

Connecticut Department of Transportation

OZONE Air Quality Conformity Determination

**of the
2011 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**



March 2011

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 document the emissions analysis that was completed to evaluate Fiscal Year 2011 Conformity of the Statewide Transportation Improvement Program (STIP) and the Regional Long Range Transportation Plans (LRTP) to the State Implementation Plan (SIP) for air quality. This submittal incorporates the FY 2010-2013 STIP and LRTPs from Connecticut's Regional Planning Organizations (RPOs), and revised Mobile Vehicle Emission Budgets (MVEBs).

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

The statewide travel demand models were rerun, along with accompanying Vehicle Miles of Travel (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's.

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.¹ 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.

The 2009 MVEBs established in 2008 for each of Connecticut's non-attainment areas

¹ 40CFR Part 52

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. Connecticut's withdrawal of the 2012 MVEBs was published in the Federal Register on February 15, 2011 and the budget change became effective 15 days after publication of the announcement.

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.²

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.

Hydrocarbons or Volatile Organic Compounds (VOC)

Hydrocarbon emissions are a product of partial fuel combustion, fuel evaporation and

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

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.

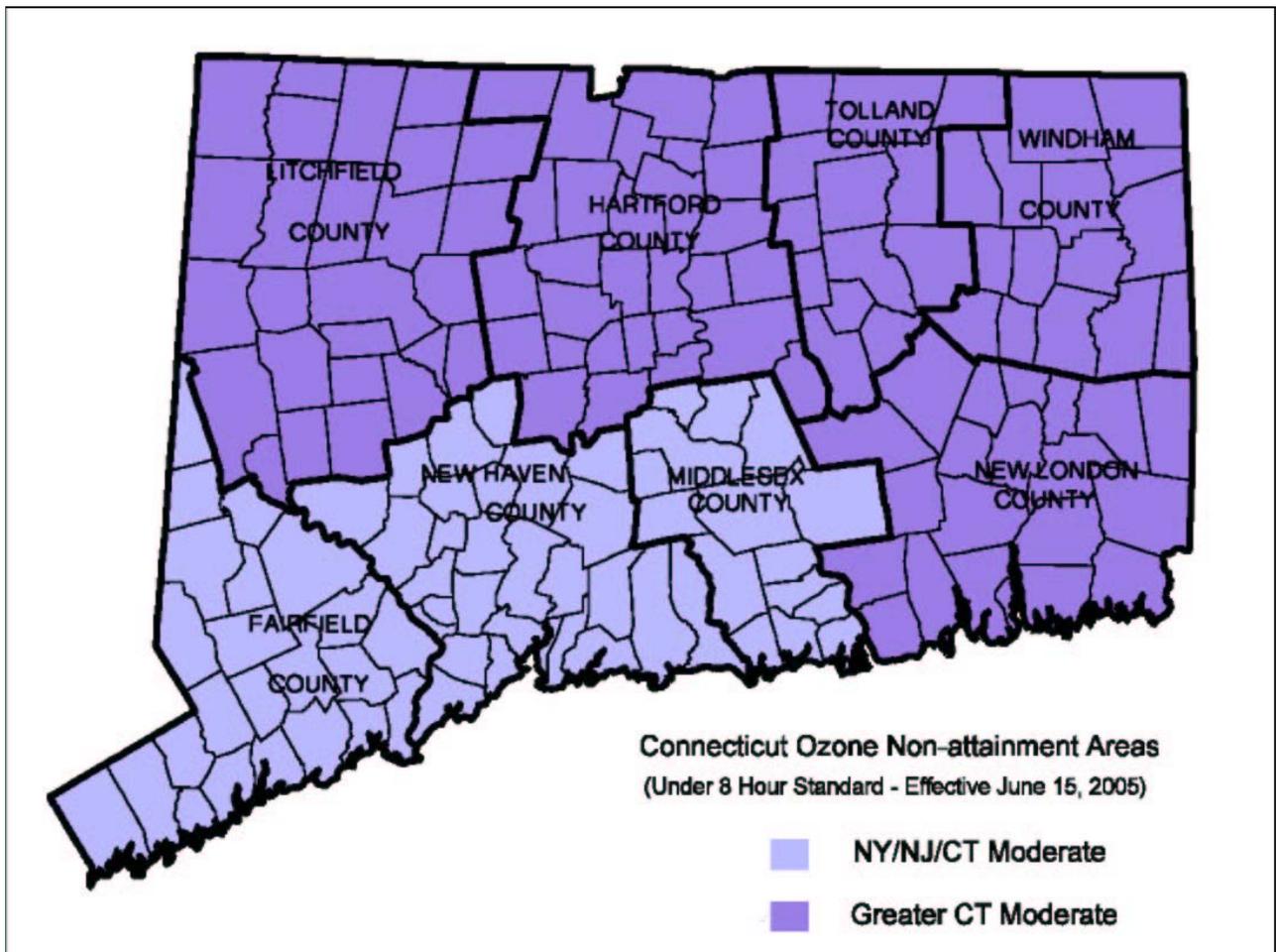


Figure 1: Connecticut Ozone Non-attainment Areas

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 (interim modeling year)
- 2040 (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_x 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_x 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 March 8, 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 Meeting 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 2010 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 2012, 2015, 2020 and 2030 and transit networks for 2012, 2013, 2015, 2020 and 2030 were built by adding Statewide Transportation Improvement Program (STIP), TIP and LRTP projects (programmed for opening after 2010) to the 2010 network. These networks were used to run travel models and conduct emissions analysis for the years 2015, 2025, 2035, and 2040. 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

