP : 67.7 95.5  
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7  
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

\* Northeast NLEV inputs  
94+ LDG IMP : NLEVNE.D  
  
\* Fuel Data  
FUEL PROGRAM : 2 N  
NO REFUELING :  
  
REG DIST : CTREG05.D  
EXPRESS HC AS VOC :  
  
\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests  
I/M DESC FILE : CTIM05p1.D  
ANTI-TAMP PROG :  
83 71 50 22222 21111111 1 12 096. 12111112  
  
\* VMT Data  
VMT BY HOUR : CTHVMT.def  
SPEED VMT : z:\SER29A\2015\15svmt3s.cty  
VMT BY FACILITY : FCVMTA.CTY  
  
\* 2015 arterial/collector VMT fractions  
VMT FRACTIONS :  
0.3397 0.1074 0.3575 0.1101 0.0507 0.0084 0.0008 0.0007  
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085  
  
SCENARIO RECORD : Litchfield County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
CALENDAR YEAR : 2015  
EVALUATION MONTH : 7  
FUEL RVP : 6.8  
  
\* Weather Data for GRCT NA area  
MIN/MAX TEMP : 67.7 95.5  
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7  
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

\* Northeast NLEV inputs  
94+ LDG IMP : NLEVNE.D  
  
\* Fuel Data  
FUEL PROGRAM : 2 N  
NO REFUELING :  
  
REG DIST : CTREG05.D  
EXPRESS HC AS VOC :  
  
\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests  
I/M DESC FILE : CTIM05p1.d  
ANTI-TAMP PROG :  
83 71 50 22222 21111111 1 12 096. 12111112  
  
\* VMT Data  
VMT BY HOUR : CTHVMT.def  
SPEED VMT : z:\SER29A\2015\15svmt3s.cty

```

VMT BY FACILITY      : FCVMTL.CTY

* 2015 local VMT fractions
VMT FRACTIONS      :
0.3389  0.1071  0.3567  0.1099  0.0505  0.0088  0.0009  0.0007
0.0005  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096

SCENARIO RECORD    : Litchfield County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Litchfield Ramp *****
* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2015\15svmt3s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.3226  0.1020  0.3396  0.1046  0.0481  0.0262  0.0026  0.0021
0.0016  0.0059  0.0070  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD    : Litchfield County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Middlesex Expressway *****
* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2015\15svmt4s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.3226  0.1020  0.3396  0.1046  0.0481  0.0262  0.0026  0.0021
0.0016  0.0059  0.0070  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD    : Middlesex County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP       : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                   : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

>*****Middlesex Arterials/Collectors *****
* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

```

```

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2015\15svmt4s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2015 arterial/collector VMT fractions
VMT FRACTIONS    :
0.3397 0.1074 0.3575 0.1101 0.0507 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD  : Middlesex County 2015 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP     : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING    :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2015\15svmt4s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2015 local VMT fractions
VMT FRACTIONS    :
0.3389 0.1071 0.3567 0.1099 0.0505 0.0088 0.0009 0.0007
0.0005 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD  : Middlesex County 2015 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP     : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING    :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2015\15svmt4s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS    :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD  : Middlesex County 2015 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP     : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

```

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :

REG DIST       : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT      : z:\SER29A\2015\15svmt5s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS  :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD : New Haven County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN
```

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :

REG DIST       : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.D
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT      : z:\SER29A\2015\15svmt5s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2015 arterial/collector VMT fractions
VMT FRACTIONS  :
0.3397 0.1074 0.3575 0.1101 0.0507 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD : New Haven County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN
```

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :

REG DIST       : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT      : z:\SER29A\2015\15svmt5s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2015 local VMT fractions
VMT FRACTIONS  :
0.3389 0.1071 0.3567 0.1099 0.0505 0.0088 0.0009 0.0007
```

```

0.0005 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096
SCENARIO RECORD : New Haven County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

>*****New Haven Ramp *****
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT       : z:\SER29A\2015\15svmt5S.cty
VMT BY FACILITY : FVMT5R.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD : New Haven County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

>*****New London Expressway *****
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT       : z:\SER29A\2015\15svmt6s.cty
VMT BY FACILITY : FVMT6R.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD : New London County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2015
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****New London Arterials/Collectors *****
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.d

```

```

ANTI-TAMP PROG      :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2015\15svmt6s.cty
VMT BY FACILITY    : FCVMTA.CTY

* 2015 arterial/collector VMT fractions
VMT FRACTIONS      :
0.3397 0.1074 0.3575 0.1101 0.0507 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD    : New London County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2015\15svmt6s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2015 local VMT fractions
VMT FRACTIONS      :
0.3389 0.1071 0.3567 0.1099 0.0505 0.0088 0.0009 0.0007
0.0005 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD    : New London County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2015\15svmt6s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD    : New London County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2015
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt7s.cty
VMT BY FACILITY   : FCVMTF.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD   : Tolland County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt7s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2015 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3397 0.1074 0.3575 0.1101 0.0507 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD   : Tolland County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt7s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2015 local VMT fractions
VMT FRACTIONS     :
0.3389 0.1071 0.3567 0.1099 0.0505 0.0088 0.0009 0.0007
0.0005 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD   : Tolland County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

```

```

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Tolland Ramp *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt7s.cty
VMT BY FACILITY   : FVMT7.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD   : Tolland County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Windham Expressway *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt8s.cty
VMT BY FACILITY   : FVMT8.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.3226 0.1020 0.3396 0.1046 0.0481 0.0262 0.0026 0.0021
0.0016 0.0059 0.0070 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD   : Windham County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Windham Arterials/Collectors *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt8s.cty

```

```

VMT BY FACILITY      : FCVMTA.CTY

* 2015 arterial/collector VMT fractions
VMT FRACTIONS      :
0.3397  0.1074  0.3575  0.1101  0.0507  0.0084  0.0008  0.0007
0.0005  0.0019  0.0022  0.0024  0.0086  0.0004  0.0002  0.0085

SCENARIO RECORD    : Windham County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt8s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2015 local VMT fractions
VMT FRACTIONS      :
0.3389  0.1071  0.3567  0.1099  0.0505  0.0088  0.0009  0.0007
0.0005  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096

