

Draft 2008 8-Hour Ozone NAAQS Periodic Emissions Inventory

Inventory Year 2014

State of Connecticut



Connecticut
Department of Energy &
Environmental Protection

Table of Contents

Section 1 Background and Emissions Summary 1-1
1.0 Introduction 1-1
1.0.1 Agencies/Contacts Responsible for Inventory 1-1
1.1 Attainment Classifications of Geographic Areas in Connecticut 1-3
1.2 Emissions Summary 1-9
Section 1 References 1-17
Section 2 Stationary Point Sources 2-1
2.0 Introduction 2-1
2.1 Identification of 2014 Point Sources 2-2
2.2 Emissions Estimation Procedures 2-5
2.3 Emissions Summary Tables 2-6
2.4 Point Source Quality Control Procedures 2-6
2.4.1 Data Entry 2-6
2.4.2 Data Verification 2-7
2.4.3 Additional Quality Control Procedures 2-7
Section 2 References 2-8
Section 3 Mobile Sources 3-1
3.0 Introduction 3-1
3.0.1 Mobile Source Models 3-3
3.0.2 Meteorological Inputs for Mobile Sources 3-3
3.1 On-Road Mobile Sources 3-7
3.1.1 MOVES On-Road Inputs 3-8
3.1.2 MOVES On-Road Data 3-15
3.1.3 On-Road Mobile Sources Emissions Results 3-16
3.2 Non-Road Mobile Sources 3-19
3.2.1 MOVES Non-Road Inputs 3-19
3.2.2 MOVES Non-Road Data 3-20
3.2.3 Non-Road Mobile Sources Emissions Results 3-20
3.3 Aircraft 3-22
3.4 Commercial Marine Vessels (CMV) 3-24
3.5 Locomotives 3-25

Section 3 References 3-27
Section 4 Area Sources 4-1
4.0 Introduction 4-1
4.1 Fuel Combustion 4-7
4.1.1 Electric Utility Fuel Combustion 4-7
4.1.2 Industrial, Commercial, and Institutional Fuel Combustion 4-7
4.1.3 Residential Fuel Combustion 4-12
4.2 Storage & Transport (Gasoline and Fuel Distribution) 4-16
4.2.1 Bulk Plant and Terminals 4-16
4.2.2 Aviation Gasoline, Stage 1 and 2 Distribution 4-17
4.2.3 Stage I Gasoline Distribution 4-18
4.2.4 Stage II Refueling 4-18
4.2.5 Industrial Processes – Storage and Transfer – Truck or Pipeline 4-20
4.2.6 Portable Fuel Containers Estimates 4-21
4.3 Solvent Utilization 4-21
4.3.1 Solvent – Degreasing 4-22
4.3.2 Solvent – Dry Cleaning 4-22
4.3.3 Solvent – Graphic Arts 4-23
4.3.4 Solvent – Consumer & Commercial Solvent Use 4-23
4.3.5 Solvent – Industrial Surface Coating & Solvent Use 4-24
4.3.6 Asphalt Paving – Cutback and Emulsified 4-26
4.4 Agriculture 4-27
4.4.1 Crops & Livestock Dust 4-27
4.4.2 Livestock Waste 4-28
4.4.3 Fertilizer Application 4-29
4.4.4 Field Burning 4-29
4.4.5 Pesticide 4-30
4.5 Dust 4-31
4.5.1 Paved Roads 4-31
4.5.2 Unpaved Roads 4-31
4.5.3 Construction Dust 4-32
4.6 Oil and Gas Production 4-34
4.7 Other Industrial Processes and Residential Charcoal Grilling 4-34

4.7.1 Mining and Quarrying 4-34
4.7.2 Commercial Cooking 4-34
4.7.3 Residential Charcoal Grilling 4-35
4.8 Prescribed Burning and Wildfires (Events) 4-36
4.9 Waste Disposal & Recycling 4-37
4.9.1 Greenwaste Composting 4-37
4.9.2 Open Burning Tool 4-38
4.9.3 Publicly Owned Treatment Works (POTW) 4-39
4.9.4 Emissions Calculated by EPA's Mercury Tool – Human Cremation 4-41
4.9.5 CT Landfill Emissions Estimates 4-42
Section 4 References 4-53
Section 5 Biogenic Sources 5-1
Section 5 References 5-1
Section 6 Quality Assurance Audit 6-1
Appendices A-1
Appendix A Emissions Reporting History A-1
A.0 Point Source List Development History A-1
A.1 Historical Quality Control Procedures A-3
Appendix B Sample Emissions Calculations B-1
B.0 List of Equations B-2
B.1 Examples B-4
Appendix C Point Source Inventory C-1
Appendix D Allocation Factors D-1
Appendix E MOVES Inputs E-1
Appendix F On-Road Mobile Sources F-1
Appendix G Non-Road Mobile Sources G-1
Appendix H Area Source Calculation Support Tables H-57
Appendix I Area Sources I-1

Section 1 Background and Emissions Summary

1.0 Introduction

The State of Connecticut submits the 2014 Periodic Emissions Inventory (PEI) pursuant to Section 182 (a)(3)(A) of the Clean Air Act (CAA), 40 Code of Federal Regulations (CFR) 51.1115(b), and the presence in the state of a nonattainment area (Southwest Connecticut) for the 2008 ozone National Ambient Air Quality Standard (NAAQS).[1] It was developed in accordance with the United Statates Environmental Protection Agency (EPA) document *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter NAAQS and Regional Haze Regulations*. [2] The 2014 PEI is intended to be used to assist planning efforts and to track and monitor trends in emissions.

The PEI is comprised of emissions from all sources in Connecticut, and can be identified by their Source Classification Codes (SCCs). The EPA publishes a National Emissions Inventory (NEI) which contains emissions estimates for each SCC. For each SCC reported in this PEI, NEI data was evaluated and the values were either accepted or augmented with additional state data.

Unless otherwise noted in the source type documentation sections, emission factors were obtained from the *Compilation of Air Pollutant Emissions Factors* (AP-42) to calculate emissions. The EPA procedures have been followed in developing the emissions inventory for the State of Connecticut's State Implementation Plan (SIP).

This PEI presents the 2014 emissions produced within Connecticut from the following source types:

Table 1-1: Sources Included in this Periodic Emission Inventory

Source Type	Inventory Background	Inventory Data
Stationary Point Sources	Section 2	Appendix C
Mobile Sources	Section 3	Appendices E, F, & G
Area Sources	Section 4	Appendices H & I
Biogenic Sources	Section 5	Table 5-1 & Table 5-2

1.0.1 Agencies/Contacts Responsible for Inventory

The lead agency responsible for the preparation and submittal of the PEI is the CT DEEP Bureau of Air Management (The Bureau). The Bureau is directly responsible for the collection of source level activity data, emission factor determination, emissions calculations, documentation, and quality assurance. Other CT DEEP Bureaus and State Agencies contribute necessary information for the preparation of emissions estimates. The Connecticut Department of Transportation (CT DOT) provides Vehicle Miles of Travel (VMT) data, daily and seasonal adjustment factor data, and documentation of the methodology used by CT DOT to estimate VMT data for the on-road mobile source inventory. The Connecticut Department of Motor Vehicles (CT DMV) provides vehicle registry data used to determine vehicle age distribution, develop base line county level vehicle populations, and to adjust vehicle mix distributions of the vehicle fleet in Connecticut. The Connecticut Department of Labor (CT DOL) provides employment data by Standard Industrial Code (SIC) for determining source activity levels for on-road mobile source emissions inventories.

It should be noted that the PEI does not address the tracking of potential emissions offsets from shutdown sources.

[1] 40 CFR § 51.1115(b). https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b)
[2] U.S. Environmental Protection Agency. 2017. Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze. https://www.epa.gov/sites/default/files/2017-07/documents/ei_guidance_may_2017_final_rev.pdf

The applicable points of contact for the 2014 PEI are listed below in Table 1-2:

Table 1-2: List of Contacts for the 2014 Connecticut Periodic Emissions Inventory

Responsibility	Contact	Phone Number	Agency
Inventory Planning & Development	Richard Rodrigue	(860)-424-3429	Connecticut Department of Energy & Environmental Protection Bureau of Air Management 79 Elm Street Hartford, CT 06106
Point Emissions Data and Activity Levels	Steve Potter	(860)-424-3385	
MOVES Mobile Emissions Data and Activity Levels	Lou Corsino	(860)-424-3544	
Aircraft, Commercial Marine Vessel, and Locomotive Data and Activity Levels	Steve Potter	(860)-424-3385	
Area Emissions Data and Activity Levels	Steve Potter	(860)-424-3385	
VMT Generation and Other On-Road Vehicle Data	Judy Raymond	(860)-594-2032	Connecticut Department of Transportation 2800 Berlin Turnpike Newington, CT 06111
Quality Assurance (Section 6)	Paula Gomez	(860)-424-3088	Connecticut Department of Energy & Environmental Protection Bureau of Air Management 79 Elm Street Hartford, CT 06106

1.1 Attainment Classifications of Geographic Areas in Connecticut

This emissions inventory encompasses all counties in Connecticut and any geographic area designated by the EPA as non-attainment or classified as maintenance.

Since the NEI only tracks emissions at the county level, emissions for this PEI are similarly provided for each county. A comphrensive map of Connecticut displaying all town and county boundaries are shown on the following page in Figure 1-A.

In November 1991, the EPA designated Connecticut as not in attainment with the 1-hour ozone standard. An 8-hour ozone standard was introduced in 1997 to replace the 1-hour standard, which was completely phased out in 2005. The 8-hour non-attainment areas replaced the 1-hour non-attainment areas used in previous PEIs. The 8-hour ozone standard was updated in 2008 and Connecticut was designated with two non-attainment areas: the Connecticut portion of the NY-NJ-CT Area, comprised of Fairfield, New Haven, and Middlesex counties, and the Greater Connecticut Area, which is comprised of all other counties.[3,4] These areas are shown in Figure 1-B.

In 2006, the EPA designated Fairfield and New Haven counties as part of the NY-NJ-CT non-attainment area for both the 1997 Annual and 2006 24-hour $PM_{2.5}$ NAAQSs, while the rest of Connecticut was designated as being in attainment.[5] The EPA re-designated the Connecticut portion of the NY-NJ-CT non-attainment area as attainment with a maintenance classification for both the 1997 Annual and 2006 24-Hour $PM_{2.5}$ NAAQSs, effective October 12, 2013. In 2012, the EPA promulgated a new Annual $PM_{2.5}$ NAAQS and the 1997 Annual $PM_{2.5}$ NAAQS and its attainment areas were revoked on October 24, 2016. All of Connecticut was designated as in attainment with no classification for the 2012 Annual $PM_{2.5}$ NAAQS effective April 15, 2015.[6] The areas associated with the 1997 and 2006 $PM_{2.5}$ NAAQSs are shown in Figure 1-C.

In November 1991, the EPA designated three areas in Connecticut as not in attainment with the 1971 CO NAAQSs. These non-attainment areas were distinguished as the Hartford-New Britain-Middletown Area, the New Haven-Meriden-Waterbury Area, and the Connecticut portion of the NY-NJ-CT Area. The EPA re-designated the Hartford-New Britain-Middletown non-attainment area as attainment effective May 14, 1996, the New Haven-Meriden-Waterbury non-attainment area as attainment effective October 5, 1998, and the Connecticut portion of the NY-NJ-CT non-attainment area as attainment effective March 10, 1999, making the entire state designated as attainment for CO.[7] The 1971 CO NAAQSs maintenance areas are defined in Table 1-3 and are presented in Figure 1-D.

[3] 40 CFR § 50.10. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-50#50.11
[4] U.S. Environmental Protection Agency. *Greenbook: 8-Hour Ozone (2008) Designated Area State/Area/County Report.* 2008. https://www3.epa.gov/airquality/greenbook/hbcs.html#CT
[5] $PM_{2.5}$ is defined as Particulate Matter (PM) with an aerodynamic diameter equal or less than 2.5 microns
[6] U.S. Environmental Protection Agency. *Greenbook: PM-2.5 (1997) Designated Area State/Area/County Report*. 1997. https://www3.epa.gov/airquality/greenbook/qbcs.html#CT
[7] U.S. Environmental Protetionc Agency. *Greenbook: Carbon Monoxide (1971) Designated Area State/Area/County Report*. 1971. https://www3.epa.gov/airquality/greenbook/cbcs.html#CT

Figure 1-A: Connecticut County and Town Boundaries

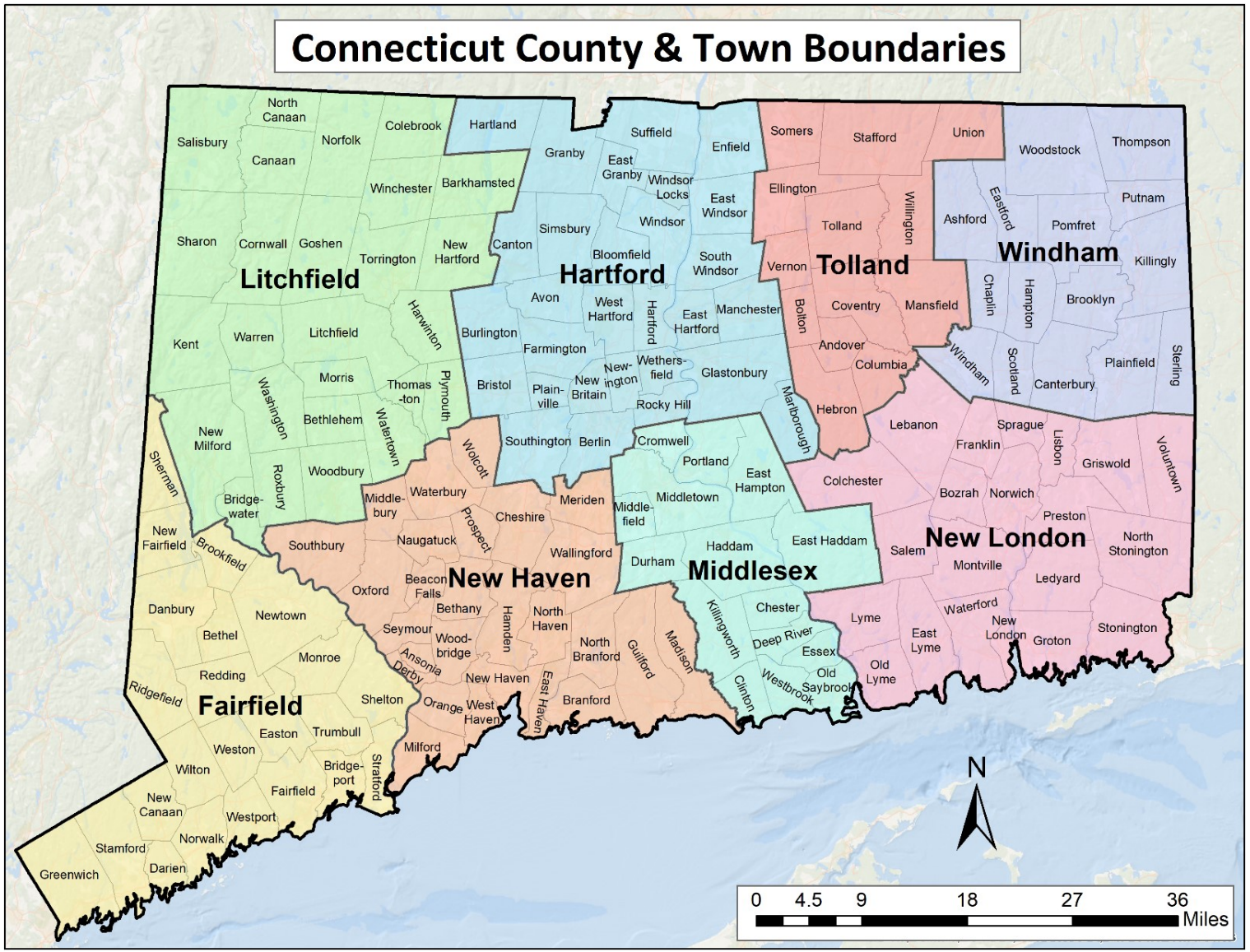


Figure 1-B: 2014 Connecituct Non-Attainment Status

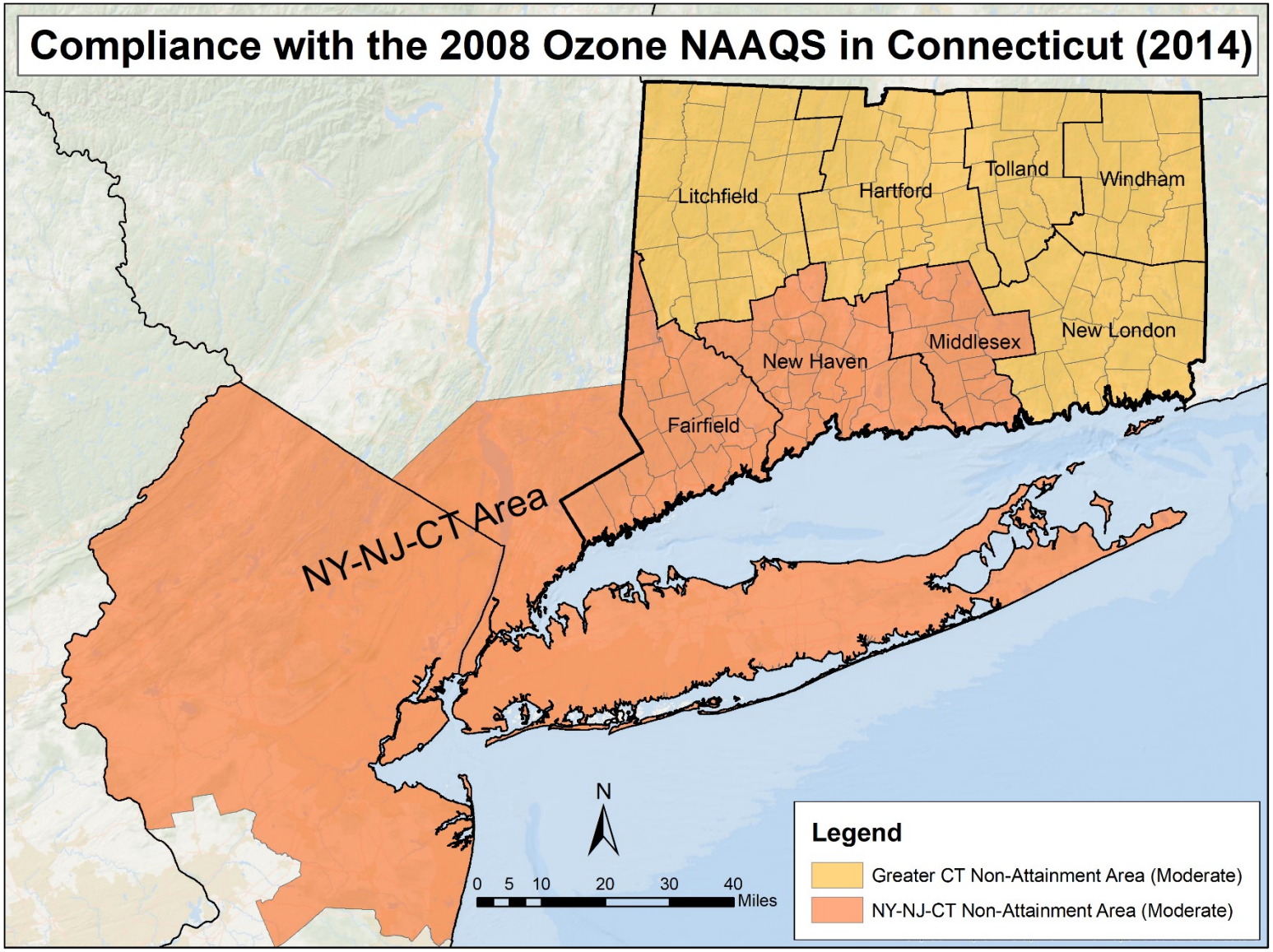


Figure 1-C: 2014 Connecituct $PM_{2.5}$ Status Areas

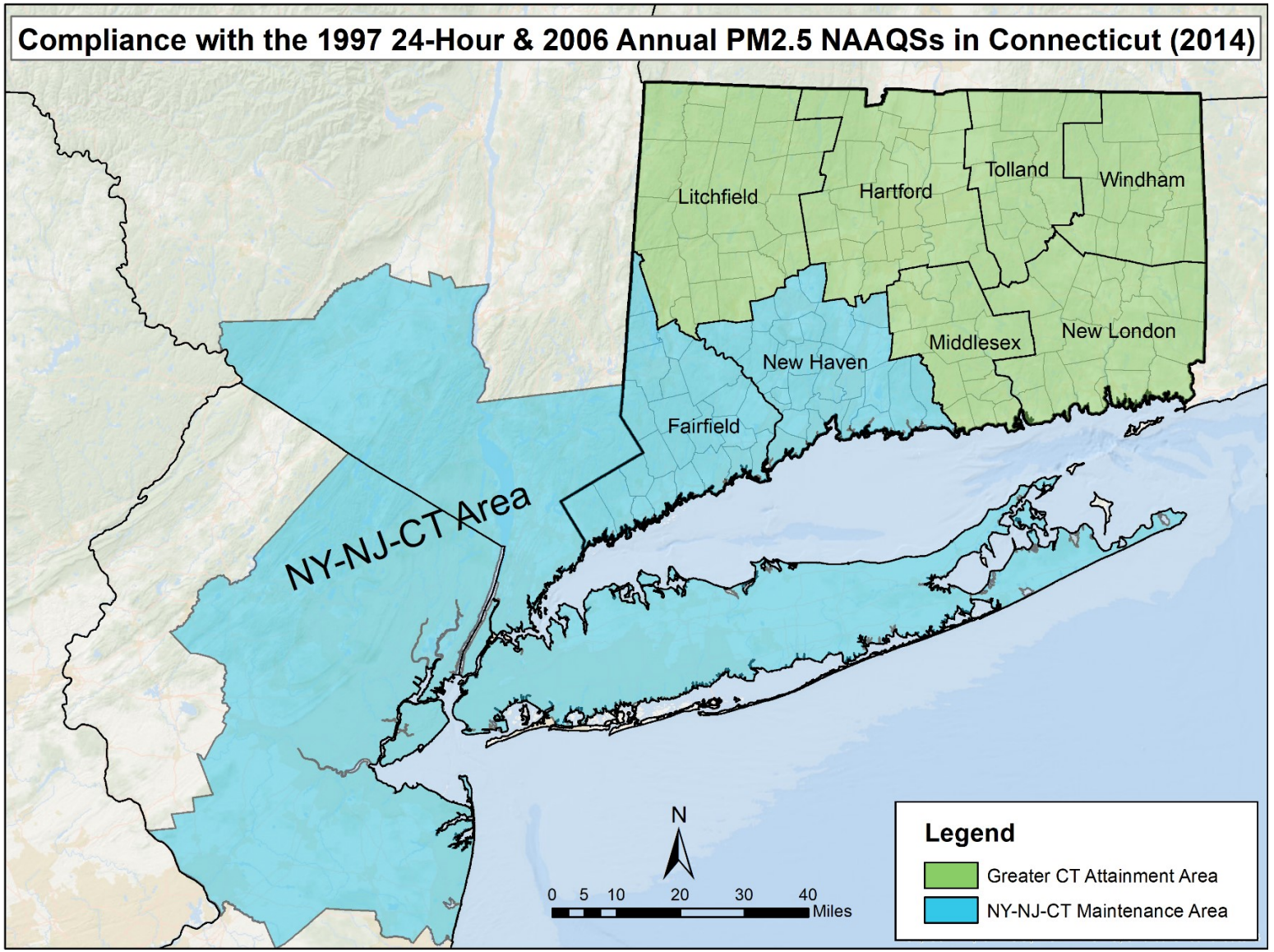
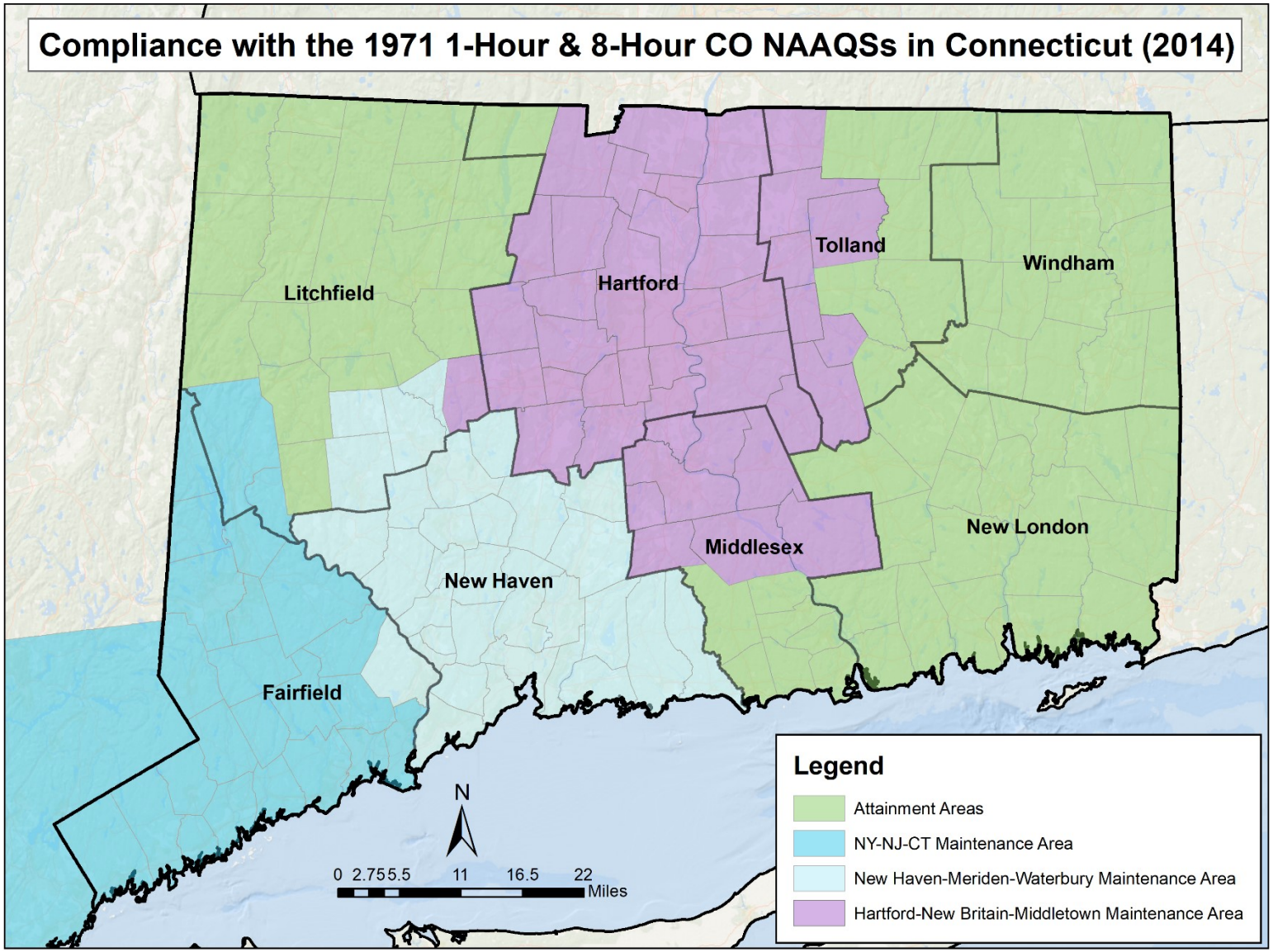


Table 1-3: 2014 Connecticut Carbon Monoxide Status Areas [8]

Description of CO Status Area	Designation	Classification
CT Portion of NY-NJ-CT Area	Attainment	Maintenance
Fairfield County (All cities and towns except Shelton)		
Litchfield County (Bridgewater and New Milford)		
Hartford-New Britain-Middletown Area	Attainment	Maintenance
Hartford County (All cities and towns except Hartland)		
Litchfield County (Plymouth)		
Middlesex County (Cromwell, Durham, East Hampton, Haddam, Middlefield, Middletown, Portland, East Haddam)		
Tolland County (Andover, Bolton, Ellington, Hebron, Somers, Tolland, Vernon)		
New Haven-Meriden-Waterbury Area	Attainment	Maintenance
Fairfield County (Shelton)		
Litchfield County (Bethlehem, Thomaston, Watertown, Woodbury)		
New Haven County		
Eastern Attainment Area	Attainment	Unclassifiable
Middlesex County (All cities and towns not in maintenance areas)		
New London County		
Tolland County (All cities and towns not in maintenance areas)		
Windham County		
Northwest Attainment Area	Attainment	Unclassifiable
Hartford County (Hartland)		
Litchfield County (All cities and towns not in maintenance areas)		

[8] U.S. Environmental Protection Agency. *Greenbook: Carbon Monoxide (1971)*

Figure 1-D: 2014 Connecticut CO Status Areas



1.2 Emissions Summary

This PEI presents the emissions produced during the 2014 calendar year from stationary point sources, mobile sources, area sources, and biogenic sources sources located in each county as well as the ozone non-attainment and $PM_{2.5}$ attainment areas within the State of Connecticut.