<u>2012 NETWORK CHANGES</u>			
REGION	PROJECT NO.	DESCRIPTION	LANES FROM TO
HIGHWAY NAME	TOWN	IMPROVEMENT	
GREATER BRIDGEPORT			
0301-0060		Black Rock, Fairfield Main St Train Station	N/A
FAIRFIELD		Long Range Plan	
NEW RAIL STATION			
HOUSATONIC VALLEY			
0034-0260		From Stars Plain Rd. to 0.4 mile south of Wooster	1/1 2/2
US 7		Heights Rd. Phase 2- project with 0034-315 for	
DANBURY		modeling	
RECONSTRUCTION		BID 10-09-07, CCD 11-18-11, TIP.	
0034-0313		Interchanges 6	3/3 4/4
I-84		Long Range Plan CCD 2012	
DANBURY,			
NEWTOWN,			
SOUTHBURY			
0034-0330		Operational lanes on I-84 EB/WB between Exit 1 and	3/3 4/4
I-84		Exit 2	
DANBURY		CCD Nov 2012, TIP	
OPERATIONAL LANE			
SOUTH CENTRAL			
0092-0618		Brkout "Q" Brg Project 0092-0531, Construction NB	Varies
I-95		Approach and River Piers.	
NEW HAVEN		9-21-2011, TIP	
BRGE.			
REPLACEMENT			
0092-0619		Breakout of Project No.0092-0531, the reconstruction	3/3 5/5
I-95		of the I-91/I-95/Route 34 interchange Associated with	
NEW HAVEN		Q-Bridge Replacement.	
UPGRD		CCD 11-30-11, TIP.	
EXPRESSWAY			
SOUTH WESTERN			
0135-XXXX		Phase I from State and Elm Street to the Stamford	Varies 3/3
STAMFORD		Train Station. Phase II from East Main Street (RT 1)	
TRANSITWAY		to Elm Street. Two HOV lanes plus four lanes.	
STAMFORD		Estimated CCD 12-1-2012. Long Range Plan	
WIDENING/HOV			

TABLE 1: LIST OF NETWORK CHANGES

<u>2015 NETWORK CHANGES</u>			
REGION	PROJECT NO.	DESCRIPTION	LANES
HIGHWAY NAME	TOWN		FROM
IMPROVEMENT			TO
CAPITOL			
0051-0260		Add EB Lane in Farmington Center.	1/1
RT 4		CCD 12/12/12 Long Range Plan.	2/1
FARMINGTON			
ADD LANE			
0063-XXXX		Rebuild interchange from half to full. Long Range	N/A
I84/FLATBUSH AVE.		Plan. EST CCD 3-30-2014	
HARTFORD			
INTERCHANGE			
0171-0305		From New Britain to Hartford, District 1 funding	N/A
NEW BRITAIN-		Hartford and New Britain.	
HARTFORD		TIP CCD 8/14/2014	
BUSWAY			
CENTRAL CONNECTICUT			
0088-0160		Extension from South Main Street to Arch Street.	0/0
HART STREET		Congressional earmark	2/2
NEW BRITAIN		Est. Completion After 1-1-2013, TIP.	
NEW ROAD			
0171-0305		From New Britain to Hartford, District 1 funding	N/A
NEW BRITAIN-		Hartford and New Britain.	
HARTFORD		Long Range Plan CCD 8-14-2014	
BUSWAY			
CENTRAL NAUGATUCK VALLEY			
0151-0296		Homer St. / Chase Ave Waterville St. to Nottingham	1/1
WATERBURY		Terrace	2/2
WIDENING		Long Range Plan, CCD 1-9-2013	
0151-0297		Chase Ave. Nottingham Terrace to North Main Street	1/1
WATERBURY		Long Range Plan	2/2
WIDENING		CCD 21/1/2014	
0151-XXXX		Boyden Street Extension Construct new road from	
BOYDEN ST		Bucks Hill Rd. to North Main St.	
WATERBURY		Long Range Plan	
EXTENSION			

TABLE 1: LIST OF NETWORK CHANGES (CONT'D.)

<u>2015 NETWORK CHANGES</u>				
REGION	PROJECT NO.	DESCRIPTION	LANES	
HIGHWAY NAME	TOWN	IMPROVEMENT	FROM	TO
SOUTH CENTRAL				
0092-0532		Q Bridge Replacement and demolition; Contract B CCD 6-30-15, TIP.	3/3	5/5
I-95	NEW HAVEN			
	BRGE			
	REPLACEMENT			
0092-XXXX		Reconstruction of Route 34 to at grade Boulevard Long Range Plan	N/A	
Route 34	NEW HAVEN			
	BOULEVARD			
0106-0116		New Rail Station in West Haven Long Range Plan Est. 12/3/12.	N/A	
METRO NORTH	WEST HAVEN			
	NEW RAIL STATION			
SOUTH WESTERN				
0102-0278		Add auxiliary lanes between Int. 14 and 15 (NB and SB) on I-95 CCD 12-1-2014	3/3	4/4
I-95	NORWALK			
	OPERATIONAL			
	LANES			
VALLEY				
0036-0184		Main Street Derby from Bridge St to Rte 8 South Exit15 On/Off Ramps (Ansonio Dr) Long Range Plan. Nov 2014	1/1	2/2
ROUTE 34	DERBY			
	MAJOR WIDENING			
WINDHAM				
0077-0215		Extension of existing Hillside Road to Route 44. Congressional earmark, Estimated 2015, TIP.	0/0	1/1
HILLSIDE ROAD	MANSFIELD			
	NEW ROAD			

TABLE 1: LIST OF NETWORK CHANGES

<u>2020 NETWORK CHANGES</u>				
REGION	PROJECT NO.	DESCRIPTION	LANES	
HIGHWAY NAME	TOWN		FROM	TO
IMPROVEMENT				
CAPITOL				
0051-0259		Interchange improvements at Routes 4, 6, and 9 including a new EB C/D Roadway	N/A	
I84/RT4/RT6		BID 12-31-08, CCD 2019, TIP.		
FARMINGTON				
INTERCHANGE BSWY				
0155-0156		Add an Operational Lane WB between Interchanges 42 & 39A; Add an Operational Lane EB between Interchanges 40 & 41	3/3	4/4
I-84		CCD 2018		
WEST HARTFORD				
OPERATIONAL				
LANES				
GREATER BRIDGEPORT				
0015-HXXX		Reconstruct and widen Route 130 from Stratford Avenue bridge to Yellow Mill bridge	1/1	2/2
RTE 130		Long Range Plan		
BRIDGEPORT				
WIDENING				
SOUTH CENTRAL				
0092-0531		Reconstruction of I-95/I91/Rte 34 Interchange	Varies	
I-95		Associated with Q-Bridge Replacement.		
NEW HAVEN		CCD 11-30-16, TIP.		
UPGRD				
EXPRESSWAY				
0092-0622		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	1/1	2/2
I-95		0092-0531		
NEW HAVEN		CCD 11-30-16, TIP.		
UPGRD				
EXPRESSWAY				
0092-0627		Reconstruction of I-95/I91/Rte 34 Interchange	3/3	5/5
I-95		Associated with Q-Bridge Replacement. 92-		
NEW HAVEN		531 Breakout of Project 0092-0531		
BRDG		CCD 11-30-16, TIP.		
REPLACEMENT				

TABLE 1: LIST OF NETWORK CHANGES (CONT'D.)