SCENARIO RECORD    : Windham County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2015\15svmt8s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2015 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.3226  0.1020  0.3396  0.1046  0.0481  0.0262  0.0026  0.0021
0.0016  0.0059  0.0070  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD    : Windham County 2015 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2015
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

```

MOBILE6 INPUT FILE :
* For VOC and NOx Only
SPREADSHEET       :
DATABASE OUTPUT    :
POLLUTANTS        : HC NOX
DATABASE OPTIONS   : CTdb.opt

RUN DATA
> 2025 input file for DOT; created 9/4/03 PMB
> Updated for VMT fractions, new CTIM and speed files 10/05 jbr
>*****Fairfield Expressway *****

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

* Use 2005 registration age distribution data.
REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt1s.cty
VMT BY FACILITY   : FVMTF.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD   : Fairfield County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                   56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt1s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2025 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD   : Fairfield County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                   56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :

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```

83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt1s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2025 local VMT fractions
VMT FRACTIONS   :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD : Fairfield County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05p1.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt1s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD : Fairfield County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05p1.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt2s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD : Hartford County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

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```

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt2s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2025 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD   : Hartford County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt2s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2025 local VMT fractions
VMT FRACTIONS     :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD   : Hartford County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt2s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD   : Hartford County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

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* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt3s.cty
VMT BY FACILITY   : FCVMTF.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2936  0.1070  0.3560  0.1097  0.0505  0.0262  0.0026  0.0022
0.0017  0.0059  0.0069  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD   : Litchfield County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt3s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2025 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3094  0.1126  0.3747  0.1155  0.0532  0.0084  0.0008  0.0007
0.0005  0.0019  0.0022  0.0024  0.0086  0.0004  0.0002  0.0085

SCENARIO RECORD   : Litchfield County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt3s.cty

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VMT BY FACILITY      : FCVMTL.CTY

* 2025 local VMT fractions
VMT FRACTIONS      :
0.3087  0.1123  0.3738  0.1152  0.0530  0.0088  0.0009  0.0007
0.0006  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096

SCENARIO RECORD    : Litchfield County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2025
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Litchfield Ramp *****
* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05pl.d
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2025\25svmt3s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2936  0.1070  0.3560  0.1097  0.0505  0.0262  0.0026  0.0022
0.0017  0.0059  0.0069  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD    : Litchfield County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2025
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Middlesex Expressway *****
* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05pl.d
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2025\25svmt4s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2936  0.1070  0.3560  0.1097  0.0505  0.0262  0.0026  0.0022
0.0017  0.0059  0.0069  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD    : Middlesex County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2025
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP       : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                   : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

>*****Middlesex Arterials/Collectors *****
* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

```

```

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2025\25svmt4s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2025 arterial/collector VMT fractions
VMT FRACTIONS    :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD  : Middlesex County 2025 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP     : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2025\25svmt4s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2025 local VMT fractions
VMT FRACTIONS    :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD  : Middlesex County 2025 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP     : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2025\25svmt4s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS    :
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD  : Middlesex County 2025 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP     : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

```

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt5s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.2936  0.1070  0.3560  0.1097  0.0505  0.0262  0.0026  0.0022
0.0017  0.0059  0.0069  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD : New Haven County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN
```

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt5s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2025 arterial/collector VMT fractions
VMT FRACTIONS   :
0.3094  0.1126  0.3747  0.1155  0.0532  0.0084  0.0008  0.0007
0.0005  0.0019  0.0022  0.0024  0.0086  0.0004  0.0002  0.0085

SCENARIO RECORD : New Haven County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN
```

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05pl.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt5s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2025 local VMT fractions
VMT FRACTIONS   :
0.3087  0.1123  0.3738  0.1152  0.0530  0.0088  0.0009  0.0007
0.0006  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096
```

SCENARIO RECORD : New Haven County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
CALENDAR YEAR : 2025  
EVALUATION MONTH : 7  
FUEL RVP : 6.8

\* Weather Data for SWCT NA area  
MIN/MAX TEMP : 66.5 91.6  
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9  
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

\* Northeast NLEV inputs  
94+ LDG IMP : NLEVNE.D

\* Fuel Data  
FUEL PROGRAM : 2 N  
NO REFUELING :

REG DIST : CTREG05.D

EXPRESS HC AS VOC :

\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests  
I/M DESC FILE : CTIM05pl.d  
ANTI-TAMP PROG :  
83 71 50 22222 21111111 1 12 096. 12111112

\* VMT Data  
VMT BY HOUR : CTHVMT.def  
SPEED VMT : z:\SER29A\2025\25svmt5s.cty  
VMT BY FACILITY : FVCMTR.CTY

\* 2025 expressway/ramp VMT fractions  
VMT FRACTIONS :  
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022  
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD : New Haven County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
CALENDAR YEAR : 2025  
EVALUATION MONTH : 7  
FUEL RVP : 6.8

\* Weather Data for SWCT NA area  
MIN/MAX TEMP : 66.5 91.6  
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9  
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

\* Northeast NLEV inputs  
94+ LDG IMP : NLEVNE.D

\* Fuel Data  
FUEL PROGRAM : 2 N  
NO REFUELING :

REG DIST : CTREG05.D

EXPRESS HC AS VOC :

\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests  
I/M DESC FILE : CTIM05pl.d  
ANTI-TAMP PROG :  
83 71 50 22222 21111111 1 12 096. 12111112

\* VMT Data  
VMT BY HOUR : CTHVMT.def  
SPEED VMT : z:\SER29A\2025\25svmt6s.cty  
VMT BY FACILITY : FVMTF.CTY

\* 2025 expressway/ramp VMT fractions  
VMT FRACTIONS :  
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022  
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD : New London County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
CALENDAR YEAR : 2025  
EVALUATION MONTH : 7  
FUEL RVP : 6.8

\* Weather Data for GRCT NA area  
MIN/MAX TEMP : 67.7 95.5  
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7  
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

\* Northeast NLEV inputs  
94+ LDG IMP : NLEVNE.D

\* Fuel Data  
FUEL PROGRAM : 2 N  
NO REFUELING :

REG DIST : CTREG05.D

EXPRESS HC AS VOC :

\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests  
I/M DESC FILE : CTIM05pl.d  
ANTI-TAMP PROG :

