

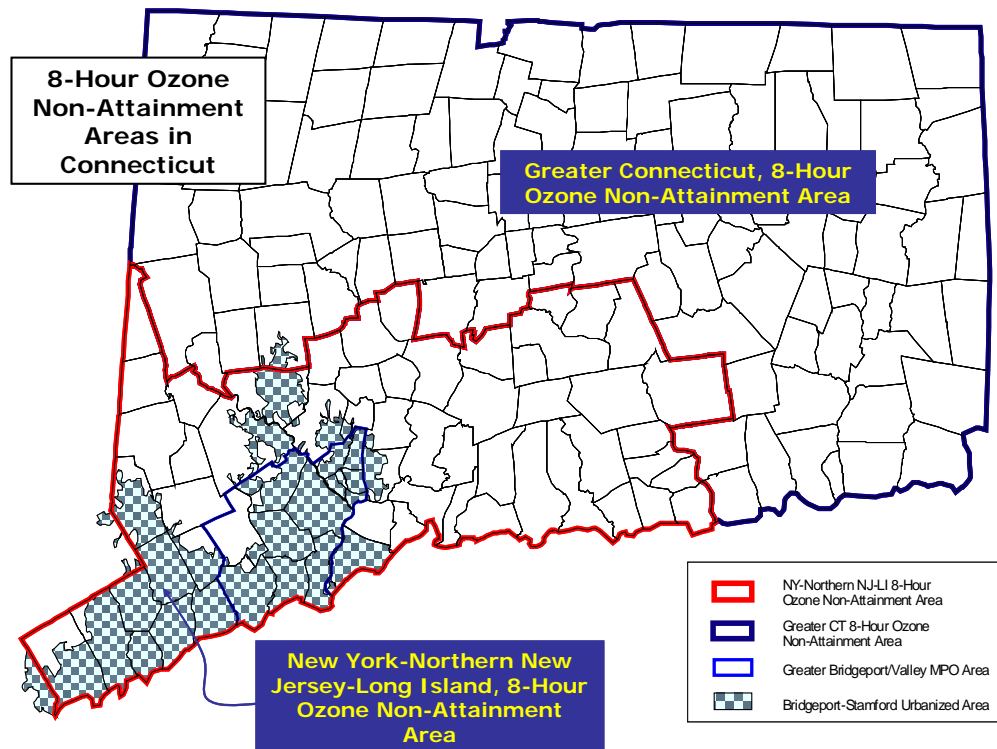
**REGIONAL AIR QUALITY EMISSIONS ASSESSMENT  
EIGHT-HOUR OZONE NAAQS**

**TRANSPORTATION IMPROVEMENT PROGRAM – FFY 2010-2013  
FOR THE GREATER BRIDGEPORT PLANNING REGION  
November 2011**

The *Clean Air Act Amendments (CAAA) of 1990* and the *Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991* recognized the major contributions of transportation sources to the overall air quality problem evidenced throughout the country. To effectuate a reduction in transportation-related emissions and a corresponding improvement in air quality, areas designated as non-attainment for a criterion pollutant were required to demonstrate that their transportation plans, programs and projects contributed to the attainment of *National Ambient Air Quality Standards (NAAQS)* and would not cause a new violation or delay attainment of the *NAAQS*. This process is referred to as *Air Quality Conformity*.

Connecticut is divided into two non-attainment area for the 8-hour ozone NAAQS, both designated as “moderate” non-attainment. Fairfield, New Haven and Middlesex counties are included as part of the New York-Northern New Jersey-Long Island non-attainment area. The remainder of the state is designated as the Greater Connecticut non-attainment area.

The results of the quantitative emissions analysis conducted by ConnDOT are shown in the following tables and the analysis year trends are depicted in the charts following the tables.



# GREATER BRIDGEPORT AND VALLEY REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM: FFY 2012 ~ 2015 REGIONAL EMISSIONS ANALYSES RESULTS

## 8-HOUR OZONE NAAQS CONNECTICUT PORTION NY-NJ-LI AREA

Analysis Years	VOC Emission Analysis			NO <sub>x</sub> Emission Analysis		
	Action	SIP Budget	Difference	Action	SIP Budget	Difference
2009 VMT	51,342,464					
2009 Emissions	26.78	27.4	-0.62	52.00	54.6	-2.6
2015 VMT	51,816,976					
2015 Emissions	19.13	27.4	-8.27	26.17	54.6	-29.43
2025 VMT	55,589,908					
2025 Emissions	14.11	27.4	-13.29	13.03	54.6	-41.57
2035 VMT	58,386,160					
2035 Emissions	14.59	27.4	-12.81	11.77	54.6	-42.83
2040 VMT	59,556,300					
2040 Emissions	14.96	27.4	-12.44	12.01	54.6	-42.59

Notes:

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 & NO<sub>x</sub> emissions are in tons per day and are calculated using Connecticut's vehicle mix.
4. HMPS 12 Functional Class system used.
5. National Low Emission Vehicle (NLEV) program included in 2008 and future years.
6. Eight Hour Ozone emission budgets effective June 27, 2008.
7. Series 29C model run with 20 iteration equilibrium assignment.
8. Year 2009 VMT and emissions based Series 28I.