		<u>2020 NETWORK CHANGES</u>		
REGION	PROJECT NO.	DESCRIPTION	LANES	
HIGHWAY NAME	TOWN		FROM	TO
IMPROVEMENT				
VALLEY				
0124-0165	ROUTE 67	**As of 2/15/2011 current scope from consultant is spot improvements for from Swan Ave to Franklin St	1/1	2/2
SEYMOUR	MAJOR WIDENING	Project Manager **Bank Street from West Street to North Main St is full scope being reviewed by consultant Long Range Plan		
0124-XXXX	ROUTE 8	Between Interchange 22 and 23; improve access.	N/A	
SEYMOUR	INTERCHANGE	Long Range Plan.		
0124-XXXX	ROUTE 8	Realign interchange with new extension of Derby Road.	N/A	
SEYMOUR	INTERCHANGE	Long Range Plan.		
0126-XXXX	ROUTE 8	Interchange 11 - Construct new SB entrance ramp,	N/A	
SHELTON	INTERCHANGE	Widen Bridgeport Ave. Long Range Plan.		
0126-XXXX	ROUTE 714	Between Huntington Ave. and Constitution Boulevard	1/1	2/2
SHELTON	MAJOR WIDENING	Long Range Plan.		

TABLE 1: LIST OF NETWORK CHANGES

<u>2030 NETWORK CHANGES</u>				
REGION	PROJECT NO.	DESCRIPTION	LANES FROM	TO
HIGHWAY NAME	TOWN	IMPROVEMENT		
CAPITOL				
VARIOUS TOWNS		New Haven/Hartford/Springfield Rail Service	N/A	
NEW COMMUTER		Governor's Transportation Initiative		
RAIL		Long Range Plan		
CENTRAL CONNECTICUT				
0109-XXXX		New Britain Ave. Cooke St. to Hooker St.	1/1	2/2
PLAINVILLE		Long Range Plan.		
ADD LANE				
VARIOUS TOWNS		New Haven/Hartford/Springfield Rail Service	N/A	
NEW COMMUTER		Governor's Transportation Initiative		
RAIL		Long Range Plan		
CENTRAL NAUGATUCK VALLEY				
0151-0273		Reconstruct Expressway and Operational	2/2	3/3
I-84		Improvements including Interchanges. Hamilton Ave.		
WATERBURY		to opposite Pierpoint		
UPGRD		BID 02-22-06, CCD 2021, TIP.		
EXPRESSWAY				
HOUSATONIC VALLEY				
0018-0124		South of Old State Road to Rt. 133.	1/1	2/2
US 202		Long Range Plan.		
BROOKFIELD				
WIDENING				
0034-0288		From Kenosia Avenue easterly to I-84 (Exit 4)	1/1	2/2
ROUTE 6		Long Range Plan		
DANBURY				
ADD LANES				
0034-H036		From Byron St. in Danbury to Plumtrees St. in	1/1	2/2
SR 806		Danbury; Long Range Plan.		
DANBURY				
MAJOR WIDENING				
0034-XXXX		From I-84 (Exit 2) East to Kenosia Avenue	1/1	2/2
ROUTE 6		Long Range Plan		
DANBURY				
ADD LANES				

TABLE 1: LIST OF NETWORK CHANGES (CONT'D.)

<u>2030 NETWORK CHANGES</u>			
REGION	DESCRIPTION	LANES	
PROJECT NO.		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
HOUSATONIC VALLEY (CONT'D.)			
0034-XXXX ROUTE 37 DANBURY ADD LANES	From Route I-84 (Exit 6) Northerly to Jeanette Street Long Range Plan	1/1	2/2
0034-XXXX I-84 DANBURY, NEWTOWN, SOUTHBURY	Between Interchanges 3 and 4. Between Interchanges 12 and 13 Long Range Plan	3/3	4/4
0034-XXXX DANBURY ADD LANES	Widen Kenosia Ave from Backus Avenue to Vicinity of Lake Kenosia Long Range Plan	1/1	2/2
0034-XXXX DANBURY ADD LANES	Widen Backus Avenue from Kenosia Ave to Miry Brook Road Long Range Plan	1/1	2/2
0034-XXXX ROUTE 53 DANBURY ADD LANES	From South Street northerly to Boughton Street; Long Range Plan.	1/1	2/2
0034-XXXX ROUTE 37 DANBURY ADD LANES	From Route 53(Main Street) to northerly to I-84 (Exit 6) Long Range Plan	1/1	2/2
0096-XXXX NEWTOWN NEW ROAD WIDENING	New Road across Old Fairfield Hills Hospital Campus, From Route 6 South to Route 860 Long Range Plan		1/1
SOUTH CENTRAL			
0014-XXXX Rte1 BRANFORD WIDENING	East Haven TL to Alps Rd (Echlin Rd Private) Long Range Plan	2/2	2/3

TABLE 1: LIST OF NETWORK CHANGES (CONT'D.)