```

83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt6s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2025 arterial/collector VMT fractions
VMT FRACTIONS   :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD : New London County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST         : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE    : CTIM05p1.d
ANTI-TAMP PROG   :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt6s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2025 local VMT fractions
VMT FRACTIONS   :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD : New London County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST         : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE    : CTIM05p1.d
ANTI-TAMP PROG   :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2025\25svmt6s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD : New London County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2025
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt7s.cty
VMT BY FACILITY   : FCVMTF.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2936  0.1070  0.3560  0.1097  0.0505  0.0262  0.0026  0.0022
0.0017  0.0059  0.0069  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD   : Tolland County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt7s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2025 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3094  0.1126  0.3747  0.1155  0.0532  0.0084  0.0008  0.0007
0.0005  0.0019  0.0022  0.0024  0.0086  0.0004  0.0002  0.0085

SCENARIO RECORD   : Tolland County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05pl.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt7s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2025 local VMT fractions
VMT FRACTIONS     :
0.3087  0.1123  0.3738  0.1152  0.0530  0.0088  0.0009  0.0007
0.0006  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096

SCENARIO RECORD   : Tolland County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

```

```

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Tolland Ramp *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt7s.cty
VMT BY FACILITY   : FVMT7.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD   : Tolland County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Windham Expressway *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt8s.cty
VMT BY FACILITY   : FVMT8.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2936 0.1070 0.3560 0.1097 0.0505 0.0262 0.0026 0.0022
0.0017 0.0059 0.0069 0.0075 0.0268 0.0013 0.0007 0.0014

SCENARIO RECORD   : Windham County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2025
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Windham Arterials/Collectors *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.d
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2025\25svmt8s.cty
VMT BY FACILITY   : FVMTA.CTY

```

```

* 2025 arterial/collector VMT fractions
VMT FRACTIONS      :
0.3094  0.1126  0.3747  0.1155  0.0532  0.0084  0.0008  0.0007
0.0005  0.0019  0.0022  0.0024  0.0086  0.0004  0.0002  0.0085

SCENARIO RECORD    : Windham County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2025
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05pl.d
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2025\25svmt8s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2025 local VMT fractions
VMT FRACTIONS      :
0.3087  0.1123  0.3738  0.1152  0.0530  0.0088  0.0009  0.0007
0.0006  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096

SCENARIO RECORD    : Windham County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2025
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05pl.D
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2025\25svmt8s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2025 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2936  0.1070  0.3560  0.1097  0.0505  0.0262  0.0026  0.0022
0.0017  0.0059  0.0069  0.0075  0.0268  0.0013  0.0007  0.0014

SCENARIO RECORD    : Windham County 2025 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2025
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

```

```

MOBILE6 INPUT FILE :
* For VOC and NOx Only
SPREADSHEET       :
DATABASE OUTPUT    :
POLLUTANTS        : HC NOX
DATABASE OPTIONS   : CTdb.opt

RUN DATA
> 2035 input file for DOT; created 08/17/06 JBR
> Updated for VMT fractions, new CTIM and speed files 10/05 jbr
>*****Fairfield Expressway *****

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

* Use 2005 registration age distribution data.
REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt1s.cty
VMT BY FACILITY   : FVMTF.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2938  0.1070  0.3561  0.1097  0.0505  0.0261  0.0026  0.0022
0.0016  0.0059  0.0069  0.0075  0.0267  0.0013  0.0007  0.0014

SCENARIO RECORD   : Fairfield County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : Z:\SER29A\2035\35svmt1s.cty
VMT BY FACILITY   : FVMTA.CTY

* 2035 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3094  0.1126  0.3747  0.1155  0.0532  0.0084  0.0008  0.0007
0.0005  0.0019  0.0022  0.0024  0.0086  0.0004  0.0002  0.0085

SCENARIO RECORD   : Fairfield County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2035\35svmt1s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2035 local VMT fractions
VMT FRACTIONS   :
0.3087  0.1123  0.3738  0.1152  0.0530  0.0088  0.0009  0.0007
0.0006  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096

SCENARIO RECORD : Fairfield County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2035
EVALUATION MONTH : 7
FUEL RVP       : 6.8

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* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

```

```

REG DIST        : CTREG05.D

```

EXPRESS HC AS VOC :

```

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05p1.D
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2035\35svmt1s.cty
VMT BY FACILITY : FCVMTL.CTY

```

```

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.2938  0.1070  0.3561  0.1097  0.0505  0.0261  0.0026  0.0022
0.0016  0.0059  0.0069  0.0075  0.0267  0.0013  0.0007  0.0014

```

```

SCENARIO RECORD : Fairfield County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2035
EVALUATION MONTH : 7
FUEL RVP       : 6.8

```

```

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

```

```

REG DIST        : CTREG05.D

```

EXPRESS HC AS VOC :

```

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05p1.D
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29A\2035\35svmt2s.cty
VMT BY FACILITY : FCVMTF.CTY

```

```

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.2938  0.1070  0.3561  0.1097  0.0505  0.0261  0.0026  0.0022
0.0016  0.0059  0.0069  0.0075  0.0267  0.0013  0.0007  0.0014

```

```

SCENARIO RECORD : Hartford County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2035
EVALUATION MONTH : 7
FUEL RVP       : 6.8

```

```

* Weather Data for GRCT NA area
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt2s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2035 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD   : Hartford County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt2s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2035 local VMT fractions
VMT FRACTIONS     :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD   : Hartford County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt2s.cty
VMT BY FACILITY   : FCVMTR.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014