Connecticut submits the annual and summer day emissions produced in each ozone non-attainment area to comply with the provisions set forth for 2008 Ozone NAAQS PEIs.[9] The pollutants reported are ozone precursor compounds, volatile organic compounds (VOCs) and oxides of nitrogen (NO_X), as well as carbon monoxide (CO).

The definition of aggregated VOC pollutant used in this PEI excludes non-reactive VOCs, such as methane, ethane, methylene chloride, 1,1,1-trichloroethane, perchloroethylene, acetone, methyl acetate, cyclic, branched, or linear completely methylated siloxanes, and dozens of organofluorine compounds For a comprehensive list of excluded compounds, please refer to the federal definition of VOCs in 40 CFR Part 51.100(s).[10]

Connecticut also submits the annual and summer day emissions produced throughout the state and each of its counties, as well as in the two $PM_{2.5}$ attainment areas. The pollutants reported for annual emissions are ozone precursor compounds (VOC & NO_X), CO, PM_{10} Primary (PM_{10}-PRI), $PM_{2.5}$ Primary ($PM_{2.5}$-PRI), sulfur dioxide (SO_2), ammonia (NH_3), and lead (Pb). Only ozone precursor compounds and CO are reported for summer day emissions.

Statewide annual and summer day emissions from stationary point sources, mobile sources, area sources, and biogenic sources sources are respectively presented in Table 1-4 below and Table 1-6 on page 1-12. These emissions are specified by county in Table 1-5 and Table 1-7, by ozone non-attainment area on page 1-14, and by $PM_{2.5}$ attainment area on page 1-15.

Table 1-4: 2014 Annual Emissions of All Sources in Connecticut

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	26,792	16,627	96,600	5,299	2,498	2,694	589	0.4380
Hartford	27,308	15,281	85,181	5,510	2,457	1,584	993	0.4811
Litchfield	14,546	2,880	25,743	3,431	1,341	451	465	0.1569
Middlesex	10,257	4,077	20,778	1,892	888	619	183	0.1001
New Haven	24,418	13,821	76,267	4,196	2,038	1,839	639	0.3247
New London	15,476	6,626	30,448	3,394	1,342	803	538	0.1356
Tolland	9,371	2,452	16,273	2,070	857	335	375	0.0942
Windham	10,544	2,180	14,380	2,011	889	300	449	0.1213
Connecticut	**138,713**	**63,943**	**365,670**	**27,803**	**12,310**	**8,624**	**4,229**	**1.8520**
Multiple	In-flight (non-Landing-Takeoff cycle) Lead Emissions							**1.2889**
Connecticut (plus lead above boundary layer)c	**Note: EPA estimated 2,577.84 lb/yr (1.2889 Tons per Year) of statewide inflight lead emissions (SCC 22-75-087-000), which when added to the above statewide total of lead emitted below the boundary layer, results in an estimated statewide total of 6,281.84 lb/yr (3.1409 Tons per Year) for 2014 lead emissions**							**3.1409**

[9] 40 CFR § 51.1115(b). https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b)
[10] 40 CFR § 51.100(s). https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.100(s)

Table 1-5: 2014 Annual Emissions of All Sources in Connecticut by County

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield								
Stationary Point Sources	145	2,067	375	94	82	1,045	54	0.0133
On-Road Mobile Sources	4,530	7,497	46,324	474	224	65	243	0.0000
Non-Road Mobile Sources	3,071	3,601	41,172	330	311	48	5	0.3344
Area Sources	11,722	3,398	7,935	4,402	1,881	1,536	287	0.0903
Biogenic Sources	7,324	64	792	0	0	0	0	0.0000
Fairfield Total	**26,792**	**16,627**	**96,600**	**5,299**	**2,498**	**2,694**	**589**	**0.4380**
Hartford								
Stationary Point Sources	110	1,239	572	39	37	87	253	0.0510
On-Road Mobile Sources	4,562	7,959	47,869	502	246	69	263	0.0000
Non-Road Mobile Sources	1,878	2,572	27,396	224	212	56	3	0.3449
Area Sources	12,628	3,409	8,321	4,745	1,962	1,373	474	0.0852
Biogenic Sources	8,130	102	1,023	0	0	0	0	0.0000
Hartford Total	**110**	**1,239**	**572**	**39**	**37**	**87**	**253**	**0.0510**
Litchfield								
Stationary Point Sources	17	74	57	21	21	4	5	0.0805
On-Road Mobile Sources	1,104	1,431	10,283	88	44	12	46	0.0000
Non-Road Mobile Sources	1,055	614	8,543	66	62	1	1	0.0525
Area Sources	2,982	655	5,645	3,257	1,215	434	413	0.0239
Biogenic Sources	9,389	106	1,215	0	0	0	0	0.0000
Litchfield Total	**14,546**	**2,880**	**25,743**	**3,431**	**1,341**	**451**	**465**	**0.1569**
Middlesex								
Stationary Point Sources	43	932	207	107	107	195	13	0.0200
On-Road Mobile Sources	973	1,807	10,400	99	51	15	60	0.0000
Non-Road Mobile Sources	696	678	6,348	55	52	20	1	0.0576
Area Sources	2,309	617	3,151	1,631	679	389	109	0.0226

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Biogenic Sources	6,237	43	672	0	0	0	0	0.0000
Middlesex Total	43	932	207	107	107	195	13	0.0200
New Haven								
Stationary Point Sources	372	473	187	80	79	319	38	0.0086
On-Road Mobile Sources	4,207	7,479	43,918	468	227	65	248	0.0000
Non-Road Mobile Sources	1,936	2,936	24,555	219	207	73	3	0.2345
Area Sources	10,337	2,864	6,752	3,428	1,524	1,382	350	0.0816
Biogenic Sources	7,566	68	855	0	0	0	0	0.0000
New Haven Total	**22,716**	**13,800**	**76,268**	**4,181**	**2,023**	**1,839**	**639**	**0.3228**
New London	**24,418**	**13,821**	**76,267**	**4,196**	**2,038**	**1,839**	**639**	**0.3247**
Stationary Point Sources	194	1,045	256	35	34	135	61	0.0129
On-Road Mobile Sources	1,507	2,865	15,928	165	81	25	96	0.0000
Non-Road Mobile Sources	1,139	1,669	8,185	97	92	30	2	0.0880
Area Sources	4,318	969	5,187	3,097	1,135	613	379	0.0347
Biogenic Sources	8,318	78	892	0	0	0	0	0.0000
New London Total	**15,476**	**6,626**	**30,448**	**3,394**	**1,342**	**803**	**538**	**0.1356**
Tolland								
Stationary Point Sources	6	29	26	17	17	3	7	0.0009
On-Road Mobile Sources	851	1,593	8,682	93	46	13	51	0.0000
Non-Road Mobile Sources	312	334	3,228	33	31	1	0	0.0764
Area Sources	2,119	443	3,664	1,927	763	319	317	0.0169
Biogenic Sources	6,083	54	673	0	0	0	0	0.0000
Tolland Total	**9,371**	**2,452**	**16,273**	**2,070**	**857**	**335**	**375**	**0.0942**
Windham								
Stationary Point Sources	73	242	184	113	103	35	65	0.0004
On-Road Mobile Sources	638	1,057	6,373	62	31	9	34	0.0000
Non-Road Mobile Sources	437	434	3,608	42	39	1	1	0.1066
Area Sources	1,797	385	3,434	1,793	715	255	350	0.0144

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Biogenic Sources	7,598	61	781	0	0	0	0	0.0000
Windham Total	**10,544**	**2,180**	**14,380**	**2,011**	**889**	**300**	**449**	**0.1213**
Statewide Total	**138,713**	**63,943**	**365,670**	**27,803**	**12,310**	**8,624**	**4,229**	**1.8520**
In flight aircraft emissions above the boundary layer								**1.2889**
Statewide Total with In flight aircraft emissions above the boundary layer	**138,713**	**63,943**	**365,670**	**27,803**	**12,310**	**8,624**	**4,229**	**3.1409**

Table 1-6: 2014 Summer Day Emissions of All Sources in Connecticut

County	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Fairfield	121.6	51.6	478.7
Hartford	121.7	46.8	370.1
Litchfield	84.3	9.2	99.9
Middlesex	59.1	19.9	85.9
New Haven	112.0	42.6	328.2
New London	85.3	32.8	113.5
Tolland	53.7	7.5	55.8
Windham	64.8	7.5	51.6
Connecticut	**702.5**	**217.8**	**1,583.8**

Table 1-7: 2014 Summer Day Emissions of All Sources in Connecticut by County

Source Type	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Fairfield			
Stationary Point Sources	0.4	5.3	0.8
On-Road Mobile Sources	12.7	20.6	142.9
Non-Road Mobile Sources	18.5	21.2	323.1
Area Sources	35.3	4.3	7.0
Biogenic Sources	54.7	0.3	5.0
Fairfield Total	**121.6**	**51.6**	**478.7**
Hartford			
Stationary Point Sources	0.3	4.8	2.5
On-Road Mobile Sources	12.9	22.1	149.7
Non-Road Mobile Sources	11.1	15.1	204.3
Area Sources	39.0	4.3	7.4
Biogenic Sources	58.4	0.4	6.3
Hartford Total	**121.7**	**46.8**	**370.1**
Litchfield			
Stationary Point Sources	0.04	0.2	0.2
On-Road Mobile Sources	3.0	3.9	28.9
Non-Road Mobile Sources	6.0	3.9	61.6
Area Sources	7.0	0.7	1.6
Biogenic Sources	68.3	0.5	7.6
Litchfield Total	**84.3**	**9.2**	**99.9**

Source Type	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Middlesex			
Stationary Point Sources	0.3	10.1	2.5
On-Road Mobile Sources	2.7	5.0	32.8
Non-Road Mobile Sources	4.4	3.9	45.1
Area Sources	6.1	0.7	1.4
Biogenic Sources	45.6	0.2	4.1
Middlesex Total	**59.1**	**19.9**	**85.9**
New Haven			
Stationary Point Sources	1.3	1.8	1.2
On-Road Mobile Sources	11.7	20.5	137.3
Non-Road Mobile Sources	11.8	16.5	178.2
Area Sources	31.3	3.5	6.2
Biogenic Sources	55.9	0.3	5.3
New Haven Total	**112.0**	**42.6**	**328.2**
New London			
Stationary Point Sources	0.8	15.3	1.2
On-Road Mobile Sources	4.4	8.0	51.0
Non-Road Mobile Sources	7.4	7.9	53.7
Area Sources	12.0	1.1	2.1
Biogenic Sources	60.7	0.3	5.4
New London Total	**85.3**	**32.8**	**113.5**
Tolland			
Stationary Point Sources	0.01	0.1	0.1
On-Road Mobile Sources	2.4	4.4	27.0
Non-Road Mobile Sources	2.0	2.3	23.4
Area Sources	5.2	0.4	1.1
Biogenic Sources	44.0	0.2	4.1
Tolland Total	**53.7**	**7.5**	**55.8**
Windham			
Stationary Point Sources	0.2	1.0	0.8
On-Road Mobile Sources	1.8	2.9	19.4
Non-Road Mobile Sources	2.9	2.9	25.7
Area Sources	4.3	0.4	0.9
Biogenic Sources	55.5	0.3	4.8
Windham Total	**64.8**	**7.5**	**51.6**
Statewide Total	**702.5**	**217.8**	**1,583.8**

Table 1-8: 2014 Annual Emissions of Ozone Precursor Compounds in the Connecticut Portion of the NY-NJ-CT Ozone Non-Attainment Area

Source Type	Annual Emissions [TPY]		
	VOC	NO_X	CO
Stationary Point Sources	560	3,471	770
On-Road Mobile Sources	9,709	16,784	100,642
Non-Road Mobile Sources	5,703	7,215	72,076
Area Sources	24,369	6,880	17,838
Biogenic Sources	21,127	175	2,319
Total of All Sources	**61,468**	**34,525**	**193,645**

Table 1-9: 2014 Annual Emissions of Ozone Precursor Compounds in the Greater Connecticut Ozone Non-Attainment Area

Source Type	Annual Emissions [TPY]		
	VOC	NO_X	CO
Stationary Point Sources	400	2,628	1,096
On-Road Mobile Sources	8,662	14,903	89,134
Non-Road Mobile Sources	4,821	5,625	50,958
Area Sources	23,843	5,861	26,252
Biogenic Sources	39,519	402	4,584
Total of All Sources	**77,245**	**29,418**	**172,025**

Table 1-10: 2014 Summer Day Emissions of Ozone Precursor Compounds in the Connecticut Portion of the NY-NJ-CT Ozone Non-Attainment Area

Source Type	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Stationary Point Sources	2.0	17.1	4.4
On-Road Mobile Sources	27.2	46.1	313.0
Non-Road Mobile Sources	34.7	41.6	546.5
Area Sources	72.7	8.5	14.6
Biogenic Sources	156.2	0.8	14.3
Total of All Sources	**292.8**	**114.0**	**892.8**

Table 1-11: 2014 Summer Day Emissions of Ozone Precursor Compounds in the Greater Connecticut Ozone Non-Attainment Area

Source Type	Summer Day Emissions [ton/day]		
	VOC	NO_X	CO
Stationary Point Sources	14.2	21.4	4.7
On-Road Mobile Sources	24.4	41.4	276.0
Non-Road Mobile Sources	29.5	32.1	368.8
Area Sources	67.6	7.1	13.1
Biogenic Sources	286.9	1.7	28.3
Total of All Sources	**409.7**	**103.7**	**691.0**

Table 1-12: 2014 Annual Emissions of All Sources in the Connecticut Portion of the NY-NJ-CT $PM_{2.5}$ Maintence Area

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Stationary Point Sources	517	2,540	563	174	161	1,364	92	0.0218
On-Road Mobile Sources	8,737	14,976	90,242	942	451	129	491	0.0000
Non-Road Mobile Sources	5,007	6,538	65,728	549	518	121	8	0.5689
Area Sources	22,060	6,263	14,688	7,830	3,405	2,918	637	0.1719
Biogenic Sources	14,890	131	1,647	0	0	0	0	0.0000
Total of All Sources	**51,211**	**30,448**	**172,867**	**9,495**	**4,536**	**4,532**	**1,228**	**0.7627**

Table 1-13: 2014 Annual Emissions of All Sources in the Greater Connecticut $PM_{2.5}$ Attainment Area

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Stationary Point Sources	443	3,560	1,303	332	318	458	403	0.1656
On-Road Mobile Sources	9,634	16,711	99,534	1,009	500	143	550	0.0000
Non-Road Mobile Sources	5,518	6,302	57,306	516	488	109	7	0.7260
Area Sources	26,152	6,479	29,403	16,451	6,469	3,382	2,041	0.1977
Biogenic Sources	45,756	445	5,257	0	0	0	0	0.0000
Total of All Sources	87,503	33,496	192,803	18,308	7,774	4,092	3,001	1.0893

Section 1 References

1. 40 CFR § 51.1115(b). 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b).
2. U.S. Environmental Protection Agency. 2017. *Emissions Inventory Guidence for Implementation of Ozone and Particulate Matter National Ambient Air Quality Snandards (NAAQS) and Regional Haze.* https://www.epa.gov/sites/default/files/2017-07/documents/ei_guidance_may_2017_final_rev.pdf
3. 40 CFR § 50.10. 2008. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-50#50.11.
4. U.S. Environmental Protection Agency. 2014. *Greenbook: 8-Hour Ozone (2008) Designated Area State/Area/County Report.* https://www3.epa.gov/airquality/greenbook/hbcs.html#CT.
5. $PM_{2.5}$ is defined as Particulate Matter (PM) with an aerodynamic diameter equal or less than 2.5 microns
6. U.S. Environmental Protection Agency. 2014. *Greenbook: PM-2.5 (1997) Designated Area State/Area/County Report.* https://www3.epa.gov/airquality/greenbook/qbcs.html#CT.
7. U.S. Environmental Protection Agency. 2014. *Greenbook: Carbon Monoxide (1971) Designated Area State/Area/County Report.* https://www3.epa.gov/airquality/greenbook/cbcs.html#CT.
8. U.S. Environmental Protection Agency. *Greenbook: Carbon Monoxide* (1971)
9. 40 CFR § 51.1115(b). 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b).
10. 40 CFR § 51.100(s). 2017. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.100(s).

Section 2 Stationary Point Sources

2.0 Introduction

This section documents the identification of stationary air pollution sources active in Connecticut during the 2014 calendar year. It serves to characterize the point source component of the emissions inventory by describing data collection, verification, and emissions estimation techniques. For the purpose of this emissions inventory, point sources are defined as stationary commercial or stationary industrial operations or plants that were major sources during calendar year 2014.

The CT DEEP Bureau of Air Management is responsible for compiling the point source inventory. These responsibilities include identifying which plants meet the cut-off criteria, documenting the methods used to calculate emissions from the equipment at each of these plants, and summarizing and presenting the findings. Table 2-1 and Table 2-2, below, respectively present the annual and typical high ozone summer day emissions for all point sources in each county.

Table 2-1: 2014 Annual Emissions of Stationary Point Sources in Connecticut

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	144.08	2,061.66	373.21	92.99	81.47	1,044.73	54.26	0.0069
Hartford	109.61	1,238.59	571.99	39.44	37.19	86.57	225.89	0.0459
Litchfield	17.23	74.13	57.44	20.56	20.55	3.62	4.81	0.0002
Middlesex	42.62	931.77	207.07	102.45	99.86	195.47	12.73	0.0200
New Haven	369.30	472.85	189.28	65.82	64.63	319.69	37.66	0.0067
New London	193.60	1,044.35	255.63	32.84	31.47	135.26	61.31	0.0123
Tolland	5.97	28.69	25.53	17.20	17.18	2.52	6.61	0.0007
Windham	73.44	241.83	184.50	112.97	102.81	34.80	64.72	0.0004
Connecticut	**955.86**	**6,093.87**	**1,864.66**	**484.28**	**455.16**	**1,822.66**	**467.98**	**0.0931**

Table 2-2: 2014 Summer Day Emissions of Stationary Point Sources in Connecticut

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	818	10,517	1,508
Hartford	606	9,664	4,958
Litchfield	90	364	309
Middlesex	694	20,154	4,976
New Haven	2,517	3,600	2,359
New London	2,036	30,647	5,190
Tolland	26	211	153
Windham	490	1,964	1,557
Connecticut	**7,277**	**77,119**	**21,011**

2.1 Identification of 2014 Point Sources

Since 2009, only Title V sources, defined in RCSA Sec. 22a-174-33, that have a Title V permit or that have been specifically requested to file by CT DEEP are required to submit an emissions statement.[11] Beginning in 2014, companies were required to submit their emissions statements electronically via CT DEEP's software application, EMIT. Emissions of the following pollutants are collected using EMIT: VOC, NO_X, CO, PM_{10} primary (PM_{10}-PRI), PM_{10} filterable (PM_{10}-FIL), $PM_{2.5}$ primary ($PM_{2.5}$-PRI), $PM_{2.5}$ filterable ($PM_{2.5}$-FIL), PM condensable (PM-CON), SO_2, NH_3, and Hazardous Air Pollutants (HAPs), including lead (Pb).

The 2014 periodic stationary source inventory is based on the emissions statements, which reported the source's actual 2014 emissions signed by a corporate officer who attested to the accuracy of their calculations. Eighty sites, detailed in Table 2-3 below, submitted an emissions statement in 2014. Compliance with the emissions statement program was 100 percent from all of the companies operating under a Title V permit during this year.This state collected point inventory was supplemented by EPA 2017 Toxic Release Inventory data to obtain a more accurate point lead emission estimate.

Connecticut uses a combination of the town, premises within the town, and statewide client identification number to create a unique state facility ID that is used in EMIT.

Table 2-3: List of Stationary Point Sources

EIS Facility ID	Site Name	Town Name	Town Code	Premises	Client ID	Title V Permit No.
FAIRFIELD County						
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	15	862	6859	015-0256-TV
14623811	BRIDGEPORT INSULATED WIRE CO	STRATFORD	178	60	4680	178-0127-TV
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	67	17	7741	067-0072-TV
533411	Cray Valley USA, LLC	STRATFORD	178	167	6023	178-0088-TV
589611	HAMPFORD RESEARCH INC	STRATFORD	178	223	5988	178-0132-TV
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	28	49	8044	028-0029-TV
2722211	KINGSWOOD KITCHENS INC	DANBURY	44	226	3050	044-0121-TV
552411	NORWALK HOSPITAL ASSOCIATION.	NORWALK	137	3	1727	137-0094-TV
588811	PolyOne Designed Structures and Solutions	STAMFORD	172	91	8762	172-0133-TV
754311	PSEG PWR CT LLC/BPT HARBOR STA.	BRIDGEPORT	15	45	8087	015-0217-TV
642511	SIKORSKY AIRCRAFT	STRATFORD	178	5	130	178-0086-TV
754211	Sprague Operating Resources, LLC	BRIDGEPORT	15	17	8751	015-0215-TV
14623911	STRATFORD SCHOOL FOR AVIATION	STRATFORD	178	231	5239	178-0125-TV
14623611	WATERSIDE POWER LLC	STAMFORD	172	26	8048	172-0236-TV
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	15	765	8786	015-0219-TV
HARTFORD County						
589711	ALGONQUIN POWER WINDSOR LOCKS	WINDSOR LOCKS	213	1	8095	213-0069-TV
14624511	C R R A / HARTFORD LANDFILL	HARTFORD	75	761	5497	075-0377-TV
715611	C R R A / MID-CONNECTICUT	HARTFORD	75	158	5497	075-0252-TV
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	75	766	8310	075-0244-TV

[11] RCSA § 22a-174-33. 2018. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174Section_22a-174-33/

EIS Facility ID	Site Name	Town Name	Town Code	Premises	Client ID	Title V Permit No.
2753711	CITGO PETROLEUM CORP	ROCKY HILL	155	4	6114	
588711	COVANTA BRISTOL, INC	BRISTOL	26	202	6590	026-0055-TV
2753811	CTG Resources	ROCKY HILL	155	15	142	155-0065-TV
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	213	2	130	213-0081-TV
552311	M D C /HARTFORD WPCF	HARTFORD	75	505	1046	075-0246-TV
14622811	Manchester Landfill Premises	MANCHESTER	97	225	197	097-0127-TV
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	53	9	130	053-0071-TV
918811	STANLEY TOOLS DIV	NEW BRITAIN	110	282	110	110-0083-TV
2673711	SUPREME LAKE MFG CO	SOUTHINGTON	168	110	4470	168-0040-TV
LITCHFIELD County						
587911	Albea Metal Americas Inc.	WATERTOWN	200	26	8709	200-0034-TV
2711411	Braxton Manufacturing Company, Inc.	WATERTOWN	200	52	6689	200-0052-TV
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	183	24	7741	
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	183	43	7741	
845911	KIMBERLY-CLARK CORP	NEW MILFORD	130	6	1672	130-0050-TV
2673811	WASTE MANAGEMENT OF CT INC	NEW MILFORD	130	67	2245	130-0046-TV
MIDDLESEX County						
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	43	5	8483	043-0020-TV
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	104	246	8070	104-0150-TV
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	104	24	7741	104-0106-TV
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	104	7	130	104-0103-TV
NEW HAVEN County						
658111	Allnex USA, Inc	WALLINGFORD	189	27	8763	189-0136-TV
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	189	76	6012	189-0206-TV
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	14	4	7741	
589911	COVANTA PROJECTS OF WALLINGFORD, L.P.	WALLINGFORD	189	178	6590	189-0157-TV
590011	DEVON POWER, LLC	MILFORD	105	14	7741	105-0063-TV
15588611	EVONIK CYRO LLC	WALLINGFORD	189	27	8277	189-0237-TV
918711	GULF OIL L.P.	NEW HAVEN	117	88	6566	117-0257-TV
843211	MAGELLAN TERMINALS HOLDINGS,LP	NEW HAVEN	117	519	7884	117-0262-TV
844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	NEW HAVEN	117	212	7884	117-0270-TV
2708911	MILFORD POWER CO, LLC	MILFORD	105	251	7780	105-0071-TV
555511	MOTIVA ENTERPRISES LLC	NEW HAVEN	117	53	7461	117-0261-TV
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	117	120	1457	117-0263-TV
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	54	5	1457	054-0015-TV

EIS Facility ID	Site Name	Town Name	Town Code	Premises	Client ID	Title V Permit No.
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	189	114	8224	189-0236-TV
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	117	551	8087	117-0265-TV
555711	SOMERS THIN STRIP	WATERBURY	192	53	8474	192-0200-TV
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	135	117	5244	135-0135-TV
14624011	Wallingford Energy LLC	WALLINGFORD	189	114	8691	189-0221-TV
15588211	WATERBURY GENERATION, LLC	WATERBURY	192	5	8468	192-0304-TV
843911	YALE UNIV /CENTRAL POWER PLT	NEW HAVEN	117	48	205	117-0272-TV
898111	YALE UNIV, SCHOOL OF MEDICINE	NEW HAVEN	117	49	205	117-0271-TV
NEW LONDON County						
15588411	AMERICAS STYRENICS, LLC	LEDYARD	92	2	8497	092-0027-TV
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	150	12	6032	150-0008-TV
922211	ELECTRIC BOAT CORP	GROTON	70	5	46	070-0193-TV
552711	Fusion Paperboard Connecticut LLC	SPRAGUE	170	2	8694	170-0012-TV
590111	Millstone Power Station	WATERFORD	199	3	8003	199-0038-TV
552611	MONTVILLE POWER, LLC	MONTVILLE	107	5	7741	107-0043-TV
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	139	105	6101	
921211	PFIZER INC	GROTON	70	4	89	070-0192-TV
2662011	RockTenn	MONTVILLE	107	4	8708	107-0041-TV
15588511	Styron LLC - Allyn's Point	LEDYARD	92	2	8661	092-0028-TV
15588311	The Gilman Brothers Company	BOZRAH	13	1	362	013-0010-TV
16708111	Tunnel Station	PRESTON	150	1	8542	
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	70	28	800	070-0194-TV
8501611	WHEELABRATOR LISBON INC	LISBON	93	14	2245	093-0020-TV
TOLLAND County						
642611	UNIV OF CT / STORRS	MANSFIELD	98	15	1138	098-0029-TV
WINDHAM County						
751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	CHAPLIN	34	2	8483	034-0004-TV
2765911	FRITO-LAY INC	KILLINGLY	89	65	7514	089-0066-TV
844711	LAKE ROAD GENERATING CO, L.P.	KILLINGLY	89	80	7442	089-0083-TV
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	145	74	8772	145-0050-TV
2766111	ReEnergy Sterling	STERLING	176	5	8685	176-0006-TV
844811	TEGRANT DIVERSIFIED BRANDS,INC	PUTNAM	152	8	5365	152-0034-TV

2.2 Emissions Estimation Procedures

Emissions calculations should be based on the following methods, which are listed here in order of CT DEEP/EPA preference:

1) Continuous Emissions Monitoring Systems (CEMs) and Predictive Emissions Monitoring Systems (PEMs) that are required by statute, regulation, or Permit or Order condition. Emissions data generated by these systems shall serve as the basis for emissions reported in EMIT;
2) Reference method emissions testing that has been deemed by CT DEEP to be representative of current and normal operating conditions;
3) A facility-specific emissions factor that has either been approved by CT DEEP or is based on a material balance with supporting documentation provided to CT DEEP;
4) EPA-published emissions factors where available. Some of these factors are provided automatically in EMIT from WebFire based on SCCs;
5) Emissions factors from other industry and trade groups based on sound science. These should be discussed with CT DEEP prior to use;
6) Best engineering judgement.