		<u>2030 NETWORK CHANGES</u>		
REGION	PROJECT NO.	DESCRIPTION	LANES	
HIGHWAY NAME	TOWN	IMPROVEMENT	FROM	TO
SOUTH CENTRAL (CONT'D.)				
0014-XXXX	Rte1	Rt 146 to Cedar St Long Range Plan	2/2	2/3
BRANFORD				
WIDENING				
0014-XXXX	Rte1	Cedar St to East Main Long Range Plan	1/1	½
BRANFORD				
WIDENING				
0014-XXXX	Rte1	East Main to 1-95 Exit 55 Long Range Plan	1/1	½
BRANFORD				
WIDENING				
0014-XXXX	Rte1	I-95 Exit 55 to Leetes Island Rd Long Range Plan	1/1	½
BRANFORD				
WIDENING				
0059-XXXX		Bullard Rd extension to Route 77 Long Range Plan		1/1
BULLARD RD				
GUILFORD				
EXTENSION				
0059-XXXX	RTE 1	State Street to Tanner Marsh Rd. Long Range Plan.	1/1	½
GUILFORD				
WIDENING				
0061-XXXX	RTE 10	Washington Ave to Rte 40 Long Range Plan	2/2	2/3
HAMDEN				
WIDENING				
0061-XXXX	RTE 10	Rte 40 to Todd St Long Range Plan	2/2	2/3
HAMDEN				
WIDENING				

TABLE 1: LIST OF NETWORK CHANGES (CONT'D.)

2030 NETWORK CHANGES			
REGION	PROJECT NO.	DESCRIPTION	LANES
HIGHWAY NAME	TOWN		FROM TO
IMPROVEMENT			
SOUTH CENTRAL (CONT'D.)			
0061-XXXX	Todd St to Shepard Ave	1/1	2/2
RTE 10	Long Range Plan		
HAMDEN			
WIDENING			
0061-XXXX	River St to Cheshire TL	1/1	2/2
RTE 10	Long Range Plan		
HAMDEN			
WIDENING			
0061-XXXX	Olds St (Hamden) to Sackett Point Rd.	1/1	2/2
US 5	Long Range Plan.		
HAMDEN, NO.HAVEN			
WIDENING			
0079-XXXX	Wallingford TL to Olive St (Rt. 71).	1/1	2/2
RTE 5	Long Range Plan		
MERIDEN			
WIDENING			
0083-XXXXb	From West of Old Gate Ln. to Gulf St./ Clark St. to	1/1	1/2
RTE 162	US 1		
MILFORD	Long Range Plan.		
WIDENING			
0092-XXXX	Long Wharf access Plan Widen I-95(in separate	Varies	
NEW HAVEN	project), Eliminate Long Wharf Drive to expand park,		
	add new road from Long Wharf Drive		
	Long Range Plan		
0092-XXXX	From Rte 63 to Landin St	1/1	2/2
RTE 69	Long Range Plan.		
NEW HAVEN,			
WOODBIDGE			
WIDENING			

TABLE 1: LIST OF NETWORK CHANGES (CONT'D.)

<u>2030 NETWORK CHANGES</u>			
REGION	DESCRIPTION	LANES	
PROJECT NO.		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
SOUTH CENTRAL (CONT'D.)			
0092-XXXX RTE 63 NEW HAVEN, WOODBIDGE WIDENING	From Dayton St (NH) to Landin St (Wdbg) Long Range Plan.	1/2	2/3
0098-XXXX RTE 80 NO. BRANFORD WIDENING	From East Haven TL to Doral Farms Rd and 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 US 5 WALLINGFORD WIDENING	From South Orchard St. to Ward St. and Christian Rd. to Meriden TL 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
0156-XXXX RTE 122 WEST HAVEN WIDENING	US 1 to Elm St 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

TABLE 1: LIST OF NETWORK CHANGES (CONT'D.)

<u>2030 NETWORK CHANGES</u>			
REGION	DESCRIPTION	LANES	
PROJECT NO.		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
SOUTH CENTRAL (CONT'D.)			
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
VARIOUS TOWNS NEW COMMUTER RAIL	New Haven/Hartford/Springfield Rail Service Governor's Transportation Initiative Long Range Plan	N/A	
SOUTH WESTERN			
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
0102-0269 US 7/RT 15 NORWALK UPGRD EXPRESSWAY	Upgrade to full interchange at Merritt Parkway (Rt. 15). BID 01-09-08, CCD 2030, Long Range Plan	N/A	
0102-0297 EAST AVE #1 NORWALK WIDEN	East Avenue from the vicinity of the I-95 Ramps southerly to the vicinity of Van Zant Street Long Range Plan	1/1	2/2
0102-0312 US 7/RT 15 NORWALK UPGRD EXPRESSWAY	Reconstruction of Interchange 40 Merritt Parkway, and US 7(Main Ave.). Breakout of 0102-0269, PHASE 1 CCD 2030 Long Range Plan	N/A	

TABLE 1: LIST OF NETWORK CHANGES (CONT'D.)

<u>2030 NETWORK CHANGES</u>			
REGION	DESCRIPTION	LANES	
PROJECT NO.		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
SOUTH WESTERN (CONT'D.)			
0102-XXXX NORWALK, GREENWICH BRT	Express Bus/BRT between Norwalk and Greenwich Long Range Plan	N/A	
VALLEY			
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.	N/A	
0126-XXXX ROUTE 8 SHELTON INTERCHANGE	Interchange 14 - Construct new SB entrance ramp Long Range Plan.	N/A	

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 2005 State Data Center employment

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

The model uses a constrained equilibrium approach to allocate trips among links. The model was calibrated using 2009 ground counts and 2009 Highway Performance Monitoring System (HPMS) Vehicle Miles of Travel data.

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 2040 DVMT, Action Emissions and Eight-Hour Budgets for Volatile Organic Compounds (VOC), and Nitrogen Oxides (NOX) resulting from this process.