SCENARIO RECORD   : Hartford County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area

```

MIN/MAX TEMP : 67.7 95.5  
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7  
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

\* Northeast NLEV inputs

94+ LDG IMP : NLEVNE.D

\* Fuel Data

FUEL PROGRAM : 2 N

NO REFUELING :

REG DIST : CTREG05.D

EXPRESS HC AS VOC :

\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests

I/M DESC FILE : CTIM05p1.D

ANTI-TAMP PROG :

83 71 50 22222 21111111 1 12 096. 12111112

\* VMT Data

VMT BY HOUR : CTHVMT.def

SPEED VMT : z:\SER29A\2035\35svmt3s.cty

VMT BY FACILITY : FCVMTF.CTY

\* 2035 expressway/ramp VMT fractions

VMT FRACTIONS :  
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022  
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014

SCENARIO RECORD : Litchfield County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2

CALENDAR YEAR : 2035

EVALUATION MONTH : 7

FUEL RVP : 6.8

\* Weather Data for GRCT NA area

MIN/MAX TEMP : 67.7 95.5

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

END OF RUN

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

\* Northeast NLEV inputs

94+ LDG IMP : NLEVNE.D

\* Fuel Data

FUEL PROGRAM : 2 N

NO REFUELING :

REG DIST : CTREG05.D

EXPRESS HC AS VOC :

\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests

I/M DESC FILE : CTIM05p1.D

ANTI-TAMP PROG :

83 71 50 22222 21111111 1 12 096. 12111112

\* VMT Data

VMT BY HOUR : CTHVMT.def

SPEED VMT : z:\SER29A\2035\35svmt3s.cty

VMT BY FACILITY : FCVMTA.CTY

\* 2035 arterial/collector VMT fractions

VMT FRACTIONS :  
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007  
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD : Litchfield County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2

CALENDAR YEAR : 2035

EVALUATION MONTH : 7

FUEL RVP : 6.8

\* Weather Data for GRCT NA area

MIN/MAX TEMP : 67.7 95.5

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

END OF RUN

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

\* Northeast NLEV inputs

94+ LDG IMP : NLEVNE.D

\* Fuel Data

FUEL PROGRAM : 2 N

NO REFUELING :

REG DIST : CTREG05.D

EXPRESS HC AS VOC :

\* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests

I/M DESC FILE : CTIM05p1.D

ANTI-TAMP PROG :

83 71 50 22222 21111111 1 12 096. 12111112

\* VMT Data

VMT BY HOUR : CTHVMT.def

SPEED VMT : Z:\SER29A\2035\35svmt3s.cty

VMT BY FACILITY : FCVMTL.CTY

```

* 2035 local VMT fractions
VMT FRACTIONS      :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD   : Litchfield County 2020 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

```

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt3s.cty
VMT BY FACILITY   : FVMT3.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014

SCENARIO RECORD   : Litchfield County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

```

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt4s.cty
VMT BY FACILITY   : FVMT4.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014

SCENARIO RECORD   : Middlesex County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  : 56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

```

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

```

```

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2035\35svmt4s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2035 arterial/collector VMT fractions
VMT FRACTIONS    :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD  : Middlesex County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2035
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2035\35svmt4s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2035 local VMT fractions
VMT FRACTIONS    :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD  : Middlesex County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2035
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM     : 2 N
NO REFUELING     :

REG DIST        : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT        : z:\SER29A\2035\35svmt4s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS    :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014

SCENARIO RECORD  : Middlesex County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR    : 2035
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1

```

END OF RUN

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :

REG DIST       : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE  : CTIM05p1.D
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR    : CTHVMT.def
SPEED VMT     : z:\SER29A\2035\35svmt5s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014

SCENARIO RECORD : New Haven County 2035 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2035
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
```

END OF RUN

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :

REG DIST       : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE  : CTIM05p1.D
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR    : CTHVMT.def
SPEED VMT     : z:\SER29A\2035\35svmt5s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2035 arterial/collector VMT fractions
VMT FRACTIONS :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD : New Haven County 2035 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2035
EVALUATION MONTH : 7
FUEL RVP        : 6.8

* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
```

END OF RUN

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

```
* Northeast NLEV inputs
94+ LDG IMP      : NLEVNE.D

* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :

REG DIST       : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE  : CTIM05p1.D
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR    : CTHVMT.def
SPEED VMT     : z:\SER29A\2035\35svmt5s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2035 local VMT fractions
VMT FRACTIONS :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
```

```

0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096
SCENARIO RECORD : New Haven County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2035
EVALUATION MONTH : 7
FUEL RVP        : 6.8
* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
END OF RUN
>*****New Haven Ramp *****
* Northeast NLEV inputs
94+ LDG IMP     : NLEVNE.D
* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :
REG DIST       : CTREG05.D
EXPRESS HC AS VOC :
* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05p1.D
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112
* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT       : z:\SER29A\2035\35svmt5s.cty
VMT BY FACILITY : FVMTFR.CTY
* 2035 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014
SCENARIO RECORD : New Haven County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2035
EVALUATION MONTH : 7
FUEL RVP        : 6.8
* Weather Data for SWCT NA area
MIN/MAX TEMP    : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                  56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
END OF RUN
>*****New London Expressway *****
* Northeast NLEV inputs
94+ LDG IMP     : NLEVNE.D
* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :
REG DIST       : CTREG05.D
EXPRESS HC AS VOC :
* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05p1.D
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112
* VMT Data
VMT BY HOUR     : CTHVMT.def
SPEED VMT       : z:\SER29A\2035\35svmt6s.cty
VMT BY FACILITY : FVMTFR.CTY
* 2035 expressway/ramp VMT fractions
VMT FRACTIONS   :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014
SCENARIO RECORD : New London County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR   : 2035
EVALUATION MONTH : 7
FUEL RVP        : 6.8
* Weather Data for GRCT NA area
MIN/MAX TEMP    : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
END OF RUN
>*****New London Arterials/Collectors *****
* Northeast NLEV inputs
94+ LDG IMP     : NLEVNE.D
* Fuel Data
FUEL PROGRAM    : 2 N
NO REFUELING    :
REG DIST       : CTREG05.D
EXPRESS HC AS VOC :
* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM05p1.D

```

```

ANTI-TAMP PROG      :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2035\35svmt6s.cty
VMT BY FACILITY    : FCVMTA.CTY

* 2035 arterial/collector VMT fractions
VMT FRACTIONS      :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085

SCENARIO RECORD    : New London County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2035
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :
REG DIST           : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.D
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2035\35svmt6s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2035 local VMT fractions
VMT FRACTIONS      :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096

SCENARIO RECORD    : New London County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2035
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :
REG DIST           : CTREG05.D
EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.D
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2035\35svmt6s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014

SCENARIO RECORD    : New London County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2035
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

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

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