Sites are allowed to report a rule effectiveness value for each source and pollutant when the emissions are controlled. EMIT automatically uses this rule effectiveness value to calculate emissions, unless the emissions are based upon CEM systems, the EPA tank model, or an after-control emissions factor.

Summer seasonal adjustments are included in the emissions estimates for applicable point source categories. The operating schedule for each material (SCC level), the seasonal rate of operation for the summer, and the days per week are used to determine daily emissions.

The following general equation was used to account for seasonal adjustments for point sources:

$$E_s = E_a * \frac{T_s}{D_s * W_s} * [1 - (Eff * Cap * Rule)]$$

Equation I

Where:

E_s = seasonally adjusted emissions in pounds per day
E_a = annual uncontrolled emissions of VOC, NOx, or CO in pounds per year
T_s = throughput for Ozone as a fraction of total throughput
D_s = days of operation per week
W_s = weeks of ozone or CO season in weeks per year
Eff = control efficiency
Cap = capture efficiency
$Rule$ = rule effectiveness

See Appendix B for sample calculations of annual and seasonal adjustments, for several common source types.

2.3 Emissions Summary Tables

For the 2014 PEI, Connecticut is submitting all facilities that reported their actual 2014 emissions. The following tables were prepared to display the emissions data:

Table C-1	Annual Emissions of Point Sources
Table C-2	2014 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions
Table C-3	Summer Day Emissions of Point Sources
Table C-4	List of Source Classification Codes and Respective EMIT Default Emission Factors
Table C-5	Facility Level of 2017 Connecticut Point Source Inventory

2.4 Point Source Quality Control Procedures

To ensure a high-quality point source inventory is created, point source emissions data must be regularly updated in an accurate manner. Emissions data is reported annually by verified site editors using CT DEEP's EMIT system and is then reviewed for accuracy and verified by CT DEEP staff prior to its submission to EPA.

See Appendix A for the developmental history of quality control procedures in Connecticut.

2.4.1 Data Entry

EMIT has a number of required data fields that must be entered in by the site editor. To ensure there is no missing data for a site, site editors are unable to save and submit their emissions unless all required fields have been completed. In addition, there are a number of EMIT validation checks to ensure that the value entered into each field is within an acceptable range. Site editors will receive an error message if an entered value falls outside of the range. To support data consistency and quality control, wherever possible, users are provided a dropdown list where they can select from a predefined set of acceptable values. EMIT automatically performs a number of validation checks while sites are completing their emissions statement, prompting editors to provide missing data and correct errant or incongruent data.

Prior to CT DEEP implementing the EMIT system, sites were required to calculate their emissions and to submit their emissions statements on paper. One of the most common errors that occurred during this process was that they miscalculated their emissions. This is no longer an issue because the EMIT system calculates emissions for users at the SCC, source, and site level each time a parameter is updated. The calculation routines used by EMIT have been thoroughly tested and shown to be correct and, together with EMIT's validation checks, help to minimize errors formerly caused by paper submission.

In addition, when sites attempt to submit their emissions statements, EMIT performs another series of quality assurance (QA) checks. Examples of validation rules that must be satisfied before a site can submit an emissions statement are as follows:

- The sum of all photochemically reactive VOC HAPs cannot exceed total VOC emissions.
- The PM_{10} primary emissions cannot be less than the sum of the PM_{10} filterable and PM condensable emissions.
- The $PM_{2.5}$ primary emissions cannot be less than the sum of the $PM_{2.5}$ filterable and PM condensable emissions.
- The PM_{10} primary emissions cannot be less than the $PM_{2.5}$ primary emissions
- Typical summer day activity was greater than the annual activity.
- The annual activity was zero and the annual emissions were greater than zero.
- The summer day activity was zero and the summer day emissions were greater than zero.

- The seasonal activity percentage breakdown must equal 100 percent.
- A source must have at least one SCC associated to it. Emissions are calculated at the SCC level and then aggregated up to the source and finally the site level.

2.4.2 Data Verification

Once emissions statements are submitted by sites, data verification is performed by CT DEEP staff to check for consistency and completeness of the reported data. QA reviews were conducted by staff via ad-hoc queries of submitted 2014 emissions statements. Companies were contacted and given the option to correct or confirm their submitted data if any of the following situations occurred:

- The PM_{10} primary emissions for a process were greater than zero and the $PM_{2.5}$ primary emissions were zero.
- The VOC emissions estimates included reductions due to control equipment, but no such reductions were applied in the estimation of VOC HAP emissions.

The Enforcement Division, through their Pre-Inspection Questionnaire (PIQ) and in-person inspections, verify on-site company records regarding fuel use, solvent use, and production rate data previously submitted in the emissions statement reports.

Efforts are made throughout this process to ensure that no point source is also included in the area source inventory. Although the method varies for different categories, generally, emissions accounted for in the point source inventory must be subtracted from the total emissions estimated for their corresponding area source categories.

After CT DEEP completes its quality control, the point source data is submitted to the EPA Emissions Information System (EIS) where EPA applies its own checks. In some cases the action plan requires a response or re-submittal by emissions reporters. In 2014, no records were tagged by EPA, so no responses or re-submittals were required for this reporting year.

2.4.3 Additional Quality Control Procedures

In addition to being submitted for the PEI, point source inventory data is routinely used by various groups in the CT DEEP Bureau of Air Management.

For example:

- By the permitting group to assess permit processing fees
- By the modeling group for ambient impact analysis of new point sources
- By the administrative enforcement group for state orders and notices of violation
- By the business office for Title V annual emissions fees

As errors are detected by any of these groups, the appropriate corrections are made in the point source inventory.

The last aspect of quality control involves internal measures used by point source inventory personnel. Reasonableness checks are made on important variables.

Section 2 References

11. RCSA § 22a-174-33. 2018. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174Section_22a-174-33/.

Section 3 Mobile Sources

3.0 Introduction

This section documents the procedures used to estimate emissions from mobile sources active in Connecticut during the 2014 calendar year. Mobile sources are comprised of two main groups: on-road mobile sources and non-road mobile sources.

On-road mobile sources are motor vehicles (e.g. automobiles, buses, and trucks) that travel on local roads and highways. A motor vehicle is defined in 40 CFR 51.50 as "any self-propelled vehicle used to carry people or property on a street or highway".[12] Emissions from on-road vehicles are the result of several processes, including the combustion of fuel while vehicles are starting, idling, or moving; the evaporation of fuel from the fuel system and during refueling; as well as from the wearing of brakes and tires.

Non-road mobile sources are comprised of non-road engines and non-road vehicles, which are respectively defined in 40 CFR 51.50 as "an internal combustion engine (including fuel system) that is not used in a motor vehicle or a vehicle used solely for competition, or that is not affected by sections 111 or 202 of the Clean Air Act" and "a vehicle that is run by a non-road engine and that is not a motor vehicle or a vehicle used solely for competition".[13] These sources include vehicles, engines, and equipment used for construction, agriculture, recreation, and many other purposes. The equipment must either move under its own power or be capable of being moved from site to site. Emissions from non-road vehicles come from both exhaust and non-exhaust processes, including the combustion of fuel while vehicles are starting, idling, or moving, as well as from the evaporation of fuel from the fuel system and during refueling.

The EPA also develops and maintains approaches for estimating emissions from aircraft, commercial marine vessels, and locomotives which are documented as part of the NEI program; these source categories are respectively addressed in Subsections 3.3 through 3.5.

The annual emissions for on-road and non-road mobile sources can be found on Table 3-1 and Table 3-2, respectively. Emissions for a typical high ozone summer day can be found on Table 3-3 and Table 3-4.

[12] 40 CFR § 51.50. 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.50
[13] 40 CFR § 51.50.

Table 3-1: Annual 2014 On-Road[14] Emissions Summary by County

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	4,530	7,497	46,324	474	224	65	243	0
Hartford	4,562	7,959	47,869	502	246	69	263	0
Litchfield	1,104	1,431	10,283	88	44	12	46	0
Middlesex	973	1,807	10,400	99	51	15	60	0
New Haven	4,207	7,479	43,918	468	227	64	248	0
New London	1,507	2,865	15,928	165	81	25	96	0
Tolland	851	1,593	8,682	93	46	13	51	0
Windham	638	1,057	6,373	62	32	9	34	0
Connecticut	**18,371**	**31,687**	**189,776**	**1,951**	**951**	**272**	**1,041**	**0**

Table 3-2: 2014 Annual Non-Road Emissions in Connecticut by County

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	3,070	3,574	41,170	330	311	48	4.7	0.3343
Hartford	1,878	2,572	27,396	224	212	56	3.1	0.3449
Litchfield	1,055	614	8,543	66	62	1.3	0.98	0.0525
Middlesex	696	678	6,348	55	52	20	0.85	0.0576
New Haven	1,935	2,916	24,554	219	207	73	3.3	0.2344
New London	1,139	1,669	8,185	97	92	30	1.6	0.0880
Tolland	312	334	3,228	33	31	0.76	0.47	0.0764
Windham	437	434	3,608	42	39	1.1	0.57	0.1066
Connecticut	**10,523**	**12,792**	**123,030**	**1,064**	**1,005**	**230**	**16**	**2.5837**

The above statewide lead (Pb) emissions include 1.2889 TPY of inflight lead emissions.

Table 3-3 2014 Summer Day On-Road Emissions Summary by County

County	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	25,425	41,231	285,762
Hartford	25,754	44,216	299,336
Litchfield	5,987	7,845	57,800
Middlesex	5,459	9,928	65,626
New Haven	23,487	41,033	274,590
New London	8,703	16,016	102,035
Tolland	4,808	8,847	54,097
Windham	3,585	5,877	38,828
Connecticut	**103,208**	**174,992**	**1,178,072**

Table 3-4: 2014 Summer Day Non-Road Emissions by County

County	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	36,952	42,157	646,258
Hartford	22,270	30,183	408,603
Litchfield	12,022	7,804	123,244
Middlesex	8,746	7,801	90,199
New Haven	23,661	32,816	356,416
New London	14,820	15,899	107,403
Tolland	4,018	4,537	46,874
Windham	5,804	5,797	51,480
Connecticut	**128,293**	**146,995**	**1,830,478**

[14] On-road refueling emissions are included in the Area Sources summary and are therefore excluded from on-road emissions.

3.0.1 Mobile Source Models

As directed by the *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations*, mobile source emissions are estimated by using the latest recommended mobile source model, the MOtor Vehicle Emission Simulator (MOVES).[15] The original version of MOVES, MOVES2010, replaced the previous EPA on-road simulator, MOBILE6.2. While MOBILE6.2 is now obsolete, some data infrastructure is still aligned with input into MOBILE6.2. For that reason, the EPA has released tools to convert data from the MOBILE6.2 format to MOVES format; this will be further discussed in Part 3.1.1. MOVES2014 was released in October 2014 and further improved mobile source modeling by integrating the latest EPA non-road model, NONROAD2008, into MOVES. This now allows all mobile source modeling, whether it is on-road or non-road, to be performed in a single simulator. MOVES2014 was updated after the original August 2018 release. The most recent version of MOVES2014b (default database movesdb20181022 - application master code version MOVES2014b-20181203) was used. This release contains improvements in modeling non-road sources. Due to the improvements in the non-road sector, the modeling efforts in this PEI have been re-run in MOVES2014b to determine a more accurate estimate of emissions in Connecticut.

The inputs for MOVES are to be developed in accordance with the latest MOVES guidance. The available guidance, *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity* (MOVES Technical Guidance), focuses on determining the appropriate inputs for MOVES and how the simulation should be run to develop representative emissions estimates for vehicles.[16] The MOVES Technical Guidance describes when the default MOVES inputs are appropriate or when to consider providing locally-specific MOVES inputs.

3.0.2 Meteorological Inputs for Mobile Sources

The meteorological inputs used in MOVES to model annual on-road and non-road mobile sources are consistent with the meteorological inputs used to create Connecticut's Motor Vehicle Emissions Budgets (MVEBs) for annual NO_X and $PM_{2.5}$ in accordance with the 1997 annual and 2006 24-hr $PM_{2.5}$ NAAQS SIP.

The meteorological inputs used in MOVES to model summer day on-road and non-road mobile sources are consistent with the meteorological inputs used to create Connecticut's MVEBs for summer day NO_X and VOCs in accordance with the 2008 Ozone SIPs. For Southwest Connecticut and for Greater Connecticut

3.0.2.1 Effect of Temperature and Humidity on Ozone Formation

The only two meteorological inputs MOVES requires are temperature and humidity due to their relationship with ozone-forming pollutants. Hot, sunny days are tightly correlated with increased production of ground-level ozone from NO_X and VOCs in several ways: [17]

1) Hot weather can create stagnant air conditions which causes ozone and its precursors to accumulate;
2) Sunlight gives energy to the photochemical reaction converting NO_X and VOCs into ozone;
3) Higher temperatures can lead to increased evaporation of VOC emissions;
4) Humidity is important for estimating the correct NO_X correction factor.

[15] U.S. Environmental Protection Agency. 2017. "Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations". Pg 27.
[16] U.S. Environmental Protection Agency. 2018. "MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity". https://nepis.epa.gov/Exe/ZyPDF.cgi/P100V7EY.PDF?Dockey=P100V7EY.PDF
[17] National Weather Service. Clearing the Air on Weather and Air Quality. https://www.weather.gov/wrn/summer-article-clearing-the-air.

Therefore, local temperature and humidity data should be used to accurately model emissions in MOVES. These meteorological inputs are specified for zones (counties or non-attainment areas), months, and hours.

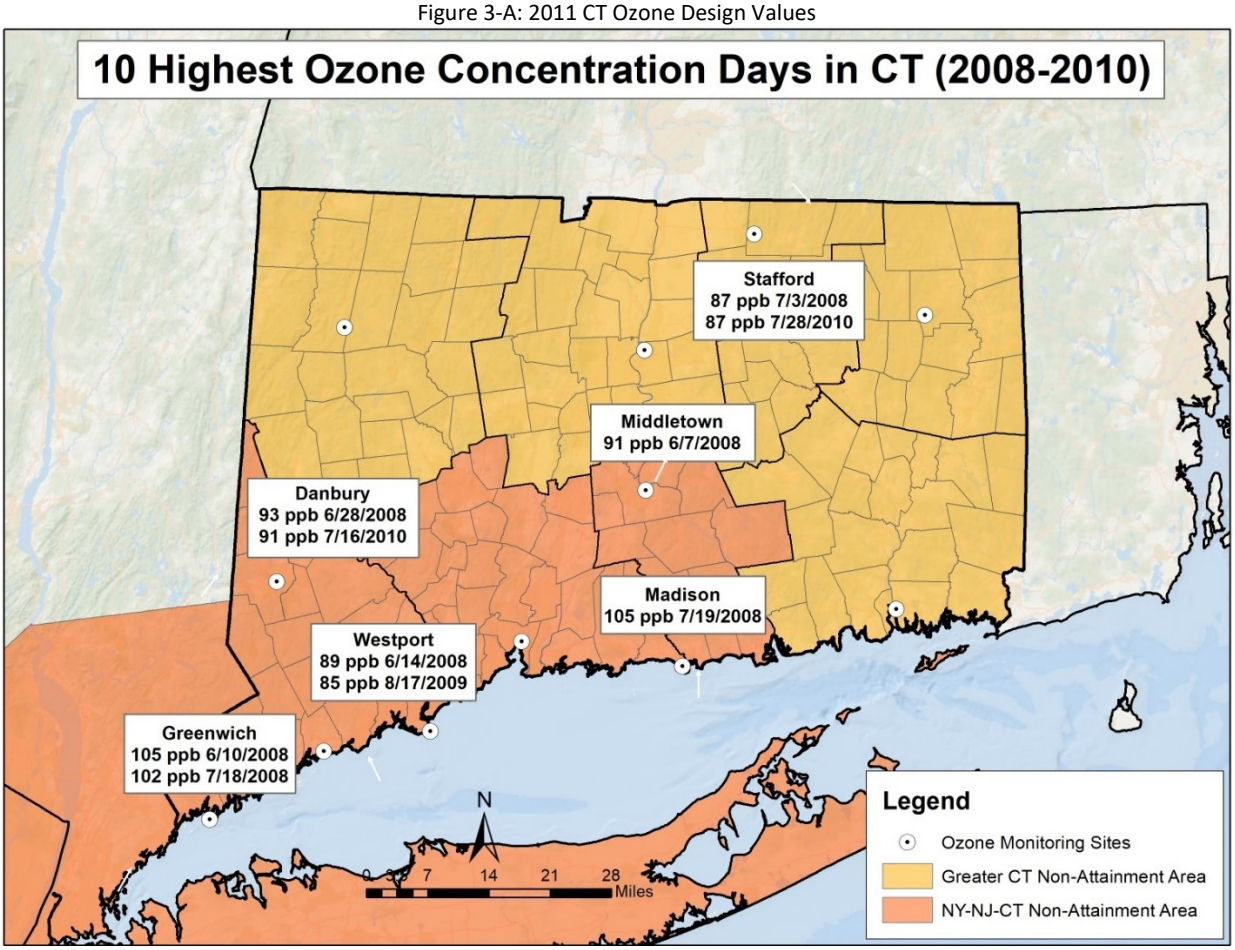
3.0.2.2 Annual Temperature Determination

MOVES meteorological inputs for the Mid-Atlantic Regional Air Management Association (MARAMA) annual modeling effort used the National Mobile Inventory Model (NMIM) National County Database (version NCD20090531) for 2007 analyses.[18] The temperature and humidity used as an input for this 2014 PEI are consistent with the 2007 NCD20090531 data. The annual MOVES input data for each county in Connecticut can be found in Table E-1 through Table E-8.

3.0.2.3 Ozone Summer Day Design Temperature

Temperature inputs for a typical high ozone day for Connecticut's non-attainment areas were calculated by first determining the ten highest 8-hr ozone concentrations that occurred in the entire state on unique days in the months of June through August during the three-year period (2008-2010) preceding the base year (2011). These values were obtained from the Connecticut Department of Energy and Environmental Protection Annual Summary Information for Ozone Website as shown in Figure 3-A below.

Figure 3-A: 2011 CT Ozone Design Values



[18] Yang, H. 2012. Development of MANE-VU Onroad Mobile Source Emissions for 2007 and 2020 using MOVES. Northeast States for Coordinated Air Use Management (NESCAUM). https://www.nescaum.org/documents/nescaum-2007-2020-moves-modeling-tsd-20120118.pdf.

For each of the ten highest ozone days in Figure 3-A, the maximum and minimum temperatures that occurred each day were obtained from the National Oceanic and Atmospheric Administration (NOAA) Local Climatological Data Publication Website for Bradley International Airport in Windsor Locks for the greater Hartford ozone non-attainment area and Igor I. Sikorsky Memorial Airport in Bridgeport for the Connecticut portion of the NY-NJ-CT ozone non-attainment area.

Table 3-5: High and Low Temperatures for the Ten Highest Ozone Concentration Days [19]

Date	Greater CT Bradley International Airport		CT Portion of NY-NJ-CT Igor I. Sikorsky Airport	
	Max. Temp. [°F]	Min. Temp. [°F]	Max. Temp. [°F]	Min. Temp. [°F]
June 7, 2008	93	60	86	61
June 10, 2008	98	69	96	70
June 14, 2008	88	58	84	65
June 28, 2008	90	65	86	67
July 3, 2008	90	63	87	67
July 18, 2008	93	65	92	72
July 19, 2008	94	67	92	77
August 17, 2009	94	69	91	73
July 16, 2010	93	70	87	73
July 28, 2010	90	62	87	69
Average	**92.3**	**65.8**	**89.8**	**69.4**

The calculated average maximum and minimum temperatures for each nonattainment area were input into EPA's Meteorological Data Converter MOBILE6 tool to produce a 24-hour temperature profile for a typical high ozone day in Connecticut for each non-attainment area.

Similarly, hour-by-hour humidity profiles were obtained from the NOAA Quality Controlled Local Climatological Data Website for the same locations and days listed in Table 3-5. An average humidity value was then calculated for each hour of the day, to produce a 24-hour humidity profile for a typical high ozone day in Connecticut for each non-attainment area. These profiles can be seen in Table 3-6 and Table 3-7 on the following page.

The ozone summer day temperature and humidity profiles are input into MOVES to obtain summer day emissions estimates for each Connecticut county.

The MOVES formatted input data for the summer day run are shown for the Connecticut portion of the NY-NJ-CT Ozone Non-Attainment area in Table E-9 and for the Greater Connecticut Ozone Non-Attainment area in Table E-10.

[19] These values were originally collected from the NOAA data on May 4, 2016 and may have been updated.

Table 3-6: Hour by Hour Humidity Values for Ten Highest Ozone Days at Bradley Airport[20]

Date	Relative Humidity [%] Value by Hour of Day																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
June 7, 2008	93	93	93	93	93	93	93	90	87	76	67	63	59	56	50	50	49	59	61	67	63	77	74	82
June 10, 2008	87	87	90	93	93	87	79	69	59	52	46	42	35	33	33	35	40	45	50	53	57	64	84	87
June 14, 2008	73	75	78	84	87	78	73	68	62	58	56	53	51	48	76	85	76	79	84	87	84	87	90	90
June 28, 2008	90	87	90	90	90	84	79	71	69	61	57	51	47	45	45	48	61	57	63	67	71	74	76	82
July 3, 2008	76	81	81	81	81	68	61	58	56	47	45	40	36	39	38	43	81	79	81	79	87	90	87	84
July 18, 2008	81	87	84	84	87	81	71	69	60	57	53	50	47	44	44	44	48	59	60	60	58	71	74	76
July 19, 2008	84	81	87	84	87	84	74	71	69	63	57	50	44	38	37	44	46	48	57	58	67	74	76	82
August 17, 2009	90	93	93	93	93	93	90	79	67	61	57	52	47	35	32	34	37	44	65	74	79	79	85	87
July 16, 2010	90	93	90	90	93	90	87	79	72	70	63	57	50	49	56	59	61	65	84	87	87	87	85	85
July 28, 2010	78	84	90	87	87	84	71	62	58	53	48	46	47	50	47	47	55	61	67	72	77	79	82	82
Average	**84**	**86**	**88**	**88**	**89**	**84**	**78**	**72**	**66**	**60**	**55**	**50**	**46**	**44**	**46**	**49**	**55**	**60**	**67**	**70**	**73**	**78**	**81**	**84**

Table 3-7: Hour by Hour Humidity Values for Ten Highest Ozone Days at Sikorsky Airport[16]

Date	Relative Humidity [%] Value by Hour of Day																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
June 7, 2008	84	87	87	90	90	93	93	81	81	76	69	64	60	58	63	71	59	65	67	69	69	71	71	71
June 10, 2008	76	76	79	81	81	79	69	67	59	57	50	44	35	45	42	44	48	48	51	62	62	74	71	79
June 14, 2008	76	81	78	81	81	78	78	71	64	58	60	53	53	62	65	69	69	62	67	84	84	87	87	82
June 28, 2008	81	81	84	84	87	87	84	76	71	67	60	53	55	63	67	65	60	62	67	71	76	76	82	87
July 3, 2008	71	71	68	73	76	71	66	64	62	58	52	49	43	46	46	49	53	52	58	64	64	66	74	74
July 18, 2008	79	79	76	82	79	76	71	69	67	62	58	53	55	47	44	44	44	61	63	70	72	74	79	79
July 19, 2008	79	79	79	79	85	79	74	69	69	65	57	50	52	44	47	54	59	59	67	74	79	79	82	82
August 17, 2009	85	85	90	90	90	90	87	82	77	79	72	63	59	52	52	45	55	65	67	74	77	77	85	85
July 16, 2010	87	90	87	90	90	90	87	85	77	77	67	70	72	70	70	68	67	70	77	82	79	79	79	85
July 28, 2010	79	76	79	76	76	71	69	67	60	58	55	55	57	55	63	65	69	72	74	79	82	82	85	85
Average	**80**	**81**	**81**	**83**	**84**	**81**	**78**	**73**	**69**	**66**	**60**	**55**	**54**	**54**	**56**	**57**	**58**	**62**	**66**	**73**	**74**	**77**	**80**	**81**

[20] These values were originally collected from the NOAA data on May 4, 2016 and may have been updated.

3.1 On-Road Mobile Sources

To estimate on-road emissions in 2014, CT DEEP ran MOVES2014b for all eight Connecticut counties in inventory-mode using established annual and summer day input data. Vehicles are classified in MOVES according to thirteen source types and five Highway Performance Monitoring System (HPMS) vehicle types, as shown in Table 3-8 below. Part 3.1.1 of this subsection provides an explanation and basis for the input parameters used in MOVES2014b for this inventory.