TABLE 2

March 2011

**VMT - OZONE EMISSIONS - SIP BUDGETS
SERIES 29B**

Year	Ozone Area	SERIES 29B			BUDGETS		DIFFERENCE	
		VMT	VOC	NOX	VOC	NOX	VOC	NOX
2009 S28I	Ct. Portion of NY-NJ-LI area	51,342,464	26.78	52.00	27.40	54.60	-0.62	-2.60
	Greater Ct. Portion	47,043,284	24.77	45.33	26.30	49.20	-1.53	-3.87
2015	Ct. Portion of NY-NJ-LI area	51,770,104	19.11	25.16	27.40	54.60	-8.29	-29.44
	Greater Ct. Portion	47,538,552	17.59	22.28	26.30	49.20	-8.71	-26.92
2025	Ct. Portion of NY-NJ-LI area	55,459,560	14.06	13.01	27.40	54.60	-13.34	-41.59
	Greater Ct. Portion	51,707,276	13.04	11.88	26.30	49.20	-13.26	-37.32
2035	Ct. Portion of NY-NJ-LI area	58,307,232	14.57	11.76	27.40	54.60	-12.83	-42.84
	Greater Ct. Portion	55,241,176	13.87	11.01	26.30	49.20	-12.43	-38.19
2040	Ct. Portion of NY-NJ-LI area	59,477,812	14.94	11.99	27.40	54.60	-12.46	-42.61
	Greater Ct. Portion	56,859,908	14.42	11.36	26.30	49.20	-11.88	-37.84

- 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. Eight Hour Ozone emission budgets effective June 27, 2008.
 7. Series 29B run with 20 Iteration equilibrium assignment.
 8. Year 2009 VMT and emissions are based on Series 28I.

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.

PM₁₀

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 (PM₁₀). The PM₁₀ 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 PM₁₀, March 1994). Corrective actions were subsequently identified in the State Implementation Plan and implemented, with no violations of the PM₁₀ 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 PM₁₀ 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 PM₁₀. 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" PM₁₀ analyses for new transportation projects with significant diesel traffic in accordance with EPA's Final Rule for "PM_{2.5} and PM₁₀ Hot-Spot Analyses in Project-level Transportation Conformity Determinations for the New PM_{2.5} and Existing PM₁₀ National Ambient Air Quality Standards" (71 FR 12467, March 10, 2006) which became effective on April 5, 2006.

PM 2.5

In December of 2004, EPA signed the final rulemaking notice to designate attainment and

non-attainment areas with respect to the Fine Particles (PM_{2.5}) 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_{2.5} 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_{2.5} budgets were found to be adequate for the early progress SIP. The PM_{2.5} 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 2011 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

APPENDIX A

INTERAGENCY CONSULTATION MEETING
Long Range Transportation Plans
Connecticut Department of Transportation
Conference Rooms A & B
March 8, 2011

Attendees:

Ken Shooshan-Stoller – FHWA
Erik Shortell - FHWA
Donald Cooke – EPA (Call in)
Paul Bodner – DEP (Call in)
Paula Gomez – DEP (Call in)
David Levasseur – OPM
Jim Larkin – NECCOG
Richard Dunne – VCOG (Call in)
Jennifer Carrier – CRCOG
Karen Olson - CRCOG
Ethan Abeles – CCRPA
Peter Dorpalen – COGCNV
Joseph Perrelli – COGCNV
Sam Gold - COGCNV
Mark Nielson – GBRPA
Megan Sloan - GBRPA
Margaret Mixon - GBRPA
Jonathan Chew – HVCEO
Stephen Dudley –SCRCOG
Sue Prosi – SWRPA
Richard Guggenheim – SECOG
Mark Paquette – WINCOG
Robert Haramut - MRPA
Thomas Maziarz – DOT
Robbin Cabelus - DOT
Maribeth Wojenski – DOT
Hugh Hayward – DOT
Eugene Colonese – DOT
Rabih Barakat – DOT
Peter Talarico – DOT
Michael Connors – DOT
Tom Borden – DOT
Paul O’Keefe – DOT
Richard Armstrong – DOT
Dean Dickinson - DOT
Jennifer Trio - DOT
Colleen Kissane- DOT

Philip Moberg – DOT
Erik Jarboe - DOT
Grayson Wright – DOT
Neil Ryan – DOT
Roxane Fromson – DOT
Tom Doyle - DOT
Facundo Dominquez - DOT
Kate Rattan - DOT
Judy Raymond - DOT
Matthew Cegielski- DOT
Justin Brunetti – DOT
Ryan Dolan - DOT

The Interagency Consultation Meeting was held in conjunction with the quarterly RPO meeting. Projects submitted as part of the regions' Long Range Transportation Plans (LRTPs) were discussed for their Air Quality Conformity coding. Don Cooke from EPA asked if several projects listed as "widening" were reviewed to determine the actual description of the project. All projects were reviewed by DOT staff for a clearer description of the project in order to determine the Air Quality Conformity coding. All "widening" projects that were determined to be non-exempt and funded were included in the highway networks for conformity analysis determination.

Don Cooke also stated that projects listed as "unfunded" should not be included in the conformity analysis. Therefore, all unfunded projects listed in the regions LRTPs will not be included in the highway / transit networks in this conformity analysis. Don also stated that the Railroad Transit Locomotive VOC Emission Credit, taken as part of the 1995 15% Reasonable Further Progress Plan, be eliminated as the credit is no longer part of the current State Implementation Plan (SIP). Thus these credits will not be taken in this Conformity Determination, nor in any future transportation conformity determination analyses in Connecticut.

The transportation conformity analysis on the LRTP projects will be completed within the next two weeks (March 25, 2011) and both the Ozone and PM 2.5 reports will be electronically distributed to the MPOs in the appropriate non-attainment areas, FTA,

FHWA, DEP and EPA. The MPOs will need to hold a 30 day public comment and review period. At the end of this review period, the MPO will hold a Policy Board meeting to endorse the Air Quality Conformity determination.

There was also a brief discussion on the travel model and emissions software planning assumptions employed in the conformity analysis.

The schedule for this process LRTP Conformity Determination Analysis is as follows:

- MPOs transmit signed and dated Concurrence Form to judy.raymond@ct.gov by March 10, 2011.
- CTDOT Census/Modeling Unit performs the air quality analysis and sends the Air Quality Conformity Determination Reports electronically to all MPOs by March 25, 2011.
- MPOs advertise and hold a 30-day public review and comment period for the Air Quality Conformity.
- MPOs hold a Policy Board meeting approving and endorsing the Air Quality Conformity.
- MPOs transmit resolution endorsing the Air Quality Conformity to judy.raymond@ct.gov no later than May 13, 2011.