```

```

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :
* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112
* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt7s.cty
VMT BY FACILITY   : FCVMTF.CTY
* 2035 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2938 0.1070 0.3561 0.1097 0.0505 0.0261 0.0026 0.0022
0.0016 0.0059 0.0069 0.0075 0.0267 0.0013 0.0007 0.0014
SCENARIO RECORD   : Tolland County 2035 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8
* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D
* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :
* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112
* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt7s.cty
VMT BY FACILITY   : FCVMTA.CTY
* 2035 arterial/collector VMT fractions
VMT FRACTIONS     :
0.3094 0.1126 0.3747 0.1155 0.0532 0.0084 0.0008 0.0007
0.0005 0.0019 0.0022 0.0024 0.0086 0.0004 0.0002 0.0085
SCENARIO RECORD   : Tolland County 2035 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8
* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D
* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :
REG DIST          : CTREG05.D
EXPRESS HC AS VOC :
* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112
* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt7s.cty
VMT BY FACILITY   : FCVMTL.CTY
* 2035 local VMT fractions
VMT FRACTIONS     :
0.3087 0.1123 0.3738 0.1152 0.0530 0.0088 0.0009 0.0007
0.0006 0.0020 0.0023 0.0025 0.0090 0.0004 0.0002 0.0096
SCENARIO RECORD   : Tolland County 2035 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

```

```

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Tolland Ramp *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt7s.cty
VMT BY FACILITY   : FVMT7.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2938  0.1070  0.3561  0.1097  0.0505  0.0261  0.0026  0.0022
0.0016  0.0059  0.0069  0.0075  0.0267  0.0013  0.0007  0.0014

SCENARIO RECORD   : Tolland County 2035 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Windham Expressway *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt8s.cty
VMT BY FACILITY   : FVMT8.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2938  0.1070  0.3561  0.1097  0.0505  0.0261  0.0026  0.0022
0.0016  0.0059  0.0069  0.0075  0.0267  0.0013  0.0007  0.0014

SCENARIO RECORD   : Windham County 2035 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2035
EVALUATION MONTH  : 7
FUEL RVP          : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                  : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

END OF RUN

>*****Windham Arterials/Collectors *****
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

REG DIST          : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM05p1.D
ANTI-TAMP PROG    :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR       : CTHVMT.def
SPEED VMT         : z:\SER29A\2035\35svmt8s.cty

```

```

VMT BY FACILITY      : FCVMTA.CTY

* 2035 arterial/collector VMT fractions
VMT FRACTIONS      :
0.3094  0.1126  0.3747  0.1155  0.0532  0.0084  0.0008  0.0007
0.0005  0.0019  0.0022  0.0024  0.0086  0.0004  0.0002  0.0085

SCENARIO RECORD    : Windham County 2035 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2035
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.D
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2035\35svmt8s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2035 local VMT fractions
VMT FRACTIONS      :
0.3087  0.1123  0.3738  0.1152  0.0530  0.0088  0.0009  0.0007
0.0006  0.0020  0.0023  0.0025  0.0090  0.0004  0.0002  0.0096

SCENARIO RECORD    : Windham County 2035 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2035
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

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

```

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

REG DIST           : CTREG05.D

EXPRESS HC AS VOC :

* I/M Data; reflects assumed Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM05p1.D
ANTI-TAMP PROG     :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR        : CTHVMT.def
SPEED VMT          : z:\SER29A\2035\35svmt8s.cty
VMT BY FACILITY    : FCVMTL.CTY

* 2035 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2938  0.1070  0.3561  0.1097  0.0505  0.0261  0.0026  0.0022
0.0016  0.0059  0.0069  0.0075  0.0267  0.0013  0.0007  0.0014

SCENARIO RECORD    : Windham County 2035 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2035
EVALUATION MONTH   : 7
FUEL RVP           : 6.8

* Weather Data for GRCT NA area
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                   : 47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

```

END OF RUN

## APPENDIX D

### MOBILE 6.2 Output Files





































Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDLT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3223	0.4416	0.1504		0.0239	0.0003	0.0023	0.0578	0.0014	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.487	0.392	0.480	0.414	0.827	0.160	0.274	0.557	4.93	0.462
Composite NOX :	0.257	0.258	0.360	0.284	0.882	0.165	0.273	3.236	0.92	0.461

\*\*\*\*\*  
 \* MOBILE6.2.03 (24-Sep-2003) \*  
 \* Input file: 15OZ.IN (file 1, run 22). \*  
 \*\*\*\*\*  
 \*\*\*\*\*New London Arterials/Collectors \*\*\*\*\*

\* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external  
 \* data file: NLEVNE.D  
 M616 Comment:  
 User has supplied post-1999 sulfur levels.  
 M603 Comment:  
 User has disabled the calculation of REFUELING emissions.

\* Reading Registration Distributions from the following external  
 \* data file: CTREG05.D  
 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:  
 1.00 MYR sum not = 1. (will normalize)  
 M 49 Warning:  
 1.00 MYR sum not = 1. (will normalize)

\* Reading I/M program description records from the following external  
 \* data file: CTIM05PL.D  
 \*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)  
 \*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced the ASM  
 \*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR  
 \*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)  
 \*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)  
 \*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading ASM I/M Test Credits from ASMDATA.D  
 \*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading Hourly VMT distribution from the following external  
 \* data file: CTHVMT.DEF

\* Reading Hourly, Roadway, and Speed VMT dist. from the following external  
 \* data file: Z:\SER29A\2015\15SVMT6S.CTY

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: FCVMTA.CTY

Reading User Supplied ROADWAY VMT Factors  
 M615 Comment:  
 User supplied VMT mix.

#####  
 \* New London County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
 \* File 1, Run 22, Scenario 1.  
 #####  
 \*\*\* I/M credits for Tech1&2 vehicles were read from the following external  
 data file: TECH12.D

M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class LDLT12

LEV phase-in data read from file NLEVNE.D  
 Calendar Year: 2015  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 67.7 (F)  
 Maximum Temperature: 95.5 (F)  
 Minimum Rel. Hum.: 38.8 (%)  
 Maximum Rel. Hum.: 90.6 (%)  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: Yes

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDLT	HDDV	MC	All Veh
GVWR:										
VMT Distribution:	0.3394	0.4649	0.1584		0.0077	0.0003	0.0024	0.0184	0.0085	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.364	0.287	0.352	0.303	0.476	0.100	0.166	0.286	3.70	0.353
Composite NOX :	0.252	0.263	0.377	0.292	1.067	0.132	0.218	2.775	1.11	0.337

\*\*\*\*\*  
 \* MOBILE6.2.03 (24-Sep-2003) \*  
 \* Input file: 15OZ.IN (file 1, run 23). \*  
 \*\*\*\*\*











```

Exhaust I/M Program: Yes
Evap I/M Program: Yes
ATP Program: Yes
Reformulated Gas: Yes