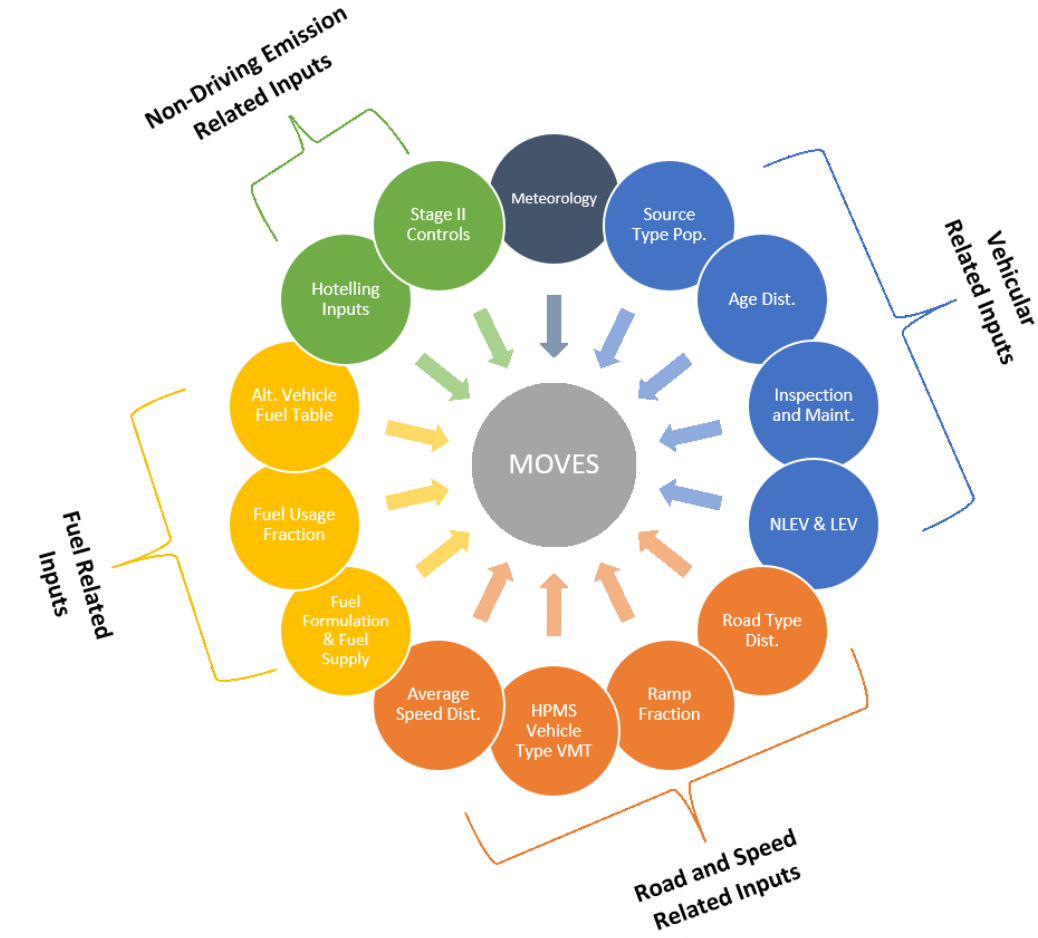
Table 3-8: Source Type and HPMS Vehicle Identification Numbers

Source Type ID	Source Type Description	HPMS Vehicle Type ID	HPMS Vehicle Type Description
11	Motorcycle	10	Motorcycles
21	Passenger Car	25	Light Duty Vehicles– Short and Long Wheelbase
31	Passenger Truck		
32	Light Commercial Truck		
41	Intercity Bus	40	Buses
42	Transit Bus		
43	School Bus		
51	Refuse Truck	50	Single Unit Trucks
52	Single Unit Short-haul Truck		
53	Single Unit Long-haul Truck		
54	Motor Home		
61	Combination Short-haul Truck	60	Combination
62	Combination Long-haul Truck		

3.1.1 MOVES On-Road Inputs

The following subparts provide details for on-road mobile source inputs used in MOVES2014b, as illustrated in Figure 3-B.

Figure 3-B: Visual of MOVES Inputs for On-Road Mobile Sources



These MOVES inputs can be roughly grouped by the following categories in general terms:

- **Vehicle**- This includes the age and type of vehicles, their compliance with Connecticut's inspection and maintenance program, and emissions standards
- **Road and Speed**- This includes the type of roads and ramps, the vehicle miles traveled (by road and vehicle type), and the average speed (by road and vehicle type)
- **Fuel**- This includes fuel properties, fuel use, and alternative fuel capabilities of vehicle fleets
- **Non-Driving Emissions**- This includes emissions from parked trucks and emissions from refueling
- **Meteorology**- This includes temperature and humidity. Note these inputs are discussed in Part 3.0.2.

These inputs are defined in greater detail in the following subparts below, along with details on data sources, steps used to develop locally specific inputs, and in what cases it was appropriate to accept the default MOVES inputs.

3.1.1.1 Source Type Population

The *Source Type Population* MOVES input is used to represent the vehicle fleet in an area by source type. This is important because start and resting evaporative emissions are dependent on the population of vehicles in an area, not the Vehicle Miles Traveled (VMT).

There are two methods to determine the population of on-road mobile sources: analyzing registration data and mathematically estimating based on the VMT.

The population counts for source types 21, 31, and 32 were taken from an analysis of 2014 Connecticut motor vehicle registration data conducted by the EPA for the 2014 NEI. CT DEEP estimated the 2014 population for the remaining ten source types by extrapolating from the 2011 Connecticut motor vehicle registration data. The 2011 data was used because 2011 was when the most recent CT DEEP decode effort of local motor vehicle registration data was conducted.

The VMT estimation method is used to further refine the estimated population counts for the remaining ten source types. This method is outlined in Section 4.3.1 of the MOVES Technical Guidance. The default VMT values for Connecticut are compared against the default 2014 vehicle population count in Connecticut. This provides a ratio of VMT to population of vehicles by source type. The local VMT values for each Connecticut county are then compared to this ratio to provide estimates for each source type in a county. If the VMT for a source type is lower in 2014 than in 2011, then the vehicle population count in 2014 is conservatively set to the population count in 2011. This is done to avoid having a population count decrease due to a decrease in VMT.

The estimated 2014 populations determined from 2011 registration data were used except in cases where the VMT estimation method yielded a greater population. This approach accounts for inaccuracies in the VMT estimation method arising from home-based lodging of interstate trucks, truck populations accumulating lower than expected VMT, etc.

Populations for 2014 were then calculated based on a ratio of Connecticut specific base and future year MOVES HPMS Vehicle Type VMT to obtain a growth factor for the HPMS Vehicle Type. Distributions of source types within an HPMS Vehicle Type were assumed to remain the same. If there was negative VMT growth between the 2011 and 2014 population, the vehicle population counts for 2014 were conservatively set to the 2011 population values instead of having population counts decrease due to VMT decreases.

Table E-11 summarizes the vehicle population inputs used for the MOVES runs.

3.1.1.2 Age Distribution of Vehicles by Type

The vehicle fleet is further defined by the age of vehicles. For each of the thirteen source types, vehicles are distributed into 31 age groups: one for each of the last thirty model years and a final group for all vehicles older than thirty years (model year of 1984 or earlier).

Local registration data collected on July 1, 2014 was analyzed by the EPA and CT DEEP to establish distributions for sources types 11, 21, 31, 32, and 43 in each county. The default age distributions in MOVES are used for the remaining source types (41, 42, 51, 52, 53, 54, 61, and 62) because the local registration data is either considered to be non-representative or is not readily available. Using MOVES defaults on source types 51 through 62 also maintains consistency with the typical inputs used by Connecticut for its transportation conformity analyses due to the uncertainty of heavy-duty source types in EPA national decode efforts.

The data was provided on a per county basis and the county level age was used with the county vehicle population counts to obtain a statewide age distribution input. Table E-12 summarizes the statewide age distribution input used for the MOVES runs.

3.1.1.3 Inspection and Maintenance Coverage

The *Inspection and Maintenance* (I/M) input reflects the characteristics and SIP requirements of Connecticut's I/M program. MOVES only calculates I/M program benefits for gasoline vehicles, so this subpart is limited to gasoline vehicles.

Connecticut's I/M program requires gasoline vehicles that have a gross vehicle weight rating (GVWR) of less than 10,000 pounds and are at least four years old (grace period) to receive an emissions test every two years. Vehicles that are greater than 25 years old (model year 1990) are exempt.

These exemptions are noted accordingly with appropriate I/M MOVES inputs. The I/M Coverage Table was adjusted to reflect the grace period exemption age plus one year to account for the misalignment between model and calendar years.

Connecticut's SIP sets a minimum I/M compliance rate of 96% and a maximum waiver rate of 1%. The compliance rate (CR) is defined as "the percentage of vehicles in the fleet covered by the I/M program that completes the I/M program and receive either a certificate of compliance or a waiver" and the waiver rate (WR) is defined as "the percentage of vehicles that fail an initial I/M test and do not pass a retest, but do receive a certificate of compliance."[21] For this inventory analysis, I/M compliance and waiver rates were set to the actual compliance and waiver rates observed in 2014: 99.6% and 0.2%, respectively.[22] These values were used along with the regulatory class coverage adjustments (RCCA), defined as the "percentages of VMT by the various regulatory weight classes within a source type", provided in Appendix A of the MOVES Technical Guidance to calculate a compliance factor (CF) for each I/M program type according to the following equation: [23]

$$CF = CR * (100 - WR) * RCCA * \left(\frac{1}{100} * \frac{1}{100}\right)$$

Equation II: Compliance Factor Equation [24]

Where:

- CF = the I/M program percentage of vehicles input into MOVES for each I/M program type according to the equation (Table 3-9 shows some calculated results)..
- CR = the percentage of vehicles in the fleet covered by the I/M program that completes the I/M program and receive either a certificate of compliance or a waiver.
- WR = the percentage of vehicles that fail an initial I/M test and do not pass a retest, but do receive a certificate of compliance
- RCCA = percentages of VMT by the various regulatory weight classes within a source type (Table 3-9 shows these values).

Note: the factional terms $\left(\frac{1}{100} * \frac{1}{100}\right)$ are applied to ensure dimential conistancy.

Connecticut's I/M program applies across the state so all counties use the same I/M coverage inputs.

[21] U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 54-55
[22] de la Torre Klausmeier Consulting. August 2018. Annual Evaluation of Connecticut's Inspection/Maintenance Program 2017 Final Report. Pgs 28-29. https://portal.ct.gov/-/media/DEEP/air/mobile/Emissions-Testing/biennialimreport20162017completepdf.pdf
[23] U.S. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*. Pg 69-70.
[24] Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*. Pg 54-55

For source types 21, 31, and 32, all vehicles model year 1996 and newer have a standardized computer system, so On-Board Diagnostic (OBD) testing (Test Standard IDs 51 & 43) is used to determine emissions.[25] These methods apply to all vehicles that weigh less than 10,000 pounds. Because all vehicles in these source types weigh less than 10,000 pounds, the RCCA is 100%, and therefore the compliance factor is 99.4%.

All model year 1995 and older vehicles of source type 21, 31, and 32 have different emissions test procedures based on the GVWR. Vehicles that weigh equal to or less than 8,500 pounds are tested by procedures ASM2525 (Test Standard ID 24) and the Gas Cap Pressure Leak Test (Test Standard ID 41). The RCCA for the Gas Cap Pressure Leak Test is 100% for all three source types, resulting in a compliance factor of 99.4%, but the RCCAs for ASM2525 is dependent on the source type. These values can be found in Appendix A of the MOVES Technical Guidance and are summarized with their corresponding compliance factors in Table 3-9 on the following page.

Table 3-9: Regulatory Class Coverage Adjustments and Compliance Factors for Model Year 1995 & Older Vehicles Tested via ASM2525

SourceTypeID	Source Type Name	RCCA[26]	CF
21	Passenger Car	100%	99.4%
31	Passenger Truck	98%	97.4%
32	Light Commercial Truck	92%	91.4%

Model year 1995 and older vehicles of source type 31 and 32 that have a GVWR between 8,501 and 10,000 pounds also receive the Pre-Condition Two-Speed Idle (PCTSI) Test (Test Standard ID 12) in addition to the previously stated tests. However, MOVES is only capable of having a single test standard assigned for a pollutant in a source type, so this part of the I/M program is not covered with the used inputs. It could be included if a separate MOVES run was conducted and by finding the difference of the values from the two runs. A second MOVES run was not performed because the emissions impact of this portion of the I/M program is seen to be minimal.

3.1.1.4 NLEV and LEV Databases

The National Low Emission Vehicle (NLEV) and California Low Emission Vehicle (LEV) standards were adopted by individual states to reduce the emissions from vehicles. These standards alter the default MOVES values for certain model years, so the EPA provides states with two databases to adjust the default values accordingly.

The NLEV Program was the result of an agreement between the EPA, states in the Ozone Transport Commission (OTC), and auto manufacturers to introduce new emission standards in those states beginning with the 1999 model year before implementing them in the rest of the country beginning with the 2001 model year. The default MOVES database does not include the effects of the early program before the national implementation. To account for this, the EPA provides the NLEV database to states in the OTC that simulates the effects of the program for model years 1999 and 2000. Because Connecticut adopted the NLEV program for the 1999 model year, this database was imported to adjust the default MOVES values to represent the effects of the NLEV standards.

For the states that have adopted the California LEV program regulations, the EPA provides the California LEV database. The effects of these LEV standards are not included in the default MOVES emissions database. Connecticut implemented the California LEV standards in 2008, so CT DEEP modified the California LEV database to reflect the 2008 implementation

[25] U.S. Environmental Protection Agency. 2001. *On-Board Diagnostic (OBD) Regulations and Requirements: Question and Answers*. https://nepis.epa.gov/Exe/ZyPDF.cgi/P100LW9G.PDF?Dockey=P100LW9G.PDF
[26] U.S. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*. Pg 69-70.

year in accordance with the EPA document *Instructions for Using LEV and NLEV Inputs for MOVES2014* to create a Connecticut specific input.[27]

3.1.1.5 Road Type Distribution

The *Road Type Distribution* input represents the percent of VMT on each of the five road types used in MOVES, detailed in Table 3-10. MOVES requires this distribution for each vehicle type.

Table 3-10: MOVES Road Types

ID	Name	Description
1	Off-Network	All locations where the predominant activity is vehicle starts, parking and idling
2	Rural Restricted	Rural highways that can only be accessed by an on-ramp
3	Rural Unrestricted Access	All other rural roads (arterials, connectors, and local streets)
4	Urban Restricted Access	Urban highways that can only be accessed by an on-ramp
5	Urban Unrestricted Access	All other urban roads (arterials, connectors, and local streets)

These inputs are created by utilizing a statewide EPA default VMT mix of VMT fraction by the MOBILE6.2 vehicle types and locally collected statewide HPMS vehicle mix containing the fraction of the CT DOT vehicle type counts on each roadway type by functional classification. CT DOT and CT DEEP created a VMT pre-processor, called the CT DOT PERson FORcasting Model (PERFORM), that would reconcile the two VMT mixes by properly mapping the sixteen MOBILE6.2 vehicle types to the thirteen MOVES source types. The resultant VMT mix of HPMS road type, detailed in Table 3-11, by MOVES vehicle type fraction is then input into EPA's MOVES VMT converter to calculate and format VMT by source type and road type for input into MOVES.

Table 3-11: HPMS Road Types

Rural Road ID	Urban Road ID	Road Description
11	23	Interstate
12	25	Other Freeways and Expressways
13	27	Other Principal Arterial
15	29	Minor Arterial
17	30	Major Collector
19	31	Minor Collector
21	33	Local

The following is a list of tables in Appendix E that provide context for the *Road Type Distribution* input. These tables also provide context for the *Ramp Fraction*, *HPMS Vehicle Type VMT*, and *Average Speed Distribution* inputs, which are discussed in the following subparts.

[27] U.S. Environmental Protection Agency. *Instructions for Using LEV and NLEV Inputs for MOVES2014.* https://nepis.epa.gov/Exe/ZyPDF.cgi/P100KUFA.PDF?Dockey=P100KUFA.PDF

Table E-13	HPMS RURAL TRAVEL ACTIVITY PERCENTAGES BY VEHICLE TYPE AND FUNCTIONAL SYSTEM CONNECTICUT-2010
Table E-14	HPMS URBAN TRAVEL ACTIVITY PERCENTAGES BY VEHICLE TYPE AND FUNCTIONAL SYSTEM CONNECTICUT-2010
Table E-15	MOVES Converter Input for 2014 Fraction of VMT on HPMS Road Type by MOBILE6.2 16 Vehicle Type
Table E-16	CT MOBILE6 Hour Input File
Table E-17	Average 2014 Daily HPMS VMT (miles per day) for the 14 2010+ FHWA HPMS Road Types
Table E-18	2014 HPMSBaseYearVMT Annual Vehicle Miles Traveled (VMT)
Table E-19	2014 Summer Weekday Vehicle Miles Traveled (VMT)

3.1.1.6 Ramp Fraction

Ramp Fraction indicates the percent of vehicle-hours traveled that occurs on ramps for rural restricted access roadways (Road Type ID = 2) and urban restricted access roadways (Road Type ID = 4).

These inputs are generated starting with PERFORM using forecasted VMT figures by roadway type. The county level expressway and ramp VMT are divided into urban and rural designations and input into a MOVES ramp fraction pre-processor along with average speeds for urban and rural expressways and ramps. CT DOT designed this pre-processor to calculate the percentage of urban and rural expressway Vehicle Hours of Travel that occur on ramps within each county.

3.1.1.7 HPMS Vehicle Type VMT

The *HPMS Vehicle Type VMT* (HPMSvType) input represents annual vehicle-miles of travel in each county in Connecticut for each of the five HPMS vehicle types. The annual input for each county input is developed from the VMT fractions for each month, day, and hour. These fractions are respectively defined by:

- the fraction of total annual VMT that occur in a given month;
- the fraction of total monthly VMT that occur on weekdays versus weekends;
- the fraction of total daily VMT that occur in a given hour.

County-level VMT totals by HPMS road type are calculated in the CT DOT PERFORM statewide travel demand model. These VMT totals are based on HPMS VMT factors that have been derived from HPMS VMT figures categorized by HPMS urban area road types. The VMT mix by HPMS road type and MOVES source type, outlined in the *Road Type Distribution* subpart above, County VMT by road type, and locally collected fraction of VMT by hour are input into the EPA MOVES VMT converter to calculate and format daily VMT figures. These daily VMT figures from PERFORM, which utilize calculated seasonal VMT factors and default weekend day adjustment factors, are then input into EPA's MOVES Annual Average Daily VMT converter to develop the annual *HPMS Vehicle Type VMT* input for each county.

3.1.1.8 Average Speed Distribution

The *Average Speed Distribution* input is the assignment of vehicle-hours traveled into sixteen unique speed bins in MOVES. PERFORM is used to develop these inputs, but because PERFORM was built using the data format of MOBILE6.2, an EPA convertor tool must be used to convert the PERFORM output data into a MOVES input.

Unlike MOVES, MOBILE6.2 uses only fourteen speed bins. As seen in Table 3-12, the first thirteen speed bins in each model are equivalent, whereas MOBILE6.2 speed bin 14 is split into MOVES speed bins 14, 15, and 16.

MOVES requires this information for every combination of vehicle source type, road type, and hour of the day. It is also separated by season to allow for summer, winter, and annual average adjustment factors.

Table 3-12: MOBILE6.2 and MOVES Speed Bins

Speed Bin Number		Speed [mph]		Abbr. Speed Bin Name
MOBILE6.2	MOVES	Min.	Max.	
1	1	0	2.5	2.5
2	2	2.5	7.5	5
3	3	7.5	12.5	10
4	4	12.5	17.5	15
5	5	17.5	22.5	20
6	6	22.5	27.5	25
7	7	27.5	32.5	30
8	8	32.5	37.5	35
9	9	37.5	42.5	40
10	10	42.5	47.5	45
11	11	47.5	52.5	50
12	12	52.5	57.5	55
13	13	57.5	62.5	60
14	14	62.5	67.5	65
	15	67.5	72.5	70
	16	≥72.5	-	75

3.1.1.9 Fuel Formulation and Fuel Supply

The *Fuel Formulation Table* defines properties, such as RVP, sulfur level, ethanol volume, etc., for each fuel. The *Fuel Supply Table* identifies the fuel formulations used in a region and the respective market share of each formulation.

The MOVES2014b default values are used to define both the fuel formulation and fuel supply values for the 2014 PEI analysis since a full local fuel property study for Connecticut was not available, as recommended in Section 4.9.1 of the MOVES Technical Guidance.[28]

3.1.1.10 Fuel Usage Fraction

The default fuel usage fractions within MOVES are used for all fuel types except E-85 fuel.

Section 4.9.2 of the MOVES Technical Guidance instructs the user to specify the fraction of E-85 used compared to conventional gasoline in E-85 capable vehicles, where a fraction of zero indicates that conventional gasoline is used 100% of the time.[29] According to the USDOE Alternative Fueling Station Locator, there were only two public E-85 stations located in Connecticut as of December 31, 2014: One in New London County and one in Fairfield County. Therefore, the use of E-85 fuel in E-85 capable vehicles in Connecticut is assumed to be negligible and the fuel usage fraction of E-85 is zero.

3.1.1.11 Alternative Vehicle Fuel Table

The *Alternative Vehicle Fuel Table* (AVFT) is used to define the vehicle fleet in terms of which fuels a vehicle type is capable of utilizing. Fractional values, totaling one, are specified for each vehicle type by model year. For example, if half of model

[28] U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 46.
[29] U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 49.

year 2014 transit buses are capable of using CNG and the other half are capable of using diesel, then the AVFT would list values of 0.5 under CNG and diesel for model year 2014 transit buses.

The purpose of the AVFT is only to define the vehicle fleet by capability, not by actual fuel usage; that is the purpose of the Fuel Usage Fraction Table. The values in the AVFT should only be modified from the default values if local data is available. Connecticut does not have local data for vehicle fleet capability, so the default data in MOVES2014b is used for each county.

3.1.1.12 Hotelling Inputs

The MOVES term, *hotelling*, refers to the number of parked hours that drivers of combination trucks take during their mandatory rest periods. Hotelling modes include extended idle, diesel auxiliary power unit use, battery power, and engine-off.[30] MOVES hotelling inputs are used to import total hotelling hours by hour of day, day type, month, and vehicle model year.

The MOVES hotelling hours input for the 2014 PEI was based on hotelling data developed by the EPA for the 2011 NEI, which is more representative of Connecticut than the default hotelling hours in MOVES2014b. The default hotelling data in MOVES2014b is calculated only for rural restricted roadways in each county, whereas both rural and urban roadways are accounted for in the 2011 NEI. For instance, hotelling is known to occur in Fairfield County; yet, MOVES2014b estimates there is no hotelling within Fairfield County because there are no rural restricted roads in the county. Therefore, the values from the 2011 NEI are preferred.

Although the EPA released new hotelling data for the 2014 NEI, the 2011 NEI data is still preferred because the 2014 NEI data was deemed to be overestimated by the Multi-Jurisdictional Organization (MJO) MOVES workgroup. However, the 2011 NEI data must be adjusted to account for the difference in VMT between 2011 and 2014. A ratio for each county was used to compare the VMTs for combination trucks (2011 NEI HPMSVtypeVMT for SourceTypeID=60 to 2014 local HPMSVtypeVMT). Additionally, the use of the 2011 NEI hotelling data for the 2014 PEI also maintains consistency with the inputs used by Connecticut to develop its SIP budgets.

The hotelling activity distribution input was not changed from the MOVES2014b default.

3.1.1.13 Stage II Controls

The refueling emissions information and adjustments made for Stage II refueling and controls in Connecticut are discussed in Part 4.2.4 of Section 4.

3.1.2 MOVES On-Road Data

Information regarding MOVES2014b run specifications, input databases, and output databases used to calculate 2014 on-road mobile source emission estimates are available upon request. This is a large download (150 MB), and the database files require the supporting MOVES database application (currently MariaDB, formerly MySQL). Send an email to DEEP.BAM.TS@ct.gov using a subject line of "MOVES 2014 ONROAD File Request". Copying Richard.Rodrigue@ct.gov and Steven.Potter@ct.gov may improve the response time for your request. Instructions for accessing the files via secure file transport website (https://sft.ct.gov/) will be provided after we put the files on the secure file transport website.

These databases and files provide additional details beyond that provided in this document.

[30] U.S. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*: Pg 59

3.1.3 On-Road Mobile Sources Emissions Results

The annual and summer day emission estimates for on-road mobile sources were previously summarized by county in Table 3-1 and Table 3-3, respectively. The estimates for the entire state are summarized by sector on the following pages in Table 3-13 and Table 3-14. These emissions estimates are comphrensively shown by county and fuel type in Appendix F.