It is important that all MPOs follow this schedule to ensure that the LRTP Conformity Determinations can go forward on schedule. EPA must approve the LRTP Conformity Determination by June 29, 2011 to avoid a conformity lapse.

PLANNING ASSUMPTIONS
Ozone and PM2.5
Regions' Long Range Transportation Plans
March 8, 2011

Planning Assumptions for Review	Frequency of Review*	Responsible Agency	Year of Data
Socioeconomic Data	At least every 5 years	CTDOT	2005 data available in 2007
DMV Vehicle Registration Data	At least every 5 years	CTDEP	2005 data available in 2007
State Vehicle Inspection and Maintenance Program	Each conformity round	CTDEP	2005 Plus
State Low Emission Vehicle Program	Each conformity round following approval into the SIP	CTDEP	Same as SIP
VMT Mix Data	At least every 5 years	CTDEP	2008
Analysis Years	Each conformity round	CTDOT/CTDEP	2015, 2025, 2035, 2040
Emission Budget	As SIP revised/updated	CTDEP	2009
Temperatures and Humidity	As SIP revised/updated	CTDEP	X
Control Strategies	Each conformity round	CTDEP	X
HPMS VMT	Each conformity round	CTDOT	2009

* Review of Planning Assumptions does not necessarily preclude 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	5.91	11.58	18937848.
Arterial/Collector	9.29	8.87	23954396.
Local	2.16	1.52	4011521.
Ramp	0.23	0.31	634786.
Totals (in tons per day)	17.59	22.28	47538552.
(Kilograms per day)	15918.84	20161.73	

Summer VMT Totals:

NY/NJ/CT Moderate Area	51770104.
Greater CT Moderate Area	47538552.
Statewide Total	99308656.

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	7.90	15.01	25254982.
Arterial/Collector	8.79	8.23	21652092.
Local	2.15	1.53	4081946.
Ramp	0.28	0.38	781082.
Totals (in tons per day)	19.11	25.16	51770104.
(Kilograms per day)	17298.56	22768.24	

Summer VMT Totals:

NY/NJ/CT Moderate Area	51770104.
Greater CT Moderate Area	47538552.
Statewide Total	99308656.

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

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	4.10	5.36	20288632.
Arterial/Collector	7.08	5.45	26343764.
Local	1.70	0.91	4392060.
Ramp	0.16	0.16	682820.
Totals (in tons per day)	13.04	11.88	51707276.
(Kilograms per day)	11799.37	10754.00	

Summer VMT Totals:

NY/NJ/CT Moderate Area	55459560.
Greater CT Moderate Area	51707276.
Statewide Total	107166832.

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	5.50	6.92	26810568.
Arterial/Collector	6.69	4.98	23408518.
Local	1.67	0.91	4411280.
Ramp	0.19	0.20	829193.
Totals (in tons per day)	14.06	13.01	55459560.
(Kilograms per day)	12723.67	11769.89	

Summer VMT Totals:

NY/NJ/CT Moderate Area	55459560.
Greater CT Moderate Area	51707276.
Statewide Total	107166832.

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

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	4.22	4.53	21374596.
Arterial/Collector	7.67	5.44	28397360.
Local	1.81	0.90	4755205.
Ramp	0.17	0.15	714015.
Totals (in tons per day)	13.87	11.01	55241176.
(Kilograms per day)	12555.29	9967.61	

Summer VMT Totals:

NY/NJ/CT Moderate Area	58307232.
Greater CT Moderate Area	55241176.
Statewide Total	113548408.

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	5.60	5.84	28007988.
Arterial/Collector	7.00	4.85	24710896.
Local	1.76	0.88	4722121.
Ramp	0.20	0.18	866226.
Totals (in tons per day)	14.57	11.76	58307232.
(Kilograms per day)	13181.40	10639.65	

Summer VMT Totals:

NY/NJ/CT Moderate Area	58307232.
Greater CT Moderate Area	55241176.
Statewide Total	113548408.

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

Facility	VOC (tons per day)	NOX	Summer VMT
Expressway	4.31	4.60	21720076.
Arterial/Collector	8.06	5.68	29489254.
Local	1.88	0.93	4929726.
Ramp	0.17	0.15	720852.
Totals (in tons per day)	14.42	11.36	56859908.
(Kilograms per day)	13048.18	10278.25	

Summer VMT Totals:

NY/NJ/CT Moderate Area	59477812.
Greater CT Moderate Area	56859908.
Statewide Total	116337720.

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	5.68	5.91	28397252.
Arterial/Collector	7.24	4.99	25334512.
Local	1.82	0.91	4867783.
Ramp	0.20	0.18	878266.
Totals (in tons per day)	14.94	11.99	59477812.
(Kilograms per day)	13523.72	10852.14	

Summer VMT Totals:

NY/NJ/CT Moderate Area	59477812.
Greater CT Moderate Area	56859908.
Statewide Total	116337720.

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 2002 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:\SER29b\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 : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR : CTHVMT.def
SPEED VMT : z:\SER29b\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 : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29b\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   : CTIM05p1.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29b\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   : CTIM05p1.d
ANTI-TAMP PROG  :
83 71 50 22222 21111111 1 12 096. 12111112

```

```

* VMT Data
VMT BY HOUR      : CTHVMT.def
SPEED VMT       : z:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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   : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR    : CTHVMT.def
SPEED VMT     : z:\SER29b\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   : CTIM05p1.D
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR    : CTHVMT.def
SPEED VMT     : z:\SER29b\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   : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR    : CTHVMT.def
SPEED VMT     : z:\SER29b\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 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 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:\SER29b\2015\15svmt5S.cty
VMT BY FACILITY : FVMT5S.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 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:\SER29b\2015\15svmt6s.cty
VMT BY FACILITY : FVMT6S.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 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

>*****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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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 : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data

VMT BY HOUR : CTHVMT.def
SPEED VMT : z:\SER29b\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 : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data