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT HDDV MC All Veh
GVWR: <6000 >6000 (All)
VMT Distribution: 0.3223 0.4416 0.1504 0.0239 0.0003 0.0023 0.0578 0.0014 1.0000

Composite Emission Factors (g/mi):
Composite VOC : 0.366 0.285 0.355 0.303 0.435 0.096 0.159 0.266 3.54 0.328
Composite NOX : 0.265 0.286 0.427 0.322 1.061 0.123 0.202 2.426 1.12 0.443

```

```

*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 15OZ.IN (file 1, run 29). *
*****
*****Windham Expressway *****

```

```

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
M616 Comment:
User has supplied post-1999 sulfur levels.
M603 Comment:
User has disabled the calculation of REFUELING emissions.

```

```

* Reading Registration Distributions from the following external
* data file: CTREG05.D
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:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)

```

```

* Reading I/M program description records from the following external
* data file: CTIM05PL.D
*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)
*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced the ASM
*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)
*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

```

```

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

```

```

* Reading Hourly VMT distribution from the following external
* data file: CTHVMT.DEF

```

```

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: Z:\SER29A\2015\15SVMT8S.CTY

```

```

* Reading Hourly Roadway VMT distribution from the following external
* data file: FCVMTF.CTY

```

```

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
User supplied VMT mix.

```

```

* # # # # #
* Windham County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 29, Scenario 1.
* # # # # #
*** I/M credits for Tech1&2 vehicles were read from the following external
data file: TECH12.D
M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDDT12

```

```

LEV phase-in data read from file NLEVNE.D
Calendar Year: 2015
Month: July
Altitude: Low
Minimum Temperature: 67.7 (F)
Maximum Temperature: 95.5 (F)
Minimum Rel. Hum.: 38.8 (%)
Maximum Rel. Hum.: 90.6 (%)
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes
Evap I/M Program: Yes
ATP Program: Yes
Reformulated Gas: Yes

```

```

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT HDDV MC All Veh
GVWR: <6000 >6000 (All)
VMT Distribution: 0.3223 0.4416 0.1504 0.0239 0.0003 0.0023 0.0578 0.0014 1.0000

Composite Emission Factors (g/mi):
Composite VOC : 0.487 0.392 0.480 0.414 0.827 0.160 0.274 0.557 4.93 0.462
Composite NOX : 0.257 0.258 0.360 0.284 0.882 0.165 0.273 3.236 0.92 0.461

```





























Calendar Year: 2025  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 66.5 (F)  
 Maximum Temperature: 91.6 (F)  
 Minimum Rel. Hum.: 41.4 (%)  
 Maximum Rel. Hum.: 92.1 (%)  
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: Yes

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GWVR:	<6000	>6000	(All)							
VMT Distribution:	0.2933	0.4630	0.1578		0.0240	0.0003	0.0024	0.0578	0.0014	1.0000
-----										
Composite Emission Factors (g/mi):										
Composite VOC :	0.301	0.295	0.325	0.303	0.458	0.081	0.167	0.465	4.27	0.320
Composite NOX :	0.130	0.164	0.221	0.178	0.274	0.038	0.144	0.975	0.95	0.213

\*\*\*\*\*  
 \* MOBILE6.2.03 (24-Sep-2003) \*  
 \* Input file: 25OZ.IN (file 1, run 14). \*  
 \*\*\*\*\*Middlesex Arterials/Collectors \*\*\*\*\*

\* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external  
 \* data file: NLEVNE.D  
 M616 Comment:  
 User has supplied post-1999 sulfur levels.  
 M603 Comment:  
 User has disabled the calculation of REFUELING emissions.

\* Reading Registration Distributions from the following external  
 \* data file: CTREG05.D  
 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:  
 1.00 MYR sum not = 1. (will normalize)  
 M 49 Warning:  
 1.00 MYR sum not = 1. (will normalize)

\* Reading I/M program description records from the following external  
 \* data file: CTIM05PL.D  
 \*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)  
 \*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced the ASM  
 \*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR  
 \*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)  
 \*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)  
 \*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading ASM I/M Test Credits from ASMDATA.D  
 \*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading Hourly VMT distribution from the following external  
 \* data file: CTHVMT.DEF

\* Reading Hourly, Roadway, and Speed VMT dist. from the following external  
 \* data file: Z:\SER29A\2025\25SVMT4S.CTY

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: FCVMTA.CTY

Reading User Supplied ROADWAY VMT Factors  
 M615 Comment:  
 User supplied VMT mix.

\*\*\*\*\*  
 \* Middlesex County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
 \* File 1, Run 14, Scenario 1.  
 \*\*\*\*\*  
 \*\*\* I/M credits for Tech1&2 vehicles were read from the following external  
 data file: TECH12.D  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class LDDT12

LEV phase-in data read from file NLEVNE.D  
 Calendar Year: 2025  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 66.5 (F)  
 Maximum Temperature: 91.6 (F)  
 Minimum Rel. Hum.: 41.4 (%)  
 Maximum Rel. Hum.: 92.1 (%)  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: Yes

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
---------------	------	--------	--------	------	------	------	------	------	----	---------













Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDLT	HDDV	MC	All Veh
VMT Distribution:	0.2933	0.4630	0.1578		0.0240	0.0003	0.0024	0.0578	0.0014	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.304	0.302	0.333	0.310	0.466	0.081	0.167	0.465	4.39	0.326
Composite NOX :	0.134	0.164	0.222	0.179	0.274	0.038	0.144	0.975	0.92	0.215

\*\*\*\*\*  
 \* MOBILE6.2.03 (24-Sep-2003) \*  
 \* Input file: 25OZ.IN (file 1, run 22). \*  
 \*\*\*\*\*  
 \*\*\*\*\*New London Arterials/Collectors \*\*\*\*\*

\* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external  
 \* data file: NLEVNE.D  
 M616 Comment:  
 User has supplied post-1999 sulfur levels.  
 M603 Comment:  
 User has disabled the calculation of REFUELING emissions.

\* Reading Registration Distributions from the following external  
 \* data file: CTREG05.D  
 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:  
 1.00 MYR sum not = 1. (will normalize)  
 M 49 Warning:  
 1.00 MYR sum not = 1. (will normalize)

\* Reading I/M program description records from the following external  
 \* data file: CTIM05PL.D  
 \*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)  
 \*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced the ASM  
 \*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR  
 \*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)  
 \*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)  
 \*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading ASM I/M Test Credits from ASMDATA.D  
 \*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading Hourly VMT distribution from the following external  
 \* data file: CTHVMT.DEF

\* Reading Hourly, Roadway, and Speed VMT dist. from the following external  
 \* data file: Z:\SER29A\2025\25SVMT6S.CTY

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: FCVMTA.CTY

Reading User Supplied ROADWAY VMT Factors  
 M615 Comment:  
 User supplied VMT mix.

#####  
 \* New London County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
 \* File 1, Run 22, Scenario 1.  
 #####  
 \*\*\* I/M credits for Tech1&2 vehicles were read from the following external  
 data file: TECH12.D  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class LDLT12

LEV phase-in data read from file NLEVNE.D  
 Calendar Year: 2025  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 67.7 (F)  
 Maximum Temperature: 95.5 (F)  
 Minimum Rel. Hum.: 38.8 (%)  
 Maximum Rel. Hum.: 90.6 (%)  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: Yes

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDLT	HDDV	MC	All Veh
VMT Distribution:	0.3091	0.4873	0.1662		0.0077	0.0003	0.0025	0.0184	0.0085	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.214	0.213	0.237	0.219	0.248	0.050	0.100	0.244	3.19	0.243
Composite NOX :	0.126	0.168	0.238	0.186	0.330	0.030	0.115	0.795	1.11	0.188

\*\*\*\*\*  
 \* MOBILE6.2.03 (24-Sep-2003) \*  
 \* Input file: 25OZ.IN (file 1, run 23). \*  
 \*\*\*\*\*



















