Table F-1	Annual 2014 Onroad Emissions by SCC for Fairfield County (Excluding Refueling Emissions)
Table F-2	Annual 2014 Onroad Emissions by SCC for Hartford County (Excluding Refueling Emissions)
Table F-3	Annual 2014 Onroad Emissions by SCC for Litchfield County (Excluding Refueling Emissions)
Table F-4	Annual 2014 Onroad Emissions by SCC for Middlesex County (Excluding Refueling Emissions)
Table F-5	Annual 2014 Onroad Emissions by SCC for New Haven County (Excluding Refueling Emissions)
Table F-6	Annual 2014 Onroad Emissions by SCC for New London County (Excluding Refueling Emissions)
Table F-7	Annual 2014 Onroad Emissions by SCC for Tolland County (Excluding Refueling Emissions)
Table F-8	Annual 2014 Onroad Emissions by SCC for Windham County (Excluding Refueling Emissions)
Table F-9	Summer Weekday 2014 Onroad Emissions by SCC For Fairfield County (Excluding Refueling Emissions)
Table F-10	Summer Weekday 2014 Onroad Emissions by SCC For Hartford County (Excluding Refueling Emissions)
Table F-11	Summer Weekday 2014 Onroad Emissions by SCC For Litchfield County (Excluding Refueling Emissions)
Table F-12	Summer Weekday 2014 Onroad Emissions by SCC For Middlesex County (Excluding Refueling Emissions)
Table F-13	Summer Weekday 2014 Onroad Emissions by SCC For New Haven County (Excluding Refueling Emissions)
Table F-14	Summer Weekday 2014 Onroad Emissions by SCC For New London County (Excluding Refueling Emissions)
Table F-15	Summer Weekday 2014 Onroad Emissions by SCC For Tolland County (Excluding Refueling Emissions)
Table F-16	Summer Weekday 2014 Onroad Emissions by SCC For Windham County (Excluding Refueling Emissions)
Table F-17	Annual 2014 Onroad Emissions by Fuel Type (Excluding Refueling Emissions)
Table F-18	Summer Weekday 2014 Onroad Emissions by Fuel Type (Excluding Refueling Emissions)

Table 3-13: Annual Statewide 2014 Onroad Emissions (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	542.384	135.508	2,834.672	8.802	5.024	1.246	5.991
22-01-21-0080	Gas	Passenger Car	8,626.051	9,030.999	77,564.308	759.704	318.691	114.287	531.629
22-01-31-0080	Gas	Passenger Truck	7,389.773	11,883.802	92,320.067	649.058	261.266	126.909	422.388
22-01-32-0080	Gas	Light Commercial Truck	768.255	1,267.238	10,169.319	72.804	27.462	14.490	45.453
22-01-42-0080	Gas	Transit Bus	0.116	0.284	4.531	0.014	0.005	0.002	0.003
22-01-43-0080	Gas	School Bus	0.411	0.584	21.626	0.022	0.009	0.004	0.005
22-01-51-0080	Gas	Refuse Truck	0.526	1.522	14.741	0.062	0.046	0.007	0.009
22-01-52-0080	Gas	Single Unit Short-Haul Truck	82.759	194.031	1,897.307	7.195	3.495	1.116	2.197
22-01-53-0080	Gas	Single Unit Long-Haul Truck	4.960	10.343	91.265	0.389	0.249	0.035	0.072
22-01-54-0080	Gas	Motor Home	9.280	17.053	189.063	0.631	0.373	0.071	0.132
22-01-61-0080	Gas	Combination Short-Haul Truck	0.216	0.431	5.607	0.019	0.015	0.001	0.001
22-02-21-0080	Diesel	Passenger Car	48.885	60.751	634.434	4.225	1.649	0.301	0.694
22-02-31-0080	Diesel	Passenger Truck	130.400	488.630	1,037.544	30.044	21.248	1.408	5.069
22-02-32-0080	Diesel	Light Commercial Truck	45.040	168.128	324.198	11.368	8.135	0.490	1.740
22-02-41-0080	Diesel	Intercity Bus	8.613	159.703	44.232	8.935	6.856	0.234	0.381
22-02-42-0080	Diesel	Transit Bus	2.851	37.420	19.714	1.430	0.984	0.059	0.100
22-02-43-0080	Diesel	School Bus	9.245	44.842	102.885	3.563	2.243	0.139	0.316
22-02-51-0080	Diesel	Refuse Truck	3.259	65.949	18.479	3.756	2.753	0.112	0.190
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	72.258	544.457	271.285	43.851	31.602	1.057	2.952
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	7.553	54.499	26.929	4.815	3.325	0.115	0.348
22-02-54-0080	Diesel	Motor Home	1.494	11.423	5.052	0.837	0.652	0.019	0.048
22-02-61-0080	Diesel	Combination Short-Haul Truck	77.366	1,610.622	424.905	86.643	64.229	2.647	4.391
22-02-62-0080	Diesel	Combination Long-Haul Truck	539.288	5,895.240	1,748.406	252.435	190.335	7.679	16.521
22-03-42-0080	CNG	Transit Bus	0.337	3.300	5.626	0.095	0.033	0.005	0.027
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Statewide Total for On-Road Mobile Sources			**18,371.320**	**31,686.759**	**189,776.195**	**1,950.697**	**950.679**	**272.433**	**1,040.657**

Table 3-14: Summer Day Statewide 2014 Onroad Emissions

SCC	Fuel Type	Source Type	Summer Weekday Emissions [lb/day]		
			VOC	NO_x	CO
22-01-11-0080	Gas	Motorcycle	3,800.867	645.499	15,339.027
22-01-21-0080	Gas	Passenger Car	46,805.043	48,984.023	449,954.281
22-01-31-0080	Gas	Passenger Truck	41,700.179	65,792.452	600,275.425
22-01-32-0080	Gas	Light Commercial Truck	4,284.002	7,027.936	65,506.959
22-01-42-0080	Gas	Transit Bus	0.709	1.425	24.254
22-01-43-0080	Gas	School Bus	2.778	3.294	140.193
22-01-51-0080	Gas	Refuse Truck	3.424	7.680	88.398
22-01-52-0080	Gas	Single Unit Short-Haul Truck	594.141	1,029.942	11,881.720
22-01-53-0080	Gas	Single Unit Long-Haul Truck	32.896	53.216	546.545
22-01-54-0080	Gas	Motor Home	67.086	85.110	1,060.831
22-01-61-0080	Gas	Combination Short-Haul Truck	1.470	2.180	33.524
22-02-21-0080	Diesel	Passenger Car	257.364	366.116	4,893.781
22-02-31-0080	Diesel	Passenger Truck	754.008	3,157.344	8,222.700
22-02-32-0080	Diesel	Light Commercial Truck	257.336	1,098.026	2,608.785
22-02-41-0080	Diesel	Intercity Bus	51.912	867.640	284.186
22-02-42-0080	Diesel	Transit Bus	14.870	203.452	117.420
22-02-43-0080	Diesel	School Bus	31.282	244.581	704.055
22-02-51-0080	Diesel	Refuse Truck	19.580	358.139	117.750
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	406.994	3,006.614	1,773.438
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	45.158	300.269	173.001
22-02-54-0080	Diesel	Motor Home	8.842	62.466	31.466
22-02-61-0080	Diesel	Combination Short-Haul Truck	463.841	8,736.687	2,718.276
22-02-62-0080	Diesel	Combination Long-Haul Truck	3,602.234	32,937.193	11,541.778
22-03-42-0080	CNG	Transit Bus	2.127	20.775	34.272
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
Statewide Total for On-Road Mobile Sources			**103,208**	**174,992**	**1,178,072**

3.2 Non-Road Mobile Sources

The following MOVES default inputs have since been refined by the EPA in 2018 to include significant improvements to non-road inventory estimations and have been included in this updated 2014 PEI:

- Non-road growth indices
  - This decreases non-road equipment populations (and thus emissions), but results vary depending on the economic sector and the base year population of Connecticut and its counties.
- Tier 4 non-road diesel engine classifications, population splits, speciation, and emission rates
  - These changes better account for emissions from large diesel engines with advanced after-treatment. The changes generally decrease future year emissions.
- Non-road diesel fuel sulfur levels
  - This will affect non-road emissions for sulfate and particulate matter.

To estimate non-road emissions in 2014, CT DEEP ran MOVES2014b for all eight Connecticut counties in inventory-mode using established annual and summer day input data. Part 3.2.1 of this subsection provides an explanation and basis for the input parameters used in MOVES2014b for this inventory.

3.2.1 MOVES Non-Road Inputs

The following subparts document the sources of information used to develop locally specific inputs for the MOVES2014b non-road runs.

3.2.1.1 Fuel Formulation and Fuel Supply

As directed by the *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations,* fuel data, including fuel formulation and fuel supply, uses MOVES2014b defaults as is similarly done with the on-road runs to ensure the validity of the results.[31] Further detail can be found in subpart 3.1.1.9.

3.2.1.2 Population Adjustment for Recreational Marine Sources

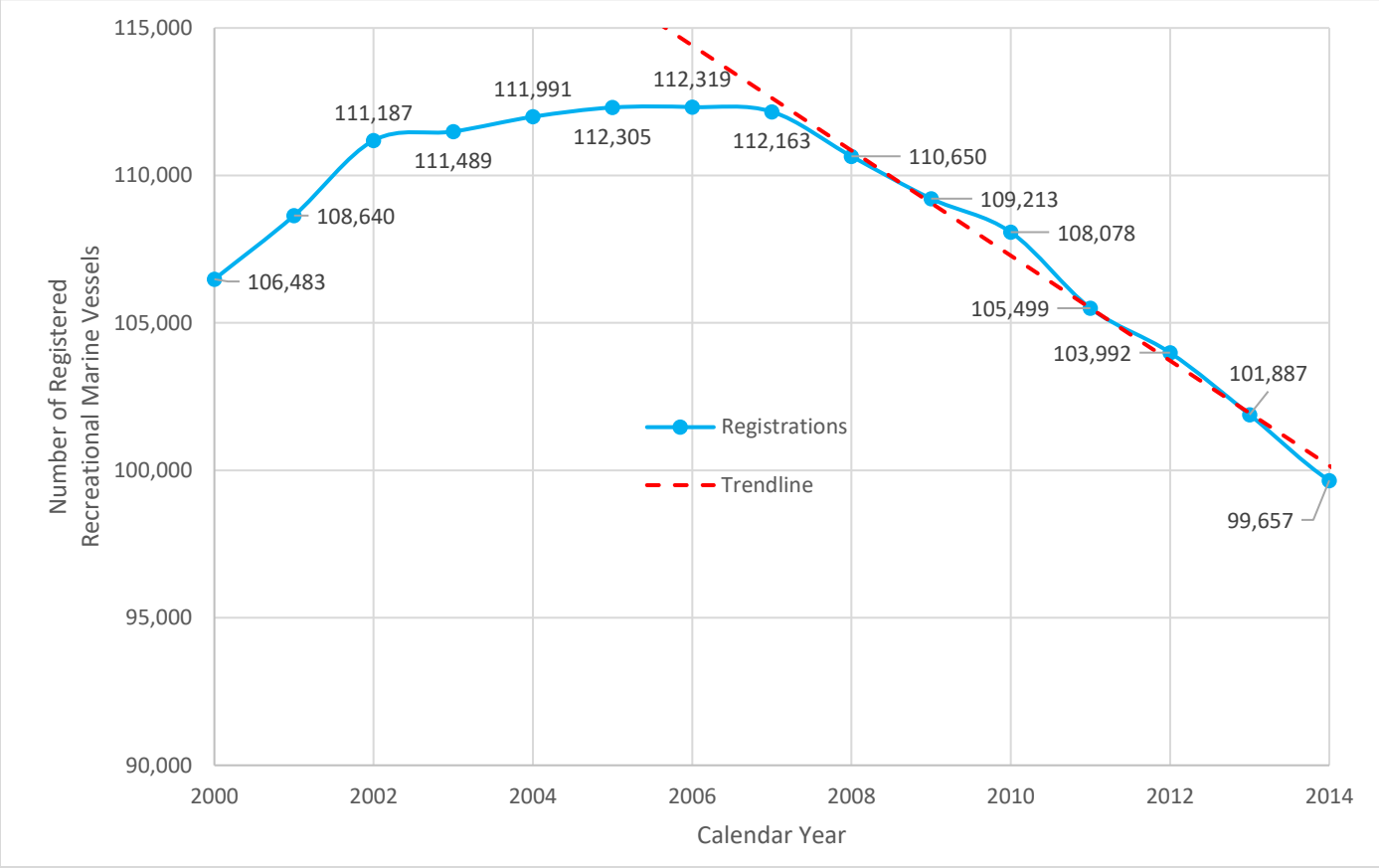
The default MOVES2014b values for the *nrbaseyearequippopulation* input are used for all non-road sources except recreational marine sources (sourcetypesIDs 2113 through 2159). This is because the default population growth among these source types is not reflective of boating population in Connecticut. Recreational marine estimates for 2014 are obtained from CT DMV boating registration data.

As seen in Figure 3- on the next page, since reaching a peak of more than 112,000 boating registrations between 2005 and 2007, boating registration numbers in Connecticut have steadily declined by about 1,800 registrations each year to a total of 99,658 boating registrations in 2014, a decline of approximately 11% from the peak. The default MOVES2014b values increase the boating population in Connecticut, which is not representative of the local boating population, so the boating registration data is used. An analysis of the 2018 registration data was used to create an equipment population and distribution for each recreational marine source type and was scaled to the total boating population in 2014.

The population values of recreational marine sources used in MOVES are shown in Table G-17.

[31] U.S. Environmental Protection Agency. *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter* 2017

Figure 3-C: Population of Registered Recreational Marine Vessels in Connecticut



3.2.2 MOVES Non-Road Data

Information regarding MOVES2014b run specifications, input databases, and output databases used to calculate 2014 non-road mobile source emission estimates are available upon request. This is a large download (1 GB), and the database files require the supporting MOVES database application (currently MariaDB, formerly MySQL). Send an email to DEEP.BAM.TS@ct.gov using a subject line of "MOVES 2014 NONROAD File Request". Copying Richard.Rodrigue@ct.gov and Steven.Potter@ct.gov may improve the response time for your request. Instructions for accessing the files via secure file transport website (https://sft.ct.gov/) will be provided after we put the files on the secure file transport website.

These databases and files provide additional details beyond that provided in this document.

3.2.3 Non-Road Mobile Sources Emissions Results

The annual and summer day emission estimates for non-road mobile sources were previously summarized by county in Table 3-2 and Table 3-4, respectively. The estimates for the entire state are summarized by sector on the following page in Table 3-15 and Table 3-16. These emissions estimates are comphrensively shown by county and sector in Appendix G. While aircraft, commercial marine vessels, and locomotives are discussed in the following subsections, the emissions from these sectors are included in the summary tables.

Table 3-15: 2014 Annual Non-Road Sector Emissions in Connecticut

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	17	169	141	13	12	0.18	0.17	-
Aircraft Exhaust	157	466	1,924	45	38	58	0	2.5778
Airport Equipment	6.7	21	200	0.77	0.73	0.65	0	0
Commercial Equipment	767	966	18,871	82	78	2.1	1.6	-
Commercial Marine Vessels (CMV)	38	1,695	266	46	44	153	0.62	0.0044
Construction and Mining Equipment	606	3,911	5,141	341	329	4.8	4.4	-
Industrial Equipment	336	1,773	8,247	89	87	2.8	1.7	-
Lawn and Garden Equipment (Com)	3,203	882	48,825	270	250	4.2	3.2	0
Lawn and Garden Equipment (Res)	1,371	249	20,688	51	47	1.5	1.1	-
Locomotives	54	1,254	141	34	32	0.5	0.44	0.0014
Logging Equipment	2.6	11	25	1	0.98	0.02	0.02	0
Pleasure Craft	2,950	1,272	11,653	57	53	2.3	1.8	0
Railroad Equipment	6	28	63	3.3	3.2	0.03	0.03	-
Recreational Equipment	1,010	93	6,846	32	30	0.62	0.48	-
Statewide Total	**10,523**	**12,792**	**123,030**	**1,064**	**1,005**	**230**	**16**	**2.5837**

The above statewide lead (Pb) emissions include 1.2889 TPY of inflight lead emissions.

Table 3-16: 2014 Summer Weekday Non-Road Sector Emissions in Connecticut

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	341	3,397	2,905
Aircraft Exhaust	974	2,676	13,872
Airport Equipment	38	118	1,132
Commercial Equipment	9,180	11,395	249,614
Commercial Marine Vessels (CMV)	207	9,314	1,462
Construction and Mining Equipment	8,879	57,417	77,657
Industrial Equipment	4,013	21,342	104,884
Lawn and Garden Equipment (Com)	37,599	14,852	888,132
Lawn and Garden Equipment (Res)	15,893	2,643	271,433
Locomotives	416	9,650	1,083
Logging Equipment	30	141	319
Pleasure Craft	38,149	12,621	122,693
Railroad Equipment	79	382	882
Recreational Equipment	12,495	1,046	94,410
Statewide Total	**128,293**	**146,995**	**1,830,478**

3.3 Aircraft

The aircraft sector is comprised of aircraft used for public, private, and military purposes, as well as aircraft auxiliary power units (APU) and ground support equipment (GSE), such as refueling and baggage handling vehicles. Aircraft are split into four categories: military, commercial, general aviation, and air taxis. All vehicles used for military aircraft operations are encompassed under military aircraft; commercial aircraft and air taxis are both used to transport passengers and freight; and general aviation aircraft include vehicles used for personal transportation and recreation. All aircraft and support equipment are generally defined under the following SCCs:

Table 3-17: SCCs to Define Aircraft and Support Equipment

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-75-00-1000	Mobile Sources	Aircraft	Military Aircraft	Total
22-75-02-0000	Mobile Sources	Aircraft	Commercial	Total
22-75-05-0011	Mobile Sources	Aircraft	General Aviation	Piston
22-75-05-0012	Mobile Sources	Aircraft	General Aviation	Turbine
22-75-06-0011	Mobile Sources	Aircraft	Air Taxi	Piston
22-75-06-0012	Mobile Sources	Aircraft	Air Taxi	Turbine
22-75-07-0000	Mobile Sources	Aircraft	Aircraft APU	Total
22-60-00-8005	Mobile Sources	Off-Highway Vehicle Gasoline	Airport GSE	Two-Stroke
22-65-00-8005	Mobile Sources	Off-Highway Vehicle Gasoline	Airport GSE	Four-Stroke
22-67-00-8005	Mobile Sources	Off-Highway Vehicle LPG	Airport GSE	Airport GSE
22-68-00-8005	Mobiles Sources	Off-Highway Vehicle CNG	Airport GSE	Airport GSE
22-70-00-8005	Mobile Sources	Off-Highway Vehicle Diesel	Airport GSE	Airport GSE

While aircraft are modeled using MOVES, the associated emissions are classified in the NEI as a point source centered at an airport instead of as a non-road mobile source. In this PEI, however, aircraft emissions have been included as a component of the non-road sector. The emissions produced from aircraft exhaust, APUs, and GSE are considered to be part of an aircraft's Landing & Take-Off (LTO) cycle. The EPA provided draft estimates of the aircraft activity data for the 2014 NEI and allowed states to comment before the calculation of emissions. The EPA expressed interest in separating emissions from piston-engine and turbine-engine powered aircraft to obtain a more accurate estimate for lead. Thus, Connecticut submitted comments to identify the airports and heliports that exclusively use turbine-engine powered aircraft and to provide other updates to the activity data.

The finalized EPA estimates used in the 2014 NEI for aircraft can be found in the **2014EPA_Airports** dataset available through the EIS Gateway. Connecticut accepts these annual emissions estimates for each facility without adjustment. Connecticut does consider the estimates for small airports and heliports to be high, but these small airports and heliports do not significantly impact emissions estimates, as is evidenced by airport shutdowns and previous airport survey data. For more information on how the EPA determined these estimates, please refer to Section 3.2 of the 2014 NEI v2 TSD.[32]

Summer ozone emissions are calculated from the annual emissions using allocation factors. These allocation factors can be determined using airport operation records in the Federal Aviation Administration (FAA) Air Traffic Activity Data System

[32] U.S. Environmental Protection Agency. *Airports*. 2014 National Emissions Inventory, Version 2: Technical Support Document. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=75. Pgs 3-14 to 3-16

(ATADS) and survey data.

The FAA ATADS contains operations data for airports with FAA control towers. The following airports in Connecticut have FAA control towers:

- Bradley International Airport (BDL) – Windsor Locks, CT
- Danbury Municipal Airport (DXR) – Danbury, CT
- Groton-New London Airport (GON) – Groton, CT
- Hartford-Brainard Airport (HFD) – Hartford, CT
- Igor I. Sikorsky Memorial Airport (BDR) -Stratford, CT
- Tweed-New Haven Airport (HVN) – New Haven, CT
- Waterbury-Oxford Airport (OXC) – Oxford, CT

The FAA also estimates the annual operations for thirteen Connecticut airports in their Traffic Area Forecast (TAF), which includes the seven aforementioned airports in the ATADS and the following six airports:

- Chester Airport (SNC) – Chester, CT
- Danielson Airport (LZD) – Killingly, CT
- Meriden-Markham Municipal Airport (MMK) -Meriden, CT
- Robertson Field (4B8) – Plainville, CT
- Simsbury Airport (4B9) – Simsbury, CT
- Windham Airport (IJD) – North Windham, CT

Because the TAF is only an estimate of annual operations and are not specified by month, the allocation factors for these six airports, and all remaining airports and heliports in Connecticut, are determined from survey data collected from the facilities for the 2005 PEI. This makes the allocation factors used in this PEI consistent with previous PEIs. For a sample calculation of how summertime emissions are calculated in the aircraft sector, please refer to Example 6 in Appendix B.

The airport operations provided by survey responses are refined as necessary to ensure there is an allocation factor for each SCC in Table 3-17. This includes augmentations like separating the general aviation operations into piston-driven and turbine-driven aircraft. Military LTO estimates are not available for MMK and LZD, so a factor of 0.25 is used for MMK and a factor of 0.7 is used for LZD; these factors are consistent with the allocation factors for all other aircraft SCCs at these airports.

Aircrafts APUs and GSE are assumed in the **2014EPA_Airports** dataset to only exist at the thirteen airports included in the FAA TAF, but the ATADS records and survey responses do not explicitly identify APUs or GSE operations. To resolve this, the allocation factors for these SCCs at a particular airport are set to be equal to the allocation factor of the most representative type of aircraft in operation at that airport. This is because APUs and GSE are defined as components of the LTO cycle of an aircraft. For example, the most commonly used type of aircraft at BDL is commercial aircraft, so the allocation factor of 0.259 for SCC 22-75-02-0000, calculated from ATADS data, is also applied to the APU and GSE SCCs (22-75-07-0000, 22-65-008-005, 22-67-008-005, 22-68-008-005, and 22-70-008-005) at BDL. Appendix G only shows non-zero emissions. Two stroke gasoline airport ground support equipment (SCC 22-60-008-005) do not appear in Appendix G, because the SCC had no emissions In Connecticut for 2014.

The emissions resulting from aircraft in Connecticut can be found in Appendix G:

Table G-18	Annual Lead Emissions from Piston-Driven Aircraft
Table G-19	Annual Emissions of Aircraft
Table G-20	Aircraft Summer Day Allocation Factors
Table G-21	Summer Day Emissions of Aircraft

3.4 Commercial Marine Vessels (CMV)

Marine vessels that are used to conduct commerce or for use by the Coast Guard are classified as commercial marine vessels (CMVs) and are reported under the following SCCs:

Table 3-18: SCCs to Define Commercial Marine Vessels

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-80-002-100	Mobile Sources	Marine Vessels, Commercial	Diesel	Port
22-80-002-200	Mobile Sources	Marine Vessels, Commercial	Diesel	Underway
22-80-003-100	Mobile Sources	Marine Vessels, Commercial	Residual	Port
22-80-003-200	Mobile Sources	Marine Vessels, Commercial	Residual	Underway

The emissions estimates for CMVs in Connecticut presented by the EPA in the 2014 NEI are accepted without modification. For more information on how the EPA determined these estimates, please refer to Section 4.19 of the 2014 NEI v2 TSD.[33]

The annual estimates for 2014 are presented in Table G-22 and the estimates for a typical summer day are presented in Table G-23. The summer day emissions for CMVs are calculated using a factor based on continuous activity, which corresponds to the summer day apportionment factor of 5.495 lb/day to TPY listed in Table D-2. For a sample calculation of how summer day emissions are calculated in the CMV sector, please refer to Example 4 in Appendix B.

[33] U.S. Environmental Protection. *Commercial Marine Vessels* Agency. 2014 National Emissions Inventory, Version 2: Technical Support Document. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=258. Pgs.4-175 to 4-207

3.5 Locomotives

CT DOT has ownership of roughly 1,000 miles of track. Table 3-19 below shows the fourteen companies that operated locomotives in the State of Connecticut in 2014 by SCC:

Table 3-19: Locomotive Operations in Connecticut

SCC	Locomotive Class	Company
22-85-002-006	Class I Freight†	CSX Transportation (CSXT)
22-85-002-007	Class II/III Freight	Branford Steam Railroad (BRFD)
		Central New England Railroad (CNZR)
		Connecticut Southern Railroad (CSO)
		Housatonic Railroad (HRRC)
		Naugatuck Railroad (NAUG)‡
		New England Central Railroad (NECR)
		Pan Am Railways (PAR)
		Pan Am Southern Railroad (PAS)
		Providence and Worcester Railroad (PW)
		Valley Railroad (VALE)‡
22-85-002-008	Passenger	Amtrak (AMTK)
22-85-002-009	Commuter	Shore Line East (SLE)
		Metro-North Railroad (MNCW)
22-85-002-010	Yard Locomotives	(All have Yard activity)

† Railroad classes are determined by gross revenue, of which, the Class I designation has the largest revenue criteria, followed by Class II and then Class III.
‡ Denotes tourist attraction (passenger) operations, classified by the EPA as Class II/III.

The 2014 NEI estimates assign zero emissions to Class I Operations (22-85-002-006) in Connecticut due to the small scale of these operations relative to national Class I values. CT DEEP provides its own estimates for Class I Operations formulated from a base year of 2005 and EPA 2014 Class II/III freight emission estimates. 2005 data was used because a comprehensive survey was conducted that year with fuel use and track rights data collected from all rail lines in the State of Connecticut. The survey results were analyzed to apportion fuel usage to track mileage for each county, as shown in Table G-26.[34] The Class I values pertain only to CSXT, where Fairfield (146,415 gallons), and New Haven (111,555 gallons), respectively represent represent 3.2% and 2.4% of total statewide locomotive fuel use in 2005 (4,545,060 gallons) and 10.5% and 8.0% of total statewide freight locomotive fuel use in 2005 (1,398,920 gallons). The ratio of emissions associated with the 2005 total freight fuel use were used against EPA's 2014 Class II and III rail emission estimates to obtain proportional values the 2014 Class I emissions estimates. The results of this estimate are presented in the Table G-24 2014 annual estimates for Class I Operations (SCC 22-85-002-006).

Connecticut accepts the 2014 NEI EPA estimates for Class II/III Operations (22-85-002-007). Section 4.20 of the 2014 NEI TSD describes these emission estimates.

CT DEEP has adopted the 2017 NEI emissions for passenger and commuter SCCs for 2014 passenger and commuter rail emission estimates. Connecticut participated in rail emission estimates for the EPA's 2016 modeling platform and adopts the 2017 NEI EPA estimates for passenger trains (SCC 22-85-002-008) and commuter rail (SCC 22-85-002-009) for 2014.

[34] State of Connecticut, Department of Energy and Environmental Protection, Bureau of Air Management. 2009. *2005 Periodic Ozone and Carbon Monoxide Emissions Inventory*. https://portal.ct.gov/DEEP/Air/Emissions-Inventory/Emissions-Inventory

The 2014 NEI locomotive emissions estimates do not include estimates for passenger trains (22-85-002-008) or commuter lines (22-85-002-009). However, the EPA has included these values in the 2017 NEI. The U.S. Energy Information Administration (EIA) reported locomotive Fuel Oil and Kerosene Sales in 2014 and 2017 at 4,927,000 gallons and 4,926,000 gallons, respectively.[35] The ratio of these two values is approximately one suggesting that rail activity values would not need to be adjusted. The 2014 SO_2 emission factor is based on the nationwide adoption of 15 ppm ultra-low sulfur diesel (ULSD) fuel by the rail industry, so no sulfur specific adjustments are needed. [36]For more information on how the EPA determined the estimates for passenger trains and commuter lines, please refer to Section 4.22 of the 2017 NEI TSD.[37]

Yard locomotives (22-85-002-010) emissions were zero due to the small scale of these operations. EPA 2017 emissions estimates associated with rail yard locomotives were estimated as point source emissions (point SCC 2-85-002-01) in the 2017 NEI, and even Connecticut's largest switchyard was considered too small and were estimated as zero.