VMT BY HOUR : CTHVMT.def
SPEED VMT : z:\SER29b\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 2002 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:\SER29b\2025\25svmt1s.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 : 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:\SER29b\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 :

83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR : CTHVMT.def
SPEED VMT : z:\SER29b\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:\SER29b\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:\SER29b\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

```

* 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:\SER29b\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:\SER29b\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:\SER29b\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

```

* 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:\SER29b\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:\SER29b\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:\SER29b\2025\25svmt3s.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 : 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 : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR : CTHVMT.def
SPEED VMT : z:\SER29b\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 : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR : CTHVMT.def
SPEED VMT : z:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\2025\25svmt7s.cty
VMT BY FACILITY : FCVMTR.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:\SER29b\2025\25svmt8s.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 : 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:\SER29b\2025\25svmt8s.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 : 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 : CTIM05p1.d
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR : CTHVMT.def
SPEED VMT : z:\SER29b\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 : CTIM05p1.D
ANTI-TAMP PROG :
83 71 50 22222 21111111 1 12 096. 12111112

* VMT Data
VMT BY HOUR : CTHVMT.def
SPEED VMT : z:\SER29b\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 2002 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:\SER29b\2035\35svmt1s.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 : 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:\SER29b\2035\35svmt1s.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 : 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:\SER29b\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

* 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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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 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

>*****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:\SER29b\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 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

>*****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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\2035\35svmt5s.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 : 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:\SER29b\2035\35svmt6s.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 : 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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\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:\SER29b\2035\35svmt7s.cty
VMT BY FACILITY : FCVMT7.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:\SER29b\2035\35svmt8s.cty
VMT BY FACILITY : FCVMT8.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:\SER29b\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:\SER29b\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:\SER29b\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

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

RUN DATA
> 2040 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 2002 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:\SER29b\2040\40svmt1s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : Fairfield County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt1s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt1s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt1s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : Fairfield County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt2s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : Hartford County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt2s.cty
VMT BY FACILITY   : FCVMTA.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2040
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:\SER29b\2040\40svmt2s.cty
VMT BY FACILITY   : FCVMTL.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2040
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:\SER29b\2040\40svmt2s.cty
VMT BY FACILITY   : FCVMTR.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD   : Hartford County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2040
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:\SER29b\2040\40svmt3s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2040 expressway/ramp VMT fractions

VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : Litchfield County 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2

CALENDAR YEAR : 2040

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:\SER29b\2040\40svmt3s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2040 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 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2

CALENDAR YEAR : 2040

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:\SER29b\2040\40svmt3s.cty
VMT BY FACILITY : FCVMTL.CTY

```

* 2040 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      : 2040
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:\SER29b\2040\40svmt3s.cty
VMT BY FACILITY    : FVMT3.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2940  0.1070  0.3561  0.1098  0.0505  0.0260  0.0026  0.0022
0.0016  0.0058  0.0069  0.0075  0.0266  0.0013  0.0007  0.0014

SCENARIO RECORD    : Litchfield County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2040
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:\SER29b\2040\40svmt4s.cty
VMT BY FACILITY    : FVMT4.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS      :
0.2940  0.1070  0.3561  0.1098  0.0505  0.0260  0.0026  0.0022
0.0016  0.0058  0.0069  0.0075  0.0266  0.0013  0.0007  0.0014

SCENARIO RECORD    : Middlesex County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR      : 2040
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:\SER29b\2040\40svmt4s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt4s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt4s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : Middlesex County 2040 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt5s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : New Haven County 2040 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt5s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/Idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt5s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt5s.cty
VMT BY FACILITY : FCVMT5.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : New Haven County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt6s.cty
VMT BY FACILITY : FCVMT6.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : New London County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt6s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt6s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 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 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt6s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : New London County 2040 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt7s.cty
VMT BY FACILITY : FCVMTF.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : Tolland County 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt7s.cty
VMT BY FACILITY : FCVMTA.CTY

* 2040 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 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt7s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 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 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt7s.cty
VMT BY FACILITY   : FVMT7.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD   : Tolland County 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2040
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:\SER29b\2040\40svmt8s.cty
VMT BY FACILITY   : FVMT8.CTY

* 2040 expressway/ramp VMT fractions
VMT FRACTIONS     :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD   : Windham County 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR     : 2040
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:\SER29b\2040\40svmt8s.cty

```

VMT BY FACILITY : FCVMTA.CTY

* 2040 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 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt8s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 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 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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:\SER29b\2040\40svmt8s.cty
VMT BY FACILITY : FCVMTL.CTY

* 2040 expressway/ramp VMT fractions

VMT FRACTIONS :
0.2940 0.1070 0.3561 0.1098 0.0505 0.0260 0.0026 0.0022
0.0016 0.0058 0.0069 0.0075 0.0266 0.0013 0.0007 0.0014

SCENARIO RECORD : Windham County 2040 03 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
CALENDAR YEAR : 2040
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


```
-----
Composite Emission Factors (g/mi):
Composite VOC : 0.487 0.392 0.480 0.414 0.826 0.160 0.274 0.557 4.93 0.488
Composite NOX : 0.257 0.258 0.360 0.284 0.881 0.165 0.273 3.231 0.92 0.343
-----
```

```
*****
* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 15OZ.IN (file 1, run 8). *
*****
*****Hartford 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:\SER29B\2015\15SVMT2S.CTY
* Reading Hourly Roadway VMT distribution from the following external
* data file: FCVMTR.CTY
```

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

```
*****
* Hartford County 2015 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 8, 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 : 0.366 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 9). *
*****
*****Litchfield Expressway *****
```

```
* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
M616 Comment:
User has supplied post-1999 sulfur levels.
```


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: 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), Composite VOC, Composite NOX. Rows include LDGV, LDGT12, LDGT34, LDGT, HDGV, LDDV, LDDT, HDDV, MC, All Veh.