```

* data file: FCVMTL.CTY

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
    User supplied VMT mix.

* # # # # #
* New Haven County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 19, Scenario 1.
* # # # # #
*** I/M credits for Tech1&2 vehicles were read from the following external
data file: TECH12.D
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M 48 Warning:
    there are no sales for vehicle class LDDT12

LEV phase-in data read from file NLEVNE.D
    Calendar Year: 2035
    Month: July
    Altitude: Low
    Minimum Temperature: 66.5 (F)
    Maximum Temperature: 91.6 (F)
    Minimum Rel. Hum.: 41.4 (%)
    Maximum Rel. Hum.: 92.1 (%)
    Fuel Sulfur Content: 30. ppm

    Exhaust I/M Program: Yes
    Evap I/M Program: Yes
    ATP Program: Yes
    Reformulated Gas: Yes

    Vehicle Type: LDGV LDGT12 LDGT34 LDGT (All) HDGV LDDV LDDT HDDV MC All Veh
    GVWR: <6000 >6000
    VMT Distribution: 0.3084 0.4861 0.1657 0.0081 0.0003 0.0025 0.0193 0.0096 1.0000

Composite Emission Factors (g/mi):
Composite VOC : 0.297 0.293 0.315 0.299 0.415 0.076 0.152 0.444 4.27 0.339
Composite NOX : 0.120 0.160 0.204 0.171 0.137 0.031 0.130 0.539 0.95 0.170

*****
* MOBILE6.2.03 (24-Sep-2003)
* Input file: 35OZ.IN (file 1, run 20).
*****
*****New Haven Ramp *****

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
M616 Comment:
    User has supplied post-1999 sulfur levels.
M603 Comment:
    User has disabled the calculation of REFUELING emissions.

* Reading Registration Distributions from the following external
* data file: CTREG05.D
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:
    1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
    1.00 MYR sum not = 1. (will normalize)

* Reading I/M program description records from the following external
* data file: CTIM05PL.D
*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)
*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced the ASM
*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)
*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading Hourly VMT distribution from the following external
* data file: CTHVMT.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: Z:\SER29A\2035\35SVMT5S.CTY

* Reading Hourly Roadway VMT distribution from the following external
* data file: FCVMTL.CTY

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
    User supplied VMT mix.