The annual estimates for 2014 are presented in Table G-24 and the estimates for a typical summer day are presented in Table G-25. The summer day emissions for locomotives are calculated using a factor based on uniform activity of 24 hours a day, five days a week, which corresponds to the7.692 lb/day to TPY summer day apportionment factor listed in Table D-2. For a sample calculation of how summertime emissions are calculated in the locomotive sector, please refer to Example 5 in Appendix B.

[35] U.S. Energy Information Administration. Connecticut Total Distillate Sales/Deliveries to Railroad Consumers. https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=KD0VRRSCT1&f=A

[36] Eastern Regional Technical Advisory Committee. *2014 ERTAC Rail Locomotive Emission*. https://gaftp.epa.gov/air/nei/2014/doc/2014v2_supportingdata/point/Railv2_3ERTAC_Rail_2014_Inventory_Documentation_20170220.pdf

[37] U.S. Environmental Protection Agency.*Locomotives.* 2017 National Emissions Inventory: January 2021 Updated Release, Technical Support, https://www.epa.gov/sites/default/files/2020-04/documents/nei2017_tsd_full_30apr2020.pdf#page=326. Pgs 4-256 to 4-258

Section 3 References

12. 40 CFR § 51.50. 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.50

13. 40 CFR § 51.50.

14. On-road refueling emissions are included in the Area Sources summary and are therefore excluded from on-road emissions.

15. U.S. Environmental Protection Agency. 2017. "Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations". Pg 27.

16. U.S. Environmental Protection Agency. 2018. "MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity". https://nepis.epa.gov/Exe/ZyPDF.cgi/P100V7EY.PDF?Dockey=P100V7EY.PDF

17. National Weather Service. Clearing the Air on Weather and Air Quality. https://www.weather.gov/wrn/summer-article-clearing-the-air.

18. Yang, H. 2012. Development of MANE-VU Onroad Mobile Source Emissions for 2007 and 2020 using MOVES. Northeast States for Coordinated Air Use Management (NESCAUM). https://www.nescaum.org/documents/nescaum-2007-2020-moves-modeling-tsd-20120118.pdf.

19. These values were originally collected from the NOAA data on May 4, 2016 and may have been updated.

20. These values were originally collected from the NOAA data on May 4, 2016 and may have been updated.

21. U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 54-55

22. de la Torre Klausmeier Consulting. August 2018. Annual Evaluation of Connecticut's Inspection/Maintenance Program 2017 Final Report. Pgs 28-29. https://portal.ct.gov/-/media/DEEP/air/mobile/Emissions-Testing/biennialimreport20162017completepdf.pdf

23. U.S. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*. Pg 69-70.

24. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*. Pg 54-55

25. U.S. Environmental Protection Agency. 2001. *On-Board Diagnostic (OBD) Regulations and Requirements: Question and Answers*. https://nepis.epa.gov/Exe/ZyPDF.cgi/ P100LW9G.PDF?Dockey=P100LW9G.PDF

26. U.S. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*. Pg 69-70.

27. U.S. Environmental Protection Agency. *Instructions for Using LEV and NLEV Inputs for MOVES2014.* https://nepis.epa.gov/Exe/ZyPDF.cgi/P100KUFA.PDF?Dockey=P100KUFA.PDF

28. U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 46.

29. U.S. Environmental Protection Agency. MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity. Pg 49.

30. U.S. Environmental Protection Agency. *MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance*: Pg 59

31. U.S. Environmental Protection Agency. *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter* 2017.

32. U.S. Environmental Protection Agency. *Airports*. 2014 National Emissions Inventory, Version 2: Technical Support Document. Pgs 3-14 to 3-16. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=75.

33. U.S. Environmental Protection. *Commercial Marine Vessels* Agency. 2014 National Emissions Inventory, Version 2: Technical Support Document. Pgs.4-175 to 4-207. https://www.epa.gov/sites/default/ files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=258.

34. State of Connecticut, Department of Energy and Environmental Protection, Bureau of Air Management. 2009. *2005 Periodic Ozone and Carbon Monoxide Emissions Inventory*. https://portal.ct.gov/DEEP/Air/Emissions-Inventory/Emissions-Inventory

35. U.S. Energy Information Administration. Connecticut Total Distillate Sales/Deliveries to Railroad Consumers. https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=KD0VRRSCT1&f=A

36. Eastern Regional Technical Advisory Committee. *2014 ERTAC Rail Locomotive Emission*. https://gaftp.epa.gov/air/nei/2014/doc/2014v2_supportingdata/point/Railv2_3ERTAC_Rail_2014_Inventory_Documentation_20170220.pdf

37. U.S. Environmental Protection Agency. *Locomotives.* 2017 National Emissions Inventory: January 2021 Updated Release, Technical Support. Pgs 4-256 to 4-258https://www.epa.gov/sites/default/files/2020-04/documents/nei2017_tsd_full_30apr2020.pdf#page=326.

Section 4 Area Sources

4.0 Introduction

The Area Source Inventory estimates the emissions for those source categories that are too small and/or too numerous to be handled individually in the point source inventory (e.g., residential heating units). Table 4-1 and Table 4-2 present the total of all area source emissions for annual and typical high ozone summer day by county. Table 4-3 and Table 4-4 present the annual and summer day contributions from each area source sector by county.Appendix I Table I-1 presents annual emissions (TPY) by section number within Section 4 of this document, SCC and County. Appendix Table I-2 lists the VOC, NO_X, and CO emissions for a typical ozone summer day (lb/day) by section number within section 4 of this document, SCC and County. Appendix I also includes Table I-3 which defines the area source sector groups used in Tables 4-3 and 4-4.

Appendix D Table D-1 lists applicable Source Classification Codes (SCCs) for each section of this 2014 PEI together with an SCC description, the EPA data format (Data Category) and summer day allocation method. With the exception of Stage II Refueling, bulk plant and terminals, and landfill emissions, the allocation of annual emissions to summer day emissions for area source SCCs were generated based on the summer day allocation factors presented in Table D-2. These allocation factors are applied on a SCC basis. Implementation of the Table D-2 allocation factors are shown in n Appendix B. Allocation factors generally remain consistent with values used in previous PEIs and follow EPA SCC mappings, however, three new SCC allocation factors were needed to complete this PEI and are discussed in Table D-3. Appendix D Tables D-3 shows the summer day allocation factor and described the logic used in setting the summer day allocation factor for the 2017 PEI. Appendix D Table D-4 and Table D-5 show EPA temporal allocation information for new processes.

Connecticut has adopted EPA's area source emissions estimates for Connecticut, contained in version 2 of EPA's 2014 NEI. Data for the Area Source section was extracted from the 2014 NEI Supporting Data and Summaries link. This parent directory has links to Nonpoint data that was used for all aspects of the Area Source emissions estimates with the exeption of Prescribed Burning and Wildfires, which has a separate link.

For event type source categories (prescribed burning and wildfires) emissions were taken from the csv file, 2014neiv2_eventfires_countyscc.csv.

As part of the process of developing EPA's 2014 area source inventory, Connecticut reviewed and made corrections or enhancements where it was appropriate. Most area source categories were accepted as is. Reviews of source categories and the logic used to accept or recommend changes are documented below. Connecticut primarily reviewed source categories that were either impacted by Connecticut specific regulations or the source category had point source emissions that needed to be accounted for in the area source estimate to avoid double counting. Issues noted after the completion of the 2014 NEI are also addressed in this document, and are reflected in revised emissions estimates as described.

Documentation for the 2014 NEI is provided in the 2014 NEI v2 TSD. Supporting information is in various sections of the TSD. Specific information in the TSD can be most efficiently found using the section title or SCC description applicable to the area source section, whereas the detailed files supporting TSD calculations are usually better searched by SCC number. SCC information is available online and can be downloaded from EPA's SCCs database. The SCC download contains many additional fields including SCC Sector and Tier information.

Table 4-1: 2014 Annual Area Source Emissions Summary by County

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	11,722	3,398	7,935	4,402	1,881	1,536	287	0.0903
Hartford	12,628	3,409	8,321	4,745	1,962	1,373	474	0.0852
Litchfield	2,982	655	5,645	3,257	1,215	434	413	0.0239
Middlesex	2,309	617	3,151	1,632	679	389	109	0.0226
New Haven	10,337	2,864	6,752	3,428	1,524	1,382	350	0.0816
New London	4,318	969	5,187	3,097	1,135	613	379	0.0347
Tolland	2,119	443	3,664	1,927	763	318	317	0.0169
Windham	1,797	386	3,434	1,793	715	255	350	0.0144
Connecticut	**48,212**	**12,741**	**44,091**	**24,281**	**9,874**	**6,300**	**2,678**	**0.3696**

Table 4-2: 2014 Summer Day Area Source Emissions Summary by County

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	70,605	8,522	13,905
Hartford	78,067	8,698	14,777
Litchfield	14,012	1,432	3,170
Middlesex	12,151	1,499	2,875
New Haven	62,600	6,958	12,462
New London	23,985	2,288	4,246
Tolland	10,418	873	2,182
Windham	8,630	863	1,781
Connecticut	**280,469**	**31,134**	**55,398**

Table 4-3: 2014 Annual Area Source Emissions Summary by Sector

Area Source Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Agriculture	163	0	0	1,424	287	0	1,557	0
Asphalt Paving – Cutback and Emulsified	0	0	0	0	0	0	0	0
Aviation Gasoline Distribution	201	0	0	0	0	0	0	0.0013
Bulk Plants and Terminals	2.9	0	0	0	0	0	0	0
Commercial Cooking	167	0	478	1,252	1,161	0	0	0
Construction Dust	0	0	0	5,344	534	0	0	0
Cremation	0	14	0.10	0.90	0.90	2.2	0	0.0055
Fuel Combustion Commercial and Institutional Coal	0	0	0	0	0	0	0	0
Fuel Combustion Commercial and Institutional Distillate Oil	62	1,236	282	111	105	624	20	0.0288
Fuel Combustion Commercial and Institutional Kerosene	0	2.8	0.70	0.30	0.30	6.3	0.10	0.0002
Fuel Combustion Commercial and Institutional Liquified Petroleum Gas (LPG)	7.6	208	116	0.70	0.60	0.90	0.70	0.0006
Fuel Combustion Commercial and Institutional Natural Gas	128	2,331	1,958	12	10.0	14	11	0.0117
Fuel Combustion Commercial and Institutional Residual Oil	0.50	22	2.0	3.7	1.7	63	0.30	0.0007
Fuel Combustion Commercial and Institutional Wood	7.4	95	260	224	194	11	2.2	0
Fuel Combustion Industrial Coal	0	0	0	0	0	0	0	0
Fuel Combustion Industrial Distillate Oil	21	371	83	30	26	114	3.4	0.048
Fuel Combustion Industrial Kerosene	0.10	11	2.8	1.3	0.90	25	0.50	0.0007
Fuel Combustion Industrial Liquified Petroleum Gas (LPG)	0.50	15	8.2	0.10	0	0.10	0.30	0
Fuel Combustion Industrial Natural Gas	48	871	732	4.7	3.7	5.2	28	0.0044
Fuel Combustion Industrial Residual Oil	0	0.60	0.10	0.10	0.10	1.7	0	0
Fuel Combustion Industrial Wood	20	255	694	598	517	29	8.1	0

Area Source Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Gas Stations - Stage I	3,176	0	0	0	0	0	0	0
Gas Stations - Stage II	1,356	0	0	0	0	0	0	0
Industrial Processes - Storage and Transfer - Truck or Pipeline	2,214	0	0	0	0	0	0	0
Mining and Quarrying	0	0	0	1,271	159	0	0	0
Municipal Landfill Estimate	363	0	0	0	0	0	0	0
Oil and Gas Production	0	0	0	0	0	0	0	0
Portable Fuel Containers Estimates	296	0	0	0	0	0	0	0
Prescribed Burning and Wildfires (Events)	172	17	722	80	68	7.6	12	0
Publically Owned Treatment Works (POTW)	37	0	0	0	0	0	7.3	0
Residential Charcoal Grilling	55	64	2,966	208	166	0	0	0
Residential Heating: Coal	0	0	0	0	0	0	0	0
Residential Heating: Distillate Oil	148	3,807	1,058	503	451	5,256	212	0.2673
Residential Heating: Kerosene	0.20	6.2	1.7	0.80	0.70	8.6	0.30	0.0004
Residential Heating: LPG	19	482	137	1.8	1.5	2.0	1.7	0
Residential Heating: Natural Gas	141	2,406	1,024	13	11	15	512	0
Residential Heating: Wood	5,467	523	33,444	4,903	4,896	113	224	0
Road Dust	0	0	0	8,275	1,266	0	0	0
Solvent - Consumer & Commercial Solvent Use	16,071	0	0	0	0	0	0	0
Solvent – Degreasing	3,209	0	0	0	0	0	0	0
Solvent - Dry Cleaning	12	0	0	0	0	0	0	0
Solvent - Graphic Arts	6,651	0	0	0	0	0	0	0
Solvent - Industrial Surface Coating & Solvent Use	7,051	0	0	0	0	0	0	0
Waste Disposal Open Burning	17	4.4	123	17	13	1.5	0	0
Waste Recycling Composting	553	0	0	0	0	0	78	0
All Area Sources	**47,838**	**12,741**	**44,091**	**24,281**	**9,874**	**6,300**	**2,678**	**0.3696**

Table 4-4: 2014 Summer Day Area Source Emissions Summary by Sector

Area Source Sector	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Agriculture	2,163	0	0
Asphalt Paving – Cutback and Emulsified	0	0	0
Aviation Gasoline Distribution	1,106	0	0
Bulk Plants and Terminals	11	0	0
Commercial Cooking	919	0	2,626
Construction Dust	0	0	0
Cremation	0.30	77	0.40
Fuel Combustion Commercial and Institutional Coal	0	0	0
Fuel Combustion Commercial and Institutional Distillate Oil	203	4,074	930
Fuel Combustion Commercial and Institutional Kerosene	0.20	9.4	2.3
Fuel Combustion Commercial and Institutional Liquified Petroleum Gas (LPG)	25	685	384
Fuel Combustion Commercial and Institutional Natural Gas	423	7,685	6,455
Fuel Combustion Commercial and Institutional Residual Oil	1.5	72	6.6
Fuel Combustion Commercial and Institutional Wood	0	0	0
Fuel Combustion Industrial Coal	0	0	0
Fuel Combustion Industrial Distillate Oil	136	2,379	529
Fuel Combustion Industrial Kerosene	0.70	73	18
Fuel Combustion Industrial Liquified Petroleum Gas (LPG)	3.4	94	53
Fuel Combustion Industrial Natural Gas	307	5,583	4,690
Fuel Combustion Industrial Residual Oil	0	3.8	0.30
Fuel Combustion Industrial Wood	0	0	0
Gas Stations - Stage I	18,318	0	0
Gas Stations - Stage II	11,069	0	0
Industrial Processes - Storage and Transfer - Truck or Pipeline	12,764	0	0
Mining and Quarrying	0	0	0
Municipal Landfill Estimate	1,982	0	0
Oil and Gas Production	0	0	0
Portable Fuel Containers Estimates	3,262	0	0
Prescribed Burning and Wildfires (Events)	79	6.7	334
Publically Owned Treatment Works (POTW)	282	0	0
Residential Charcoal Grilling	609	699	32,590
Residential Heating: Coal	0	0	0
Residential Heating: Distillate Oil	179	4,602	1,278
Residential Heating: Kerosene	0.60	17	4.6
Residential Heating: LPG	51	1,298	368
Residential Heating: Natural Gas	217	3,702	1,575
Residential Heating: Wood	365	50	2,878
Road Dust	0	0	0

Area Source Sector	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Solvent - Consumer & Commercial Solvent Use	88,303	0	0
Solvent – Degreasing	24,683	0	0
Solvent - Dry Cleaning	64	0	0
Solvent - Graphic Arts	51,163	0	0
Solvent - Industrial Surface Coating & Solvent Use	53,320	0	0
Waste Disposal Open Burning	92	24	675
Waste Recycling Composting	4,257	0	0
All Area Sources	**276,357**	**31,134**	**55,398**

4.1 Fuel Combustion

4.1.1 Electric Utility Fuel Combustion

There are currently no area source electric utility SCCs, so nonpoint data for electric utility fuel combustion cannot be provided to the EPA EIS at this time. Connecticut includes smaller electric utilities in point source reporting and electric utilities are almost completely covered in the Stationary Point Sources Inventory. The smaller electric utilities that are not covered in the point inventory are listed in Table H-1. This list corresponds to facilities in the Energy Information Administration 2014 Form EIA-923 Report that had an EIA-923 plant identifier but did not align to an EIS alternative identifier, such as,Integrated Planning Model (IPM) or Clean Air Markets Division (CAMD), for an EIS facility having 2014 emissions reported.[38] Total activity for all missing facilities was calculated to be 468.5 thousand gallons of distillate oil and 1,343 million cubic feet of natural gas. This missing electric utilities' activity data was applied to the ICI commercial combustion tool (described below), in order to include the associated emissions in the inventory.

4.1.2 Industrial, Commercial, and Institutional Fuel Combustion

The Industrial, Commercial, and Institutional (ICI) fuel combustion source category overlaps with point source reporting, therefore point source reconciliation, also called point source subtraction, is needed to avoid double counting of reported point emissions. The EPA recommended an activity based reconciliation rather than an emissions based reconciliation for the 2014 NEI.

ICI fuel combustion point reconciliation was implemented using a mapping to the EIA-923 report data using the EPA IPM and CAMD alternate plant identifiers to the EIA Plant identifier and the NAICS and fuel type option (Option C) described in the EPA's ICI NEMO2 (ICI NEMO FINAL_4-2 updated.docx) created to support the 2017 NEI.

EPA's IPM and CAMD alternate plant identifiers were obtained from the EPA EIS Facility Configuration Facility Alternate Identifiers report. The North American Industry Classification System (NAICS) codes were obtained from the EPA EIS Facility Configuration Facility report, and other point reporting data including activity data obtained from Connecticut's point inventory system, EMIT. The linked EIA and point reported emissions inventory data shown in Table H-2 were reviewed for proper alignment, as well as for a reasonable expectation that the complete facility would correspond to the EIA classification stated in the EIA-923 report. The EIA-923 mapped data was supplemented with a NAICS based sector assignment based on the primary NAICS assigned to the facility in EIS and the Table 6 Mapping of NAICS code to ICI sector provided in EPA's ICI NEMO. Appendix H Table H-3 shows the resulting ICI Reconciliation Sector Assignment and Assignment Method.

Three reporting facilities have two corresponding EIA 923 mappings:

1) EIS facility identifier 590011 DEVON POWER, LLC maps to EIA plant identifier 544 Devon Station and plant identifier 57070 GenConn Devon LLC.
2) EIS facility identifier 715611 C R R A / MID-CONNECTICUT maps to EIA plant identifier 54945 CT Resource Rec Authority Facility and plant identifier 563 South Meadow.
3) EIS facility identifier 715711 MIDDLETOWN POWER LLC maps to EIA plant identifier 562 Middletown and plant identifier 57068 GenConn Middletown LLC.

[38] U.S. Energy Information Administration. *Form EIA-923 detailed data with previous form data (EIA-906/920).* https://www.eia.gov/electricity/data/eia923/ #:~:text=The%20survey%20Form%20EIA%2D923, 2%20%2D%20fuel%20receipts%20and%20costs

Each of these mappings represent a situation where a single emissions statement is provided for a facility having two different operating companies at the facility. Division of units at the facility is not needed because the mapped sites have the same ICI Reconciliation Sector Assignment.

Each of these mappings represent a situation where a single emissions statement is provided for a facility having two different operating companies at the facility. Division of units at the facility is not needed because the mapped sites have the same ICI Reconciliation Sector Assignment. Facilities assigned an Industrial or Commercial ICI Reconciliation Sector Assignment are applicable to ICI fuel combustion and need to be further processed into a suitable input for the EPA ICI Combustion Tool. Connecticut's EMIT point reporting emissions system requires the assignment of SCC unit of measure and material. This provides a better option for obtaining ICI combustion reconciliation data than Table 7 of the EPA's ICI NEMO, which inappropriately eliminates some SCCs when it should identify material and combustion processes. Processes having an appropriate material for ICI input, that are not related to petroleum distribution or evaporation, appear to cover the needed scope for ICI combustion point reconciliation.

A review of SCCs for the facilities assigned an Industrial or Commercial ICI Reconciliation Sector Assignment concluded that fuel consumption was reported separately from process materials (Chips fried, asphalt processed, etc.). This simplified the estimation of fuel use that could have been included under an SCC that was not explicitly associated with a fuel material and its corresponding fuel unit of measure.

The Connecticut facility specific results of the point ICI Reconciliation are shown in Table H-4 for each applicable fuel type. A statewide summary of these data by sector and fuel are provided in Table H-5. Table H-6 shows the final statewide point reconciliation activity input data results with a corresponding SCC assigned for use in the EPA's ICI Combustion Tool. This final result has 468.5 thousand gallons of distillate oil and 1,343 million cubic feet (MMCF)of natural gas removed for point reconciliation from the commercial sector to adjust electrical generation activity reported to EIA, but not reported as an emissions inventory point source. Part 4.1.1 of this section and Appendix H Table H-1 describe the calculations of the electrical generation activity reported to EIA but not reported as an emissions inventory point source.

Because the EIA only reports energy consumption down to the state-level, it is necessary to develop a procedure to allocate EIA's fuel consumption estimates (after adjustments noted in sections above) to counties. For the NEI, the procedure relies on the use of allocation factors developed from the county-level number of employees in the Industrial sector, and the county number of employees in the Commercial/Institutional sector. Industrial fuels were provided a profile, and commercial / institutional fuels were provided a different profile. Appendix H Table H-7 shows the county allocation profiles for industrial and commercial/institutional employment calculated from the ICI Combustion Tool activity output for Connecticut. ICI Combustion Tool compiled employment data for these NAICS codes from two Bureau of the Census publications– *County Business Patterns* (for private sectors), and *Census of Governments* (for public administration sectors). For more information on the developments of these profiles, please refer to Section 4.12.3.2 of the 2014 NEI v2 TSD.[39]

The EPA ICI Combustion Tool was run to estimate activity and emissions based on the improved point reconciliation approach described above and the EPA defaults with modifications to inputs described below and explained in the individual fuel sections that follow. EIA State Energy Data System (SEDS) data series 2013F was used, with fuel-specific adjustments described in Section 4.12.3.1 of the 2014 NEI v2 TSD.[40] Key state level inputs were as follows:

[39] U.S. Environmental Protection Agency. *ICI Boilers*. 2018. *2014 NEI V2 TSD.* Pg. 4-114 to 4-115.

[40] U.S. Environmental Protection Agency. *ICI Boilers* .2018. 2014 NEI V2 TSD. Pg. 4-110 to 4-113.

- Improved ICI Point Source Reconciliation estimates using the 2017 methodology
- ICI Distillate Boiler / Engine Split 95 / 5 for Commercial (and institutional) and 90/10 for Industrial
- ICI Distillate Sulfur 0.175%

4.1.2.1 ICI Coal Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-001-000	Stationary Source Fuel Combustion	Industrial	Anthracite Coal	Total: All Boiler Types
21-02-002-000	Stationary Source Fuel Combustion	Industrial	Bituminous/ Subbituminous Coal	Total: All Boiler Types
21-03-001-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Anthracite Coal	Total: All Boiler Types
21-03-002-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Bituminous/ Subbituminous Coal	Total: All Boiler Types

The ICI Combustion tool outputs zero activity and zero emissions for ICI Coal Combustion. The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.2.2 ICI Distillate Oil Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-004-001	Stationary Source Fuel Combustion	Industrial	Distillate Oil	All Boiler Types
21-02-004-002	Stationary Source Fuel Combustion	Industrial	Distillate Oil	All IC Engine Types
21-03-004-001	Stationary Source Fuel Combustion	Commercial/ Institutional	Distillate Oil	Boilers
21-03-004-002	Stationary Source Fuel Combustion	Commercial/ Institutional	Distillate Oil	IC Engines

The ICI Combustion Tool outputs distillate oil activity of 8,600 E3GAL for industrial and 48,707 E3GAL for commercial/ institutional. This activity does not include point reconciliation activity totals, which were removed to avoid double counting of activity and emissions reported in the point sector. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.12.3.1 of the 2014 NEI V2 TSD.[41] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Table I-2.

It is important to differentiate distillate fuel consumption by boilers from consumption by internal combustion engines because the associated emission factors greatly vary. An example of this emission factor variation is the emission factor for NO_X used in the EPA ICI Tool for internal combustion engines, which is more than 30 times greater than the boiler NO_X emission factor. EPA NOMAD regional and state discussions directed attention to properly representing distillate fuel consumption. The split of distillate oil fuel consumption of 95% by boilers and 5% by internal combustion engines for commercial and institutional SCCs used by Connecticut in 2011 was maintained, but discussions and evaluations resulted

[41]U.S. Environmental Protection Agency. *ICI Boilers* .2018. 2014 NEI V2 TSD. Pg. 4-110 to 4-113.

in a higher percentage consumption for industrial SCCs (90% by boilers and 10% by internal combustion engines) than was previously assigned for Connecticut.

ICI Combustion tool updated distillate boiler/engine split national default values to 60%/40% for industrial and 95%/5% for commercial in May 31, 2017 issue of the Version 1.6 of the tool. EPA indicated that states should update these national defaults based on state specific evaluation. The evaluation of Connecticut data for 2011 supported a boiler/engine split of 95%/5% for both commercial/institutional and industrial. An evaluation for the 2014 NEI was extended to include consideration of a review of Massachusetts data to ensure a representative sample of smaller facilities were included in the inventory. The boiler engine split ratio has come up a number of times and will likely come up in the future, so the following key points are noted.

- Turbine related distillate oil consumption is excluded from consideration in determining the distillate oil boiler/engine split.
- The distillate oil boiler/engine split relates to fuel consumption percentages and not equipment population percentages.
- Fuel cost and availability, particularly natural gas availability impact the distillate oil boiler/engine split, but capital cost of the boiler provides inertial stability for short term price differences. Generally, natural gas availability reduces distillate oil boiler fuel consumption.
- Regulations that prohibit emergency generator use for non-emergency behind the meter electrical generation reduce distillate oil engine fuel consumption.

Connecticut distillate oil sulfur regulations changed from 3000 ppm (0.3%) to a low sulfur limit 500 ppm (0.05%) by weight effective July 1, 2014. The 2014 distillate oil sulfur input for the ICI combustion tool was conservatively set at an average to the regulatory sulfur limits (0.175% by weight). Table 19b-1 of RCSA § 22a-174-19b ,"Fuel sulfur content limitations for stationary sources", presents the low sulfur limits that became effective in 2014.[42]

4.1.2.3 ICI Residual Oil Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-005-000	Stationary Source Fuel Combustion	Industrial	Residual Oil	Total: All Boiler Types
21-03-005-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Residual Oil	Total: All Boiler Types

The ICI Combustion Tool outputs residual oil activity of 21.5 E3GAL for industrial and 798 E3GAL for commercial/ institutional. This activity does not include the industrial sector point reconciliation activity total, which was removed to avoid double counting of activity and emissions reported in the point source inventory. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.12.3.1 of the 2014 NEI v2 TSD.[43] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[42] RCSA § 22a-174-19b. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-19b.
[43] U.S. Environmental Protection Agency. *ICI Boilers* .2018. 2014 NEI V2 TSD. Pg. 4-110 to 4-113.