* MOBILE6.2.03 (24-Sep-2003)
* Input file: 15OZ.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:\SER29B\2015\15SVMT6S.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 2015 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: 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

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:	0.3223	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:\SER29B\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 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
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 :	0.312	0.250	0.303	0.263	0.352	0.079	0.129	0.190	3.80	0.281
Composite NOX :	0.252	0.278	0.391	0.307	1.279	0.208	0.344	4.662	1.49	0.565

* #####
* Hartford County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 5, 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: 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	LDDT	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 :	0.174	0.179	0.201	0.185	0.166	0.039	0.077	0.164	3.15	0.184
Composite NOX :	0.121	0.175	0.247	0.194	0.391	0.044	0.170	1.218	1.44	0.238

* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 25OZ.IN (file 1, run 6). *

*****Hartford 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:\SER29B\2025\25SVMT2S.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.

* #####
* Hartford County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 6, 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

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
GVWR:	<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 :	0.171	0.177	0.197	0.182	0.157	0.038	0.075	0.160	3.02	0.180
Composite NOX :	0.120	0.176	0.248	0.194	0.392	0.044	0.170	1.219	1.50	0.238

 * 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:\SER29B\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
---------------	------	--------	--------	------	------	------	------	------	----	---------

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

Table with columns: Vehicle Type, LDGV, LDGT12, LDGT34, LDGT, HDGV, LDDV, LDDT, HDDV, MC, All Veh. Rows include GVWR, VMT Distribution, and Composite Emission Factors (g/mi).

* MOBILE6.2.03 (24-Sep-2003)
* Input file: 250Z.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:\SER29B\2025\25SVMT6S.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 2025 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: 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

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: 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:	0.3084	0.4861	0.1657		0.0081	0.0003	0.0025	0.0193	0.0096	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.304	0.302	0.333	0.310	0.467	0.081	0.167	0.465	4.39	0.351
Composite NOX :	0.134	0.164	0.222	0.179	0.274	0.038	0.144	0.975	0.92	0.188

* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 25OZ.IN (file 1, run 28). *

*****Tolland 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: CTIM05PLD
*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:\SER29B\2025\25SVMT7S.CTY

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

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

* Tolland County 2025 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 28, 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: 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:	0.2933	0.4630	0.1578		0.0240	0.0003	0.0024	0.0578	0.0014	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.209	0.205	0.234	0.213	0.216	0.047	0.094	0.222	2.99	0.216
Composite NOX :	0.130	0.183	0.278	0.207	0.330	0.028	0.106	0.726	1.12	0.218

* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 25OZ.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:\SER29B\2025\25SVMT8S.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 2025 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 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:	0.2933	0.4630	0.1578		0.0240	0.0003	0.0024	0.0578	0.0014	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.172	0.178	0.198	0.183	0.160	0.038	0.075	0.159	3.25	0.182
Composite NOX :	0.122	0.177	0.249	0.195	0.397	0.047	0.181	1.298	1.49	0.244

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	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 :	0.167	0.175	0.190	0.179	0.145	0.036	0.067	0.154	2.99	0.177
Composite NOX :	0.109	0.172	0.229	0.186	0.196	0.036	0.152	0.632	1.49	0.191

 * MOBILE6.2.03 (24-Sep-2003) *
 * Input file: 35OZ.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:\SER29B\2035\35SVMT4S.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 2035 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: 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	HDGV	LDDV	LDDT	HDDV	MC	All Veh
---------------	------	--------	--------	------	------	------	------	------	----	---------

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 vehicle classes (LDGT12, LDGT34, LDGT, HDGV, LDDV, LDDT, HDDV, MC, All Veh).

* 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:\SER29B\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

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:	0.3084	0.4861	0.1657		0.0081	0.0003	0.0025	0.0193	0.0096	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.300	0.300	0.322	0.306	0.422	0.076	0.152	0.444	4.39	0.346
Composite NOX :	0.124	0.161	0.204	0.172	0.137	0.031	0.130	0.539	0.92	0.171

* MOBILE6.2.03 (24-Sep-2003) *
* Input file: 35OZ.IN (file 1, run 28). *

*****Tolland 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: CTIM05PLD
*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:\SER29B\2035\35SVMT7S.CTY

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

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

* Tolland County 2035 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2
* File 1, Run 28, 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 :	0.204	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:\SER29B\2035\35VMT8S.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 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 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:	0.2935	0.4631	0.1578		0.0239	0.0003	0.0024	0.0576	0.0014	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.167	0.176	0.191	0.180	0.146	0.035	0.066	0.152	3.25	0.178
Composite NOX :	0.111	0.173	0.232	0.188	0.199	0.039	0.164	0.686	1.49	0.196

Calendar Year: 2040
 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
GVWR:	<6000	>6000	(All)							
VMT Distribution:	0.2937	0.4631	0.1579		0.0238	0.0003	0.0024	0.0574	0.0014	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.169	0.177	0.192	0.181	0.149	0.036	0.068	0.158	3.01	0.179
Composite NOX :	0.110	0.171	0.229	0.186	0.194	0.036	0.150	0.626	1.48	0.191

 * MOBILE6.2.03 (24-Sep-2003) *
 * Input file: 400Z.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:\SER29B\2040\40SVMT4S.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 2040 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: 2040
 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
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Reformulated Gas: Yes

Vehicle Type:	LDGV	LDGT12 <6000	LDGT34 >6000	LDGT (All)	HDGV	LDDV	LDLT	HDDV	MC	All Veh
VMT Distribution:	0.2937	0.4631	0.1579		0.0238	0.0003	0.0024	0.0574	0.0014	1.0000
Composite Emission Factors (g/mi):										
Composite VOC :	0.169	0.177	0.192	0.181	0.150	0.036	0.067	0.155	3.15	0.179
Composite NOX :	0.110	0.172	0.230	0.187	0.197	0.037	0.155	0.649	1.45	0.193

 * MOBILE6.2.03 (24-Sep-2003) *
 * Input file: 400Z.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:\SER29B\2040\40SVMT6S.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 2040 03 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: 2040
 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	0.239	0.048	0.093	0.245	3.27	0.246
Composite NOX :	0.118	0.166	0.223	0.181	0.163	0.025	0.104	0.431	1.10	0.174

 * MOBILE6.2.03 (24-Sep-2003) *
 * Input file: 400Z.IN (file 1, run 23). *