* # # # # #
* New Haven County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 20, Scenario 1.
* # # # # #
*** I/M credits for Tech1&2 vehicles were read from the following external
data file: TECH12.D
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M 48 Warning:

```

there are no sales for vehicle class LDDT12

LEV phase-in data read from file NLEVNE.D
Calendar Year: 2035
Month: July
Altitude: Low
Minimum Temperature: 66.5 (F)
Maximum Temperature: 91.6 (F)
Minimum Rel. Hum.: 41.4 (%)
Maximum Rel. Hum.: 92.1 (%)
Fuel Sulfur Content: 30. ppm
Exhaust I/M Program: Yes
Evap I/M Program: Yes
ATP Program: Yes
Reformulated Gas: Yes

Table with 11 columns: Vehicle Type, GVWR, VMT Distribution, Composite Emission Factors (g/mi) for VOC, NOX, and other metrics.

\*\*\*\*\*
\* MOBILE6.2.03 (24-Sep-2003)
\* Input file: 35OZ.IN (file 1, run 21).
\*\*\*\*\*
\*\*\*\*\*New London Expressway \*\*\*\*\*

\* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
\* data file: NLEVNE.D
M616 Comment:
User has supplied post-1999 sulfur levels.
M603 Comment:
User has disabled the calculation of REFUELING emissions.

\* Reading Registration Distributions from the following external
\* data file: CTREG05.D
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:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)

\* Reading I/M program description records from the following external
\* data file: CTIM05PL.D
\*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)
\*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced the ASM
\*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
\*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)
\*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)
\*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading ASM I/M Test Credits from ASMDATA.D
\*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading Hourly VMT distribution from the following external
\* data file: CTHVMT.DEF

\* Reading Hourly, Roadway, and Speed VMT dist. from the following external
\* data file: Z:\SER29A\2035\35SVMT6S.CTY

\* Reading Hourly Roadway VMT distribution from the following external
\* data file: FCVMTF.CTY

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
User supplied VMT mix.

\*\*\*\*\*
\* New London County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
\* File 1, Run 21, Scenario 1.
\*\*\*\*\*
\*\*\* I/M credits for Tech1&2 vehicles were read from the following external
data file: TECH12.D

M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDDT12

LEV phase-in data read from file NLEVNE.D
Calendar Year: 2035
Month: July
Altitude: Low
Minimum Temperature: 67.7 (F)
Maximum Temperature: 95.5 (F)
Minimum Rel. Hum.: 38.8 (%)
Maximum Rel. Hum.: 90.6 (%)
Fuel Sulfur Content: 30. ppm
Exhaust I/M Program: Yes
Evap I/M Program: Yes
ATP Program: Yes

Reformulated Gas: Yes

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDLT	HDDV	MC	All Veh
VMT Distribution:	0.2935	0.4631	0.1578		0.0239	0.0003	0.0024	0.0576	0.0014	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.300	0.300	0.322	0.306	0.422	0.076	0.152	0.445	4.39	0.320
Composite NOX :	0.124	0.161	0.204	0.172	0.137	0.031	0.130	0.540	0.92	0.179

\*\*\*\*\*  
 \* MOBILE6.2.03 (24-Sep-2003) \*  
 \* Input file: 35OZ.IN (file 1, run 22). \*  
 \*\*\*\*\*  
 \*\*\*\*\*New London Arterials/Collectors \*\*\*\*\*

\* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external  
 \* data file: NLEVNE.D  
 M616 Comment:  
 User has supplied post-1999 sulfur levels.  
 M603 Comment:  
 User has disabled the calculation of REFUELING emissions.

\* Reading Registration Distributions from the following external  
 \* data file: CTREG05.D  
 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:  
 1.00 MYR sum not = 1. (will normalize)  
 M 49 Warning:  
 1.00 MYR sum not = 1. (will normalize)

\* Reading I/M program description records from the following external  
 \* data file: CTIM05PL.D  
 \*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)  
 \*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced the ASM  
 \*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR  
 \*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)  
 \*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)  
 \*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading ASM I/M Test Credits from ASMDATA.D  
 \*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

\* Reading Hourly VMT distribution from the following external  
 \* data file: CTHVMT.DEF

\* Reading Hourly, Roadway, and Speed VMT dist. from the following external  
 \* data file: Z:\SER29A\2035\35SVMT6S.CTY

\* Reading Hourly Roadway VMT distribution from the following external  
 \* data file: FCVMTA.CTY

Reading User Supplied ROADWAY VMT Factors  
 M615 Comment:  
 User supplied VMT mix.

#####  
 \* New London County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2  
 \* File 1, Run 22, Scenario 1.  
 #####  
 \*\*\* I/M credits for Tech1&2 vehicles were read from the following external  
 data file: TECH12.D  
 M 48 Warning:  
 there are no sales for vehicle class HDGV8b  
 M 48 Warning:  
 there are no sales for vehicle class LDLT12

LEV phase-in data read from file NLEVNE.D  
 Calendar Year: 2035  
 Month: July  
 Altitude: Low  
 Minimum Temperature: 67.7 (F)  
 Maximum Temperature: 95.5 (F)  
 Minimum Rel. Hum.: 38.8 (%)  
 Maximum Rel. Hum.: 90.6 (%)  
 Fuel Sulfur Content: 30. ppm  
 Exhaust I/M Program: Yes  
 Evap I/M Program: Yes  
 ATP Program: Yes  
 Reformulated Gas: Yes

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDLT	HDDV	MC	All Veh
VMT Distribution:	0.3091	0.4873	0.1662		0.0077	0.0003	0.0025	0.0184	0.0085	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.216	0.217	0.235	0.222	0.238	0.048	0.093	0.243	3.26	0.246
Composite NOX :	0.118	0.167	0.223	0.181	0.164	0.025	0.105	0.433	1.10	0.174

\*\*\*\*\*  
 \* MOBILE6.2.03 (24-Sep-2003) \*  
 \* Input file: 35OZ.IN (file 1, run 23). \*  
 \*\*\*\*\*











```

Exhaust I/M Program: Yes
Evap I/M Program: Yes
ATP Program: Yes
Reformulated Gas: Yes

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT HDDV MC All Veh
GVWR: <6000 >6000 (All)
VMT Distribution: 0.2935 0.4631 0.1578 0.0239 0.0003 0.0024 0.0576 0.0014 1.0000

Composite Emission Factors (g/mi):
Composite VOC : 0.204 0.204 0.225 0.209 0.198 0.044 0.084 0.212 2.99 0.211
Composite NOX : 0.119 0.179 0.260 0.200 0.165 0.023 0.096 0.397 1.12 0.187

```

```

*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 35OZ.IN (file 1, run 29). *
*****
*****Windham Expressway *****

```

```

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
M616 Comment:
User has supplied post-1999 sulfur levels.
M603 Comment:
User has disabled the calculation of REFUELING emissions.

```

```

* Reading Registration Distributions from the following external
* data file: CTREG05.D
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:
1.00 MYR sum not = 1. (will normalize)
M 49 Warning:
1.00 MYR sum not = 1. (will normalize)

```

```

* Reading I/M program description records from the following external
* data file: CTIM05PL.D
*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)
*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced the ASM
*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)
*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

```

```

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

```

```

* Reading Hourly VMT distribution from the following external
* data file: CTHVMT.DEF

* Reading Hourly, Roadway, and Speed VMT dist. from the following external
* data file: Z:\SER29A\2035\35SVMT8S.CTY

* Reading Hourly Roadway VMT distribution from the following external
* data file: FCVMTF.CTY

```

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Reading User Supplied ROADWAY VMT Factors
M615 Comment:
User supplied VMT mix.

```

```

* # # # # #
* Windham County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 29, Scenario 1.
* # # # # #
*** I/M credits for Tech1&2 vehicles were read from the following external
data file: TECH12.D
M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDDT12

```

```

LEV phase-in data read from file NLEVNE.D
Calendar Year: 2035
Month: July
Altitude: Low
Minimum Temperature: 67.7 (F)
Maximum Temperature: 95.5 (F)
Minimum Rel. Hum.: 38.8 (%)
Maximum Rel. Hum.: 90.6 (%)
Fuel Sulfur Content: 30. ppm

```

```

Exhaust I/M Program: Yes
Evap I/M Program: Yes
ATP Program: Yes
Reformulated Gas: Yes

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT HDDV MC All Veh
GVWR: <6000 >6000 (All)
VMT Distribution: 0.2935 0.4631 0.1578 0.0239 0.0003 0.0024 0.0576 0.0014 1.0000

Composite Emission Factors (g/mi):
Composite VOC : 0.300 0.300 0.322 0.306 0.422 0.076 0.152 0.445 4.39 0.320
Composite NOX : 0.124 0.161 0.204 0.172 0.137 0.031 0.130 0.540 0.92 0.179

```