Table 19b-1 of RCSA § 22a-174-19b,"Fuel sulfur content limitations for stationary sources", indicates that residual oil fuel sulfur limit did not change from the 10,000 ppm limit that existed in 2011.[36] This value corresponds to the default value (1.00%) provided by EPA in the ICI combustion tool.

4.1.2.4 ICI Natural Gas Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-006-000	Stationary Source Fuel Combustion	Industrial	Natural Gas	Total: Boilers and IC Engines
21-03-006-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Natural Gas	Total: Boilers and IC Engines

The ICI Combustion Tool outputs natural gas activity of 17,419 MMCF for industrial and 46,621 MMCF for commercial/ institutional. This activity does not include point reconciliation activity totals, which were removed to avoid double counting of activity and emissions reported in the point sector. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.12.3.1 of the 2014 NEI TSD.[44] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.2.5 ICI LPG Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-007-000	Stationary Source Fuel Combustion	Industrial	Liquefied Petroleum Gas (LPG)	Total: All Boiler Types
21-03-007-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Liquefied Petroleum Gas (LPG)	Total: All Combustor Types

The ICI Combustion Tool outputs LPG activity of 2,070 E3GAL for industrial and 29,208 E3GAL for commercial/institutional. This activity does not include point reconciliation activity totals, which were removed to avoid double counting of activity and emissions reported in the point sector. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.12.3.1 of the 2014 NEI v2 TSD.[45] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[44] U.S. Environmental Protection Agency. *ICI Boilers* .2018. 2014 NEI V2 TSD. Pg. 4-110 to 4-113.
[45] U.S. Environmental Protection Agency. *ICI Boilers* .2018. 2014 NEI V2 TSD. Pg. 4-110 to 4-113.

4.1.2.6 ICI Wood Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-008-000	Stationary Source Fuel Combustion	Industrial	Wood	Total: All Boiler Types
21-03-008-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Wood	Total: All Boiler Types

The ICI Combustion Tool outputs wood combustion activity of 2,314,000 E6BTU for industrial and 867,000 E6BTU for commercial/institutional. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.12.3.1 of the 2014 NEI v2 TSD.[46] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.2.7 ICI Kerosene Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-02-011-000	Stationary Source Fuel Combustion	Industrial	Kerosene	Total: All Boiler Types
21-03-011-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Kerosene	Total: All Combustor Types

The ICI Combustion Tool outputs kerosene oil activity of 1,179 E3GAL for industrial and 294 E3GAL for commercial/ institutional. This activity does not include point reconciliation activity totals, which were removed to avoid double counting of activity and emissions reported in the point sector. For more information on the fuel specific adjustments to EIA data, please refer to Section 4.12.3.1 of the 2014 NEI v2 TSD.[47] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.3 Residential Fuel Combustion

4.1.3.1 Residential Coal Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-001-000	Stationary Source Fuel Combustion	Residential	Anthracite Coal	All Boiler Types
21-04-002-000	Stationary Source Fuel Combustion	Residential	Bituminous/ Subbituminous Coal	All Boiler Types

Coal is not utilized for residential heat in Connecticut. EPA activity estimate is zero for Connecticut. Connecticut accepts the EPA Residential Coal Combustion emissions estimates. For more information on these estimates, please refer to Section 4.13 of the 2014 NEI v2 TSD.[48] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[46] U.S. Environmental Protection Agency. *ICI Boilers* .2018. 2014 NEI V2 TSD. Pg. 4-110 to 4-113
[47] U.S. Environmental Protection Agency. *ICI Boilers* .2018. 2014 NEI V2 TSD. Pg. 4-110 to 4-113
[48] U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135

4.1.3.2 Residential Distillate Oil Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-040-04-000	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total Boilers and IC Engines

Connecticut accepted the EPA estimates with an adjustment to SO_2 emissions estimates to account for reduced sulfur limits. Effective June 30, 2014, the General Statutes of Connecticut §16a-21a(a)(2) decreased the sulfur limit of residential heating distillate oil from 0.3% (3000 ppm) to 500 ppm.[49] Consequently, an adjustment of SO_2 emissions to reflect an average sulfur limit of 1,750 ppm was applied to the EPA 2014 NEI SO_2 emissions estimates for SCC. 2014 NEI SO_2 emissions were multiplied by a factor of $0.58\overline{3}$ $\left(\frac{1{,}750\ ppm}{3{,}000\ ppm}\right)$.

For more information on these estimates, please refer to Section 4.13 of the 2014 NEI v2 TSD.[50] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on EIA SEDS Distillate Fuel Oil consumption data.[51] This data file can be accessed here. EIA Mnemonic Series Name (MSN) DFRCP (Distillate fuel oil consumed by the residential sector) were estimated at 10,071 E3BBL or 422,982 E3GAL.

The EPA county allocation shown in Table 4-5 was provided through support files found in the 2014 NEI v2 TSD sourced from the U.S. Census American Fact Finder query for Heating fuel 2014 5-year estimates.[52] Note that the American Fact Finder query tool has since been decommissioned and comparable data can be retrieved from https://data.census.gov/.

Table 4-5: County Allocation of Residential Distillate Oil and Kerosene Consumption

County	EPA County Allocation
Fairfield	23.5%
Hartford	20.8%
Litchfield	7.2%
Middlesex	6.5%
New Haven	22.2%
New London	10.1%
Tolland	5.4%
Windham	4.2%

4.1.3.3 Residential Residual Oil Combustion

The Residential Residual Oil Combustion SCC (21-04-005-000) was retired and not replaced by the EPA. Therefore, there was no combustion of residual oil in the residential sector of Connecticut.

[49] Conn. Gen. Stat. Sec. 16a-21a. 2014. https://www.cga.ct.gov/current/pub/chap_296.htm#sec_16a-21a.
[50] U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135
[51] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units)
[52] U.S. Census Bureau. Table Code B25040. 2014. https://data.census.gov/table/ACSDT5Y2017.B25040?q=B25040&g=040XX00US09$0500000_010XX00US&y=2014

4.1.3.4 Residential Natural Gas Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-006-000	Stationary Source Fuel Combustion	Residential	Natural Gas	Total: Boilers and IC Engines

Connecticut accepts the EPA Residential Natural Gas Combustion emissions estimates. For more information on these estimates, please refer to Section 4.13 of the 2014 NEI v2 TSD.[53] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on EIA SEDS natural gas consumption data.[54] This data file can be accessed here. EIA MSN NGRCP (Natural gas consumed by (delivered to) the residential sector) was estimated at 51,193 MMCF.

The EPA county allocation shown in Table 4-6 was provided through support files found in the 2014 NEI v2 TSD sourced from the U.S. Census American Fact Finder query for Heating fuel 2014 5-year estimates.[55] Note that the American Fact Finder query tool has since been decommissioned and comparable data can be retrieved from https://data.census.gov/.

Table 3-2: County Allocation of Residential Natural Gas Consumption

County	EPA County Allocation
Fairfield	28.0%
Hartford	35.2%
Litchfield	2.3%
Middlesex	1.9%
New Haven	27.1%
New London	3.1%
Tolland	1.4%
Windham	1.1%

[53] U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135

[54] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units)

[55] U.S. Census Bureau. Table Code B25040. 2017.

4.1.3.5 Residential LPG Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-007-000	Stationary Source Fuel Combustion	Residential	Liquefied Petroleum Gas (LPG)	Total: All Combustion Types

Connecticut accepts the EPA Residential LPG Combustion emissions estimates. For more information on these estimates, please refer to Section 4.13 of the 2014 NEI v2 TSD.[56] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on EIA SEDS LPG consumption data.[57] This data file can be accessed here. EIA MSN LGRCP (LPG fuel oil consumed by the residential sector) were estimated at 1,713 E3BBL or 71,946 E3GAL.

The EPA county allocation shown in Table 4-7 was provided through support files found in the 2014 NEI v2 TSD sourced from the U.S. Census American Fact Finder query for Heating fuel 2014 5-year estimates.[58] Note that the American Fact Finder query tool has since been decommissioned and comparable data can be retrieved from https://data.census.gov/.

Table A-1: County Allocation of Residential LPG Consumption

County	EPA County Allocation
Fairfield	18.6%
Hartford	20.3%
Litchfield	8.6%
Middlesex	7.9%
New Haven	18.9%
New London	12.5%
Tolland	7.5%
Windham	5.7%

[56] U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135
[57] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units).
[58] U.S. Census Bureau. Table Code B25040. 2014.

4.1.3.6 Residential Wood Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-008-100	Stationary Source Fuel Combustion	Residential	Wood	Fireplace: general
21-04-008-210	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; non-EPA certified
21-04-008-220	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; EPA certified; non-catalytic
21-04-008-230	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; EPA certified; catalytic
21-04-008-310	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, non-EPA certified
21-04-008-320	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, EPA certified, non-catalytic
21-04-008-330	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, EPA certified, catalytic
21-04-008-400	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: pellet-fired, general (freestanding or FP insert)
21-04-008-510	Stationary Source Fuel Combustion	Residential	Wood	Furnace: Indoor, cordwood-fired, non-EPA certified
21-04-008-610	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: outdoor
21-04-008-700	Stationary Source Fuel Combustion	Residential	Wood	Outdoor wood burning device, NEC (fire-pits, chimeas, etc)
21-04-009-000	Stationary Source Fuel Combustion	Residential	Firelog	Total: All Combustor Types

Connecticut accepts the EPA Residential Wood Combustion emissions estimates. For more information on these estimates, please refer to Section 4.14 of the 2014 NEI v2 TSD.[59] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.3.7 Residential Kerosene Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-040-11-000	Stationary Source Fuel Combustion	Residential	Kerosene	Total: All Combustor Types

Connecticut accepted the EPA kerosene combustion emissions estimates with an adjustment to SO_2 emissions estimates to account for reduced sulfur limits. Effective June 30, 2014, the General Statutes of Connecticut §16a-21a(a)(2) decreased the sulfur limit of residential heating distillate oil from 0.3% (3000 ppm) to 500 ppm.[60] Consequently, an adjustment of

[59] U.S. Environmental Protection Agency. *Residential Wood.* 2018. 2014 NEI V2 TSD. Pg. 4-136 to 4-147
[60] Conn. Gen. Stat. Sec. 16a-21a. "Sulfur content of home heating oil and off-road diesel fuel". https://www.cga.ct.gov/current/pub/chap_296.htm#sec_16a-21a

SO_2 emissions to reflect an average sulfur limit of 1,750 ppm was applied to the EPA 2014 NEI SO_2 emissions estimates for SCC. 2014 NEI SO_2 emissions were multiplied by a factor of $0.58\overline{3}$ $\left(\frac{1{,}750\ ppm}{3{,}000\ ppm}\right)$.

For more information on these estimates, please refer to Section 4.13 of the 2014 NEI v2 TSD.[61] The annual estimates for this sector in 2014 are presented in Appendix I Table I 1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on EIA SEDS kerosene consumption data.[62] This data file can be accessed here. EIA MSN KSRCP (Kerosene consumed by the residential sector) were estimated at 17 E3BBL or 714 E3GAL.

The EPA county allocation previously shown in Table 4-5 was provided through support files found in the 2014 NEI v2 TSD sourced from the U.S. Census American Fact Finder query for Heating fuel 2014 5-year estimates.[63]

Note that the American Fact Finder query tool has since been decommissioned and comparable data can be retrieved from https://data.census.gov/.

4.2 Storage & Transport (Gasoline and Fuel Distribution)

In general terms, gasoline distribution emission estimates are broken out in the numbered section groupings or alternatively into the following "stages":

Stage 1 gasoline distribution emissions are the emissions associated with gasoline handling excluding emissions from refueling activities. Stage I gasoline distribution includes the following gasoline emission points: 1) bulk terminals; 2) pipeline facilities; 3) bulk plants; 4) tank trucks; and 5) unloading at service stations. Emissions from Stage I gasoline distribution occur as gasoline vapors are released into the atmosphere. These Stage I processes are subject to EPA's maximum available control technology (MACT) standards for gasoline distribution.

4.2.1 Bulk Plant and Terminals

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-01-050-120	Storage and Transport	Petroleum and Petroleum Product Storage	Bulk Terminals: All Evaporative Losses	Gasoline
25-01-055-120	Storage and Transport	Petroleum and Petroleum Product Storage	Bulk Plants: All Evaporative Losses	Gasoline

A bulk gasoline plant is defined in 40 CFR § 63.11100 as "any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank, and subsequently loads the gasoline into gasoline cargo tanks for transport to gasoline dispensing facilities, and has a gasoline throughput of less than 20,000 gallons per day". Similarly, a bulk gasoline terminal is defined as "any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank and has a gasoline throughput of 20,000 gallons per day or greater".[64]

[61] U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135
[62] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units)
[63] U.S. Census Bureau. Table Code B25040. 2014.
[64] 40 CFR § 63.11100. 2011. https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.bbbbbb#se40.16.63_111100

This emissions inventory does not have any current bulk plant SCCs and CT DEEP does not have any knowledge of any bulk plants within Connecticut state boundaries. All bulk gasoline storage appears to be covered by bulk terminals, which almost exclusively are accounted for point sources. Reported 2014 point source bulk terminal activity and emissions are summarized in Appendix H Table H-8 and an estimate of the few missing bulk terminal emissions are presented in Appendix H Table H-9.

Bulk plant (SCC 25-01-055-120) area source emissions were set to zero for all counties and bulk terminal (SCC 25-01-050-120) were set to the Appendix H Table H-9 values. The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.2.2 Aviation Gasoline, Stage 1 and 2 Distribution

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-01-080-050	Storage and Transport	Petroleum and Petroleum Product Storage	Airports : Aviation Gasoline	Stage 1: Total
25-01-080-100	Storage and Transport	Petroleum and Petroleum Product Storage	Airports : Aviation Gasoline	Stage 2: Total

Table A-1: County-Level Gasoline Consumption

County Name	County-Level AvGas Consumption [gal]	SEDS State AvGas Consumption [gal]	VOC [TPY]
Fairfield	275,266	1,092,000	1.87
Hartford	374,550	1,092,000	2.55
Litchfield	0	1,092,000	0.00
Middlesex	14,375	1,092,000	0.10
New Haven	203,985	1,092,000	1.39
New London	68,650	1,092,000	0.47
Tolland	63,761	1,092,000	0.43
Windham	91,415	1,092,000	0.62
Total	1,092,000		7.43

Connecticut accepts the EPA Stage 1 and 2 Aviation Gasoline emission estimates. For more information on these estimates, please refer to Section 4.6 of the 2014 NEI v2 TSD.[65] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[65] U.S. Environmental Protection Agency. *Nonpoint Gasoline Distribution*.2018. 2014 NEI V2 TSD. Pg. 4-57 to 4-64.

The EPA 2014 NEI activity data for the State of Connecticut was based on NEI v2 Supplemental Data and data from EIA SEDS.[66] [67] Review verified VOC emissions factors were consistent with the State of Connecticut 2011 PEI documentation. Aviation Gasoline consumption estimates were consistent with the EIA SEDS data set for Consumption in years 1960-2014.

4.2.3 Stage I Gasoline Distribution

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-01-060-051	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Submerged Filling
25-01-060-052	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Splash Filling
25-01-060-053	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Balanced Submerged Filling
25-01-060-201	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Underground Tank: Breathing and Emptying

Connecticut accepts EPA's Stage 1 Gasoline Distribution emissions estimates. For more information on these estimates, please refer to Section 4.6 of the 2014 NEI v2 TSD.[68] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on EPA-453/R94-002b and EIA data on Annual Petroleum Supply.[69, 70]

4.2.4 Stage II Refueling

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-01-00-0062	Mobile Sources	Highway Vehicles-Gasoline	Refueling	Total Spillage and Displacement
22-02-00-0062	Mobile Sources	Highway Vehicles-Diesel	Refueling	Total Spillage and Displacement

EPA provided an estimate of diesel refueling in the 2014 NEI data under SCC 22-02-00-0062. Connecticut accepts EPA's emission estimates for SCC 22-02-00-0062.

[66] U.S. Environmental Protection Agency. 2014. "Stage I Gasoline Distribution for NEI v2.zip (accessable via Firefox Browser)." *2014 NEI Supporting Data- Nonpoint.* https://gaftp.epa.gov/Air/nei/2014/doc/2014v2_supportingdata/nonpoint/Stage%20I%20Gasoline%20Distribution%20for%20NEI%20v2.zip.

[67] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020,* (Full Consumption report CSV in Physical Units).

[68] U.S. Environmental Protection Agency. *Nonpoint Gasoline Distribution*.2018. 2014 NEI V2 TSD. Pg. 4-57 to 4-64.

[69] U.S. Environmental Protection Agency. 1994. *Gasoline Distribution Industry (Stage I)-Background Information for Promulgated Standards*. https://nepis.epa.gov/Exe/ZyPDF.cgi/2000HK21.PDF?Dockey=2000HK21.PDF.

[70] U.S. Department of Energy. 2014. *Petroleum and Other Liquids.* https://www.eia.gov/petroleum/ supply/annual/volume1/.

Connecticut Stage II gasoline emissions (SCC 22-01-00-0062) were estimated using the Connecticut specific MOVES run for the 2014 PEI. Reported point emissions (SCC 4-06-004-02) overlap with SCC 22-01-00-0062 emissions so point reconciliation was applied as described in this section. Stage II refueling emissions estimates are presented below and in Appendix I. The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The requirement for Stage II gasoline vehicle fueling controls was eliminated in Connecticut by Public Act No. 13-120 on June 18, 2013 and became effective immediately.[71] This act immediately repealed the requirement to install and test Stage II vapor recovery systems and replaced it with language mandating the decommissioning of all Stage II systems by July 1, 2015.

Between June 18, 2013 and July 1, 2015, stations that had not removed their Stage II controls were not required to test those controls. For the 2014 PEI analysis, there were a number of stations in the process of removing their Stage II controls and stations that had Stage II controls that were not tested.

Because Stage II controls were either removed or not tested, Connecticut assigned the *refuelingVaporProgramAdjust* and *refuelingSpillProgramAdjust* inputs in the MOVES2014b countyyear table to correspond to no Stage II program (i.e. "0" for both fields) for each Connecticut county in 2014. This method to "turn-off" Stage II controls for 2014 and future modeling years is consistent with guidance provided in Section 4.15 of the MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance. [72]

Table 4-9 contains the VOC annual and typical ozone season day emissions from Stage II gasoline vehicle fueling and Stage II diesel vehicle fueling after applying point source subtraction. Only gasoline summer day and annual refueling emissions were obtained from MOVES2014b model runs with point source subtraction applied, as the annual diesel refueling emissions estimates provided by EPA were thought to be adequate. The gasoline annual and summer day refueling emissions were obtained directly from MOVES2014b using Stage II program adjustments described above together with other MOVES inputs described in Section 3 of this document.

Table 4-10 presents the emissions reductions applied as result of point source subtraction together with the point source SCC that was used to report the emissions. Only a single point source SCC was found to have a mapping and only the gasoline SCC 22-01-00-0062 needed to be adjusted for point source emissions reported in 2014. Stage II refueling remains in Section 4 Area Sources of this document, because Stage II refueling is a fixed nonpoint source that is assigned to the Gas Stations sector, that is estimated by the mobile model (MOVES2014b) and that also needs to be combined with point data for a clear representation of the applicable tier levels.

[71] Public Act No. 13-120. 2013. *An Act Concerning Gasoline Recovery Systems.* https://www.cga.ct.gov/2013/act/pa/pdf/2013PA-00120-R00HB-06534-PA.pdf.

[72] Environmental Protection Agency. 2018. "MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity." Pg. 60. *EPA-420-B-18-039.* https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100V7EY.pdf.

Table A-1: 2014 Summary of Updated Nonpoint Vehicle Refueling Emissions (not adopted from EPA estimates)

County Name	Gasoline Stage II Refueling SCC 22-01-00-0062		Diesel Stage II Refueling SCC 22-02-00-0062	
	VOC Annual Emissions [TPY]	VOC Summer Day Emissions [lb/day]	VOC Annual Emissions [TPY]	VOC Summer Day Emissions [lb/day]
Fairfield	320.36	2,590.40	9.97	57.49
Hartford	327.17	2,723.53	10.73	61.85
Litchfield	60.07	508.26	1.59	9.19
Middlesex	74.93	604.49	2.46	14.17
New Haven	308.52	2,530.24	10.25	59.14
New London	115.51	968.90	4.10	23.67
Tolland	63.21	535.05	2.55	14.72
Windham	42.92	359.37	1.48	8.55
Statewide Total	1,312.69	10,820.24	43.14	248.79

Table A-2: 2014 Point Source Subtraction Data for Gasoline Stage II Refueling

County Name	Point Source SCC	VOC Annual Emissions [TPY]	VOC Summer Day Emissions [lb/day]
Fairfield	4-06-004-02	0	0
Hartford	4-06-004-02	0.09	0.46
Litchfield	4-06-004-02	0	0
Middlesex	4-06-004-02	0	0
New Haven	4-06-004-02	0	0
New London	4-06-004-02	4.18	23.48
Tolland	4-06-004-02	0	0
Windham	4-06-004-02	0	0

4.2.5 Industrial Processes – Storage and Transfer – Truck or Pipeline

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-05-030-120	Storage and Transport	Petroleum and Petroleum Product Transport	Truck	Gasoline
25-05-040-120	Storage and Transport	Petroleum and Petroleum Product Transport	Pipeline	Gasoline

Connecticut accepts EPA's Storage and Transfer, Truck or Pipeline emission estimates. For more information on these estimates, please refer to Section 4.6 of the 2014 NEI v2 TSD.[73] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on information provided by MACTEC Inc.[74]

[73] U.S. Environmental Protection Agency. *Nonpoint Gasoline Distribution*.2018. 2014 NEI V2 TSD. Pg. 4-57 to 4-64.

[74] Julia Cavalier, MECTEC, Inc., interview by U.S. Environmental Protection Agency Steven Shedd. 2004. *Personal communication, "RE: Percentage of Gasoline Transported Twice By Truck,"* (July 6).

4.2.6 Portable Fuel Containers Estimates

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
25-01-011-011	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Permeation
25-01-011-012	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Evaporation (includes Diurnal losses)
25-01-011-013	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Spillage During Transport
25-01-011-014	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Refilling at the Pump -Vapor Displacement
25-01-011-015	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Refilling at the Pump -Spillage
25-01-012-011	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Permeation
25-01-012-012	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Evaporation (includes Diurnal losses)
25-01-012-013	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Spillage During Transport
25-01-012-014	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Refilling at the Pump -Vapor Displacement
25-01-012-015	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Refilling at the Pump -Spillage

Connecticut accepts the EPA Portable Fuel Containers emissions estimates. For more information on these estimates, please refer to Section 4.18 of the 2014 NEI v2 TSD.[75] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on EPA420-R-07-002 and the 72 FR 8427.[76, 77]

The EPA Emissions Factor for Portable Fuel Contaners was based on EPA reports (EPA420-R-07-001 & EPA-420-R-11-018) and a consultant report by Harold Haskew and Associates on Evaporative Emissions from In-Use Vehicles.[78, 79, 80]

[75] U.S. Environmental Protection Agency. *Portable Gas Cans*. 2018. 2014 NEI V2 TSD. Pg. 4-160 to 4-165.
[76] U.S. Environmental Protection Agency. 2007. "Control of Hazardous Air Pollutants from Mobile Sources Final Regulatory Impact Analysis." *EPA420-R-07-002.* https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P1004LNN.PDF.
[77] 72 FR 8427. 2007. *Control of Hazardous Air Pollutants From Mobile Sources.* https://www.federalregister.gov/documents/2007/02/26/E7-2667/control-of-hazardous-air-pollutants-from-mobile-sources.
[78] U.S. Environmental Protection Agency. 2007. "Estimating Emissions Associated with Portable Fuel Containers (PFCs)." EPA420-R-07-001. https://nepis.epa.gov/Exe/ZyPDF.cgi/P1004LMT.PDF?Dockey=P1004LMT.PDF.
[79] U.S. Environmental Protection Agency. 2011. "Hydrocarbon Composition of Gasoline Vapor Emissions from Enclosed Fuel Tanks." EPA-420-R-11-018. https://nepis.epa.gov/Exe/ZyPDF.cgi/P100GP.
[80] Harold Haskew and Associates. 2010. "Evaporative Emissions from In-Use Vehicles: Test Fleet Expansion (CRC E-77-2b)." October. https://www.epa.gov/moves/evaporative-emissions-use-vehicles-test-fleet-expansion-crc-e-77-2b-final-report.

4.3 Solvent Utilization

Section 4.23 of the 2014 NEI v2 TSD discusses all nonpoint solvent sources except for agricultural pesticide application, which is discussed in Part 4.4.5 of this PEI and asphalt paving, which is discussed in Part 4.3.6 of this PEI.[81]

SCCs in Parts 4.3.1 through 4.3.5 of this PEI were estimated using the EPA's Solvent Tool version 1.7 based on employment and county level point reconciliation. The point reconciliation details are based on uncontrolled emissions and are shown in Appendix H Table H-10, Table H-11, and Table H-12. Connecticut accepts these EPA estimates after applying point reconciliation.

4.3.1 Solvent – Degreasing

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-15-000-000	Solvent Utilization	Degreasing	All Processes/ All Industries	Total: All Solvent Types

Table A-1: 2014 County Allocation (Degressing Solvents)

County	SCC 24-15-000-000 County Allocation
Fairfield	25.0%
Hartford	31.4%
Litchfield	5.2%
Middlesex	5.6%
New Haven	21.2%
New London	7.3%
Tolland	2.3%
Windham	2.1%

The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.3.2 Solvent – Dry Cleaning

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-20-000-000	Solvent Utilization	Dry Cleaning	All Processes	Total: All Solvent Types

[81] U.S. Environmental Protection Agency. *Solvents*. 2018. 2014 NEI V2 TSD. Pg. 4-242 to 4-251.

Table A-1: County Allocations (Dry Cleaning Solvents)

County	SCC 24-20-000-000 County Allocation
Fairfield	35.4%
Hartford	19.3%
Litchfield	4.6%
Middlesex	3.6%
New Haven	20.9%
New London	11.1%
Tolland	4.2%
Windham	0.9%

County level employment for NAICS 812320 was used to allocate emissions to Connecticut counties. The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.3.3 Solvent – Graphic Arts

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-25-000-000	Solvent Utilization	Graphic Arts	All Processes	Total: All Solvent Types

Table A-1: County Allocations (Graphic Arts Solvents)

County	SCC 24-25-000-000 County Allocation
Fairfield	24.5%
Hartford	36.4%
Litchfield	2.8%
Middlesex	1.5%
New Haven	22.6%
New London	4.2%
Tolland	4.2%
Windham	3.8%

The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.3.4 Solvent – Consumer & Commercial Solvent Use

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-60-100-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Personal Care Products	Total: All Solvent Types
24-60-200-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Household Products	Total: All Solvent Types
24-60-400-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Automotive Aftermarket Products	Total: All Solvent Types
24-60-500-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Coatings and Related Products	Total: All Solvent Types
24-60-600-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Adhesives and Sealants	Total: All Solvent Types
24-60-800-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All FIFRA Related Products	Total: All Solvent Types
24-60-900-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	Miscellaneous Products (Not Otherwise Covered)	Total: All Solvent Types

Table A-1: 2014 County Allocations (Miscellaneous Non-industrial: Consumer and Commercial Solvent Utilization)

County	SCC 24-60-100-000, 24-60-200-000, 24-60-400-000, 24-60-500-000, 24-60-600-000, 24-60-800-000 and 24-60-900-000 County Allocation
Fairfield	26.2%
Hartford	25.0%
Litchfield	5.2%
Middlesex	4.6%
New Haven	24.0%
New London	7.6%
Tolland	4.2%
Windham	3.3%

County level population was used to allocate miscellaneous non-industrial: consumer and commercial solvent utilization emissions to Connecticut counties.The annual estimates for this sector in 2014 are presented in Appendix I Table I 1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.3.5 Solvent – Industrial Surface Coating & Solvent Use

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-01-001-000	Solvent Utilization	Surface Coating	Architectural Coatings	Total: All Solvent Types
24-01-005-000	Solvent Utilization	Surface Coating	Auto Refinishing: SIC 7532	Total: All Solvent Types
24-01-008-000	Solvent Utilization	Surface Coating	Traffic Markings	Total: All Solvent Types
24-01-015-000	Solvent Utilization	Surface Coating	Factory Finished Wood: SIC 2426 thru 242	Total: All Solvent Types
24-01-020-000	Solvent Utilization	Surface Coating	Wood Furniture: SIC 25	Total: All Solvent Types
24-01-025-000	Solvent Utilization	Surface Coating	Metal Furniture: SIC 25	Total: All Solvent Types
24-01-030-000	Solvent Utilization	Surface Coating	Paper: SIC 26	Total: All Solvent Types
24-01-040-000	Solvent Utilization	Surface Coating	Metal Cans: SIC 341	Total: All Solvent Types
24-01-055-000	Solvent Utilization	Surface Coating	Machinery and Equipment: SIC 35	Total: All Solvent Types
24-01-060-000	Solvent Utilization	Surface Coating	Large Appliances: SIC 363	Total: All Solvent Types
24-01-065-000	Solvent Utilization	Surface Coating	Electronic and Other Electrical: SIC 36-363	Total: All Solvent Types
24-01-070-000	Solvent Utilization	Surface Coating	Motor Vehicles: SIC 371	Total: All Solvent Types
24-01-075-000	Solvent Utilization	Surface Coating	Aircraft: SIC 372	Total: All Solvent Types
24-01-080-000	Solvent Utilization	Surface Coating	Marine: SIC 373	Total: All Solvent Types
24-01-085-000	Solvent Utilization	Surface Coating	Railroad: SIC 374	Total: All Solvent Types
24-01-090-000	Solvent Utilization	Surface Coating	Miscellaneous Manufacturing	Total: All Solvent Types
24-01-100-000	Solvent Utilization	Surface Coating	Industrial Maintenance Coatings	Total: All Solvent Types
24-01-200-000	Solvent Utilization	Surface Coating	Other Special Purpose Coatings	Total: All Solvent Types

Table A-1: 2014 County Allocations (Surface Coating Solvent Utilization)

County	County Allocation of 24-01-XXX-000 [%]														
	001, 008 100, 200	005	015	020	025	030	040	055	060	065	070	075	080	085	090
Fairfield	26.2	24.2	12.9	22.4	14.9	0	20.2	33.1	0	17.3	15.0	43.9	0.4	0	19.3
Hartford	25.0	25.6	21.5	48.1	19.1	36.5	20.2	11.6	0	21.3	17.3	43.9	0	0	20.5
Litchfield	5.2	6.6	7.6	6.9	14.3	0	0	3.8	100	1.7	23.7	0	0	50.0	6.5
Middlesex	4.6	4.2	3.8	2.5	2.5	2.5	20.2	13.2	0	0	17.2	9.4	0.2	0	2.2
New Haven	24.0	24.0	26.0	14.2	46.9	15.5	36.3	11.3	0	37.2	24.2	1.7	1.2	50.0	44.6
New London	7.6	8.3	7.6	4.0	2.5	45.5	0	11.4	0	0.2	1.0	0.1	98.3	0	2.5
Tolland	4.2	4.4	6.2	1.0	0	0	3.2	14.6	0	3.1	1.4	0	0	0	1.4
Windham	3.3	2.7	14.5	0.9	0	0	0	1.0	0	19.3	0.2	0.9	0	0	3.1
Statewide	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

County level population was used to allocate Architectural Coatings, Traffic Markings, Industrial Maintenance Coatings and Other Special Purpose Coatings to Connecticut counties. County level employment was used to allocate other surface coating processes to Connecticut counties. The EPA tool implements county level apportionment using the following SCC to NAICS mappings to extract and process census employment data.

Table A-2: Surface Coating Solvent Utilization SCC to NAICS Mappings in Solvent Tool Employment based County Allocations

SCC	Solvent Tool Category Name	NAICS (where / represents a wildcard value)
2401005000	Automobile Refinishing	4411//, 4412//, and 81112/
2401015000	SC: Factory Finished Wood	321///
2401020000	SC: Wood Furniture and Fixtures	337110, 337121, 337122, 337127, 337211, 337212, and 337215
2401025000	SC: Metal Furniture	337124, 337127, 337214, and 337215
2401030000	SC: Paper, Film and Foil	322220
2401040000	SC: Metal Cans	33243/
2401055000	SC: Machinery and Equipment	3331//, 3332//, 3333//, and 33341/
2401060000	SC: Appliances	3352//
2401065000	SC: Electronic and Other Electrical Coatings	331318, 331420, 331491, 335311, 335921, and 335929
2401070000	SC: Motor Vehicles	3361//, 3362//, and 3363//
2401075000	SC: Aircraft	3364//
2401080000	SC: Marine coatings	3366// and 488390
2401085000	SC: Railroads	3365//
2401090000	SC: Misc. Manufacturing	3369// and 339///

Point source subtraction is handled using the EPA Solvent tool where Point SCCs are mapped to nonpoint SCCs.

The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.3.6 Asphalt Paving – Cutback and Emulsified

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-61-021-000	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Cutback Asphalt	Total: All Solvent Types
24-61-022-000	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Emulsified Asphalt	Total: All Solvent Types

Accepted EPA estimates that the annual emissions in Connecticut from cutback and emulsified asphalt are zero. Connecticut agrees with these estimates because Connecticut effectively prohibits the usage of cutback and emulsified asphalt containing greater than 0.1% VOC during the period of May 1st through September 30th in accordance with RCSA § 22a-174-20k.[82] For more information on these estimates, please refer to Section 4.22 of the 2014 NEI v2 TSD.[83] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.4 Agriculture

4.4.1 Crops & Livestock Dust

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-01-000-003	Miscellaneous Area Sources	Agriculture Production-Crops	Agriculture-Crops	Tilling
28-05-001-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Beef cattle-finishing operations on feedlots (drylots)	Dust Kicked-up by Hooves

Connecticut accepts the EPA Crops & Livestock Dust emissions estimates. For more information on these estimates, please refer to Section 4.3 of the 2014 NEI v2 TSD.[84] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on documents from the California Air Resources Board, the Midwest Research Institute, and the U.S Department of Agriculture Soil Characterization Database.[85, 86, 87]

[82] RCSA § 22a-174-20k, "Restrictions on VOC emissions from cutback and emulsified asphalt", https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-20

[83] U.S. Environmental Protection Agency. *Asphalt Paving.*2018. 2014 NEI V2 TSD. Pg. 4-231 to 4-242.

[84] U.S. Environmental Protection Agency. *Agriculture*.2018. 2014 NEI V2 TSD. Pg. 4-27 to 4-37.

[85] T.A. Cuscino, Jr., et al. 1981. "The Role of Agricaultural Practices in Fugitive Dust Emissions." June. https://www3.epa.gov/ttn/chief/old/ap42/ch09/s01/related/rel02_c09s01.pdf.

[86] Chatten Cowherd-Midwest Research Institute. 1996. "Memorandum from Chatten Cowherd of Midwest Research Institute, to Bill Kuykendal of the U.S. Environmental Protection Agency, Emission Factor and Inventory Group, and W.R. Barnard of E.H. Pechan & Associates, Inc." September.

[87] National Cooperative Soil Survey. 2015. *National Cooperative Soil Survey Soil Characterization Database.* Accessed September 2015. https://ncsslabdatamart.sc.egov.usda.gov

4.4.2 Livestock Waste

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-05-002-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Beef cattle production composite	Not Elsewhere Classified
28-05-007-100	Miscellaneous Area Sources	Agriculture Production-Livestock	Poultry production-layers with dry manure management systems	Confinement
28-05-009-100	Miscellaneous Area Sources	Agriculture Production-Livestock	Poultry production-broilers	Confinement
28-05-018-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Dairy cattle composite	Not Elsewhere Classified
28-05-025-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Swine production composite	Not Elsewhere Classified (see also 28-05-039, -047, -053)
28-05-030-007	Miscellaneous Area Sources	Agriculture Production-Livestock	Poultry Waste Emissions	Ducks
28-05-030-008	Miscellaneous Area Sources	Agriculture Production-Livestock	Poultry Waste Emissions	Geese
28-05-035-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Horses and Ponies Waste Emissions	Not Elsewhere Classified
28-05-040-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Sheep and Lambs Waste Emissions	Total
28-05-045-000	Miscellaneous Area Sources	Agriculture Production-Livestock	Goats Waste Emissions	Not Elsewhere Classified

Connecticut accepts the EPA Livestock Waste emissions estimates. For more information on these estimates, please refer to Section 4.5 of the 2014 NEI v2 TSD.[88] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on articles from Atmospheric Environmental.[89, 90, 91]

[88] U.S. Environmental Protection Agency. *Livestock Waste.*2018. 2014 NEI V2 TSD. Pg. 4-45 to 4-57.
[89] McQuilling, A. M. & Adams, P. J. 2015. "Semi-empirical process-based models for ammonia emissions from beef, swine, and pultry operations in the United States." Atmospheric Environmental 127-136.
[90] Pinder, R., Pekney, N., Davidson, C. & Adams, P. 2004. "A temporally and spatially resolved ammonia emissions inventory for dairy cows in the United States." Atmospheric Environment 3747-3756.
[91] Pinder, R., Pekney, N., Davidson, C. & Adams, P. 2004. "A process-based model of ammonia emissions from dairy cows improved temporal and spatial resolution." Atmospheric Environment 1357-1365.

4.4.3 Fertilizer Application

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-01-700-099	Miscellaneous Area Sources	Agriculture Production-Crops	Fertilizer Application	Miscellaneous Fertilizers

Connecticut accepts the EPA Fertilizer Application emissions estimates. For more information on these estimates, please refer to Section 4.4 of the 2014 NEI v2 TSD.[92] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on models such as Community Multiscale Air Quality (CMAQ v5.1), CMAQ FEST-C, Weather Research Forecast (WRF), and Environmental Policy Intigrated Climate (EPIC) model, as well as a Biogeosciences research article.[93, 94, 95, 96, 97]

4.4.4 Field Burning

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-01-500-000	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Unspecified crop type and Burn Method
28-01-500-141	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Bean (red): Headfire Burning
28-01-500-150	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Corn: Burning Techniques Not Important
28-01-500-151	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Double Crop Winter Wheat and Corn
28-01-500-152	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	DoubleCrop Corn and Soybeans
28-01-500-160	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Cotton: Burning Techniques Not Important
28-01-500-170	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Grasses: Burning Techniques Not Important
28-01-500-171	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Fallow

[92] U.S. Environmental Protection Agency. *Fertilizer Application.* 2018. 2014 NEI V2 TSD. Pg. 4-37 to 4-45.
[93] Univeristy of North Carolina Community Modeling Analysis System Center. 2015. Community Multiscale Air Quality (CMAQ) Version 5.1. https://www.cmascenter.org/cmaq/.
[94] University of North Carolina Community Modeling Anaysis System Center. 2015. FEST-C. https://www.cmascenter.org/fest-c/.
[95] National Center for Atmospheric Research. 2015. Weather Research and Forecasting Model. https://www.mmm.ucar.edu/weather-research-and-forecasting-model.
[96] Texas Agriculture and Mechanical University. 2015. EPIC & APEX Models. https://epicapex.tamu.edu/.
[97] Cooter, E. J., Bash, J. O., Benson, V., and Ran, L. 2012. "Linking agricultural crop management and air quality models for regional to national-scale nitrogen assessments." Biogeosciences (9): 4023-4035. doi:https://doi.org/10.5194/bg-9-4023-2012.

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-01-500-220	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Rice: Burning Techniques Not Significant
28-01-500-250	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Sugar Cane: Burning Techniques Not Significant
28-01-500-262	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Wheat: Backfire Burning
28-01-500-263	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	DoubleCrop Winter Wheat and Cotton
28-01-500-264	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	DoubleCrop Winter Wheat and Soybeans

Connecticut accepts the EPA agricultural field burning emissions estimates. For more information on these estimates, please refer to Section 4.4 of the 2014 NEI v2 TSD.[98] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

According to the Connecticut Department of Agriculture, the activity as described in the EPA Procedures document does not occur in Connecticut. Connecticut General Statutes (CGS) and Regulations of Connecticut State Agencies Section 22a-174(f) authorizes open burning of brush for agricultural purposes when a permit is obtained from the Open Burning Official for that municipal, except if prohibited by an ordinance of the municipality.

All agricultural burning that occurs in Connecticut are accounted for in this document under Section 4.9.2 Open Burning Tool.

4.4.5 Pesticide

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-61-850-000	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Pesticide Application: Agricultural	All Processes

Connecticut accepts the EPA agricultural Pesticide emissions estimates. For more information on these estimates, please refer to Section 4.21 of the 2014 NEI v2 TSD. [99] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[98] U.S. Environmental Protection Agency. *Fertilizer Application.* 2018. 2014 NEI V2 TSD. Pg. 4-37 to 4-45.
[99] U.S. Environmental Protection Agency. *Agricultural Pesticides.* 2018. 2014 NEI V2 TSD. Pg. 4-209 to 4-231.

The EPA 2014 NEI activity data for the State of Connecticut was based on EPA document Pesticides-Agricultural and Nonagricultural, information from the California Department of Pesticide Regulation, and estimates from the U.S. Geological Survey.[100, 101, 102]

4.5 Dust

4.5.1 Paved Roads

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-94-000-000	Mobile Sources	Paved Roads	All Paved Roads	Total: Fugitives
22-94-000-002	Mobile Sources	Paved Roads	All Paved Roads	Total: Sanding/ Salting-Fugitives

Connecticut accepts EPA's dust-paved road emissions estimates. For more information on these estimates, please refer to Section 4.9 of the 2014 NEI v2 TSD. The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on statistics from the U.S. Federal Highway Administration and a report by E.H. Pechan & Associates on regional particulate strategies.[103, 104, 105]

The EPA Emissions Factor for Paved Roads was based on AP-42, Section 13.2.1.[106]

4.5.2 Unpaved Roads

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-96-000-000	Mobile Sources	Unpaved Roads	All Unpaved Roads	Total: Fugitives

[100] U.S. Environmental Protection Agency. 2001. "Section 5.1.2, Default Volitile Organic Component of Pesticide Applied." Emission Inventory Improvement Program. Vols. 3, Chapter 9, Pesticides-Agricultural and Nonagricultural. https://www.epa.gov/sites/production/files/2015-08/documents/iii09_jun2001.pdf#page=53.
[101] California Department of Pesticide Regulation. 2015. Emission Potenital Database. Accessed January 2016. CDPR_Emission_Potential_Database_10_2015.xlsx.
[102] Baker, Nancy. 2013. Preliminary estimates of annual agricultural pesticide use for counties of the conterminous United States, 2013. https://pubs.er.usgs.gov/publication/ofr20151176, U.S. Geologic Survey.
[103] Federal Highway Administration. 2013. Highway Statistics 2013. Accessed September 2015. https://www.fhwa.dot.gov/policyinformation/statistics/2013/.
[104] Federal Highway Administration. 1996. "Highway Statistics 1996 (Table HM-67)." December. https://www.fhwa.dot.gov/ohim/1996/text/roads.html.
[105] E.H. Pechan & Associates, Inc. 1995. Phase II Regional Particulate Strategies; Task 4: Particulate Control Technology Characterization. U.S. Environmental Protction Agency.
[106] U.S. Environmental Protection Agency. 2001. AP-42 Section 13.2.1. Paved Roads. 5th Edition. Vols. I, Chapter 13: Miscellaneous Sources. https://www.epa.gov/sites/production/files/2020-10/documents/13.2.1_paved_roads.pdf.

Connecticut accepts the EPA dust-unpaved road emissions estimates. For more information on these estimates, please refer to Section 4.10 of the 2014 NEI v2 TSD.[107] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on statistics from U.S. Federal Highway Administration and with information from the 2011 EPA NEI v2 TSD.[108, 109]

The EPA Emissions Factor for Unpaved Roads was based on EPA Compilation of Air Pollutant Emission Factors, AP-42, Section 13.2.2.[110]

4.5.3 Construction Dust

4.5.3.1 Non-Residential Construction

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-11-020-000	Industrial Processes	Construction: SIC 15-17	Industrial/Commercial/ Institutional	Total

Connecticut accepts the EPA non-residential construction emissions estimates. For more information on these estimates, please refer to Section 4.8 of the 2014 NEI v2 TSD.[111] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on data from the U.S. Census Bureau.[112, 113, 114]

[107] U.S. Environmental Protection Agency. *Upaved Road Dust.* 2018. 2014 NEI V2 TSD. Pg. 4-85 to 4-90.
[108] Federal Highway Administration. 1996. "Highway Statistics 1996 (Table HM-67)." December. https://www.fhwa.dot.gov/ohim/1996/text/roads.html.
[109] U.S. Environmental Protection Agency. 2015. 2011 National Emissions Inventory Version 2 Technical Support Document. August. https://www.epa.gov/sites/production/files/2015-10/documents/nei2011v2_tsd_14aug2015.pdf.
[110] U.S. Environmental Protection Agency. 2006. AP-42 Section 13.2.2 Unpaved Roads. 5th Edition. Vols. I, Chapter 13: Miscellaneous Sources. November. Accessed January 2011. https://www.epa.gov/sites/production/files/2020-10/documents/13.2.2_unpaved_roads.pdf.
[111] U.S. Environmental Protection Agency. *Upaved Road Dust.* 2018. 2014 NEI V2 TSD. Pg. 4-70 to 4-79.
[112] U.S. Census Bureau. 2014. Value of Construction Put in Place at a Glance. Accessed September 2015. https://www.census.gov/construction/c30/c30index.html.
[113] U.S. Census Buerau. 2014. County Business Patterns (Complete County File- 14.4 mb zip file). Accessed August 2016. https://www.census.gov/data/datasets/2014/econ/cbp/2014-cbp.html.
[114] U.S. Census Bureau. 2014. Constant Quality Index of New Single Family Houses Under Construction. Accessed September 2015. https://www.census.gov/construction/nrs/pdf/price_uc.pdf.

The EPA emissions factor for Industrial Processes was based on reports from the Midwest Research Institute and the U.S. Department of Agriculture Soil Characterization Database.[115, 116, 117, 118]

Labor data utilized for allocation of emissions to county level were verified against employment data obtained from the U.S. Bureau of Labor Statistics (BLS) EMP-2014 in Table 4-14 below, paired with EPA-utilized employment survey data which accounts for the absolute number of employees in NAICS code 2362). The two data sets does not exactly match, however, the percent allocated to each county does not vary considerably between the two data sets.

Table A-1: Employment Data for Non-Residential Construction- NAICS 2362

County	EPA Data	BLS Emp-2014	EPA%	BLS%
Fairfield	1200	1327	24%	26%
Hartford	1259	1577	26%	31%
Litchfield	175	192	4%	4%
Middlesex	375	211	8%	4%
New Haven	992	1132	20%	22%
New London	644	376	13%	7%
Tolland	216	129	4%	3%
Windham	60	125	1%	2%
Statewide	**4921**	**5067**	**1**	**1**

4.5.3.2 Residential Construction

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-11-010-000	Industrial Processes	Construction: SIC 15-17	Residential	Total

Connecticut accepts the EPA residential construction emissions estimates. For more information on these estimates, please refer to Section 4.8 of the 2014 NEI v2 TSD.[119] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[115] Midwest Research Institute. 1999. "Estimating Particulate Matter Emissions from Construction Operations, Final Report (Prepared for the EPA Emission Factor and Inventory Group)." Prepared for the EPA Emission Factor and Inventory Group.
[116] Midwest Research Institute. 1996. "Improvement of Specific Emissions Factors (BACM Project No. 1)." Prepared for South Coast AQMD.
[117] Midwest Research Institute. 2006. Background Document for Revisions to Fine Fraction Rations Used for AP-42 Fugitive Dust Emissions Factors (Prepared for Western Governors' Association). November. https://www3.epa.gov/ttn/chief/ap42/ch13/bgdocs/b13s02.pdf#page=8.
[118] 118. National Cooperative Soil Survey. 2015. National Cooperative Soil Survey Soil Characterization Database. Accessed September 2015. https://ncsslabdatamart.sc.egov.usda.gov/.
[119] U.S. Environmental Protection Agency. *Upaved Road Dust*. 2018. 2014 NEI V2 TSD. Pg. 4-70 to 4-79.

The EPA 2014 NEI activity data for the State of Connecticut was based on information for New Privately Owned Housing Units from the U.S. Census Bureau.[120, 121, 122] A portion of the Housing Units data was verified to match citation data.

The EPA emissions factor for Residential Construction was based on information from the U.S. Census Bureau, reports from the Midwest Research Institute, and the U.S. Department of Agriculture Soil Characterization Database.[123, 124, 125, 126] Verified EPA emissions factor was pulled correctly from citation.

4.5.3.3 Road Construction

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-11-030-000	Industrial Processes	Construction: SIC 15-17	Road Construction	Total

Connecticut accepts the EPA road construction emissions estimates. For more information on these estimates, please refer to Section 4.8 of the 2014 NEI v2 TSD.[127] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on statistics from the U.S. Federal Highway Administration and the U.S. Census Bureau.[128, 129]

The EPA emissions factor for Road Construction was based on a report from the Midwest Research Institute and the U.S. Department of Agriculture Soil Characteristic Database.[130, 131]

[120] U.S. Census Bureau. 2014. New Privately Owned Housing Units Authorized. Accessed 2015. https://www.census.gov/construction/bps/txt/tb2u2014.txt.
[121] U.S. Census Bureau. 2014. New Privately Owned Housing Units Started by Purpose and Design. Accessed September 2015. https://www.census.gov/construction/nrc/pdf/ quarterly_starts_completions.pdf.
[122] U.S. Census Bureau. 2015. "Annual Housing Units Authorized by Building Permits CO2014A."
[123] U.S. Census Bureau. 2014. Characteristics of New Single-Family Houses Completed. Accessed September 2015. https://www.census.gov/construction/chars/completed.html.
[124] Chatten Cowheard- Midwest Research Institute. 2015. "Proposed Revisions to Fine Fraction Ratios Used for AP-42 Fugitive Dust Emissions Factors." Accessed September 2015. https://gaftp.epa.gov/Air/nei/ei_conference/EI15/session14/cowherd_pres.pdf .
[125] Midwest Research Institute. 1996. "Improvement of Specific Emissions Factors (BACM Project No. 1)." Prepared for South Coast AQMD.
[126] National Cooperative Soil Survey. 2015. National Cooperative Soil Survey Soil Characterization Database. Accessed September 2015. https://ncsslabdatamart.sc.egov.usda.gov/.
[127] U.S. Environmental Protection Agency. Upaved Road Dust. 2018. 2014 NEI V2 TSD. Pg. 4-70 to 4-79.
[128] Federal Highway Administration. 2016. Highway Statistics 2014. February. Accessed July 2016. https://www.fhwa.dot.gov/policyinformation/statistics/2014/sf12a.cfm.
[129] U.S. Census Bureau. 2014. New Privately Owned Housing Units Authorized. Accessed 2015. https://www.census.gov/construction/bps/txt/tb2u2014.txt.
[130] Midwest Research Institute. 1996. "Improvement of Specific Emissions Factors (BACM Project No. 1)." Prepared for South Coast AQMD.
[131] National Cooperative Soil Survey. 2015. National Cooperative Soil Survey Soil Characterization Database. Accessed September 2015. https://ncsslabdatamart.sc.egov.usda.gov/.

4.6 Oil and Gas Production

Appendix H Table H-13 provides a listing of areas source oil and gas production SCCs used in the 2014 NEI. The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

Connecticut does not have oil and gas production activity within the state, but a single oil and gas production SCC (3-10-003-07) was assigned to a natural gas distribution facility in Connecticut. This single process assignment was for source E0001 - Station Emergency Shutdown Device Natural Gas Venting at Iroquois Pipeline Operating Co facility (EIS Identifier 14621711, EIS State Identifier T028P0049C08044).

Connecticut accepts EPA's estimates for Connecticut's oil and gas production source category. EPA county level emissions estimates for Connecticut's oil and gas production source category are presented in Appendix I when emissions estimates were zero emissions for all pollutants and all counties.

4.7 Other Industrial Processes and Residential Charcoal Grilling

4.7.1 Mining and Quarrying

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-25-000-000	Industrial Processes	Mining and Quarrying: SIC 14	All Processes	Total

Connecticut accepts the EPA Industrial Processes–Mining and Quarrying emissions estimates.. For more information on these estimates, please refer to Section 4.15 of the 2014 NEI v2 TSD.[132] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on the U.S. Geologic Survey 2012 Minerals Yearbook.[133] The 2012 Minerals Yearbook was downloaded and reviewed for Connecticut activity. The data utilized to calculate emissions in the EPA EIS spreadsheets closely matches the data downloaded from the USGS Mineral Yearbook 2012.

State	Metal Production [Thousand Metric Tons]	Mineral Production [Thousand Metric Tons]	EPA EIA–Total Mineral Production [Thousand Metric Tons]	USGS–Mineral Yearbook 2012 [Thousand Metric Tons]
Connecticut	7,222	6,517	13,739	13,800

[132] U.S. Environmental Protection Agency. *Mining and Quarrying*. 2018. 2014 NEI V2 TSD. Pg. 4-147 to 4-154.
[133] U.S. Geologic Survery. 2012. "2012 Minerals Yearbook." Accessed July 2015. https://www.usgs.gov/centers/nmic/mining-and-quarrying#myb.

4.7.2 Commercial Cooking

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
23-02-002-100	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Charbroiling	Conveyorized Charbroiling
23-02-002-200	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Charbroiling	Under-fired Charbroiling
23-02-003-000	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Frying	Deep Fat Frying
23-02-003-100	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Frying	Flat Griddle Frying
23-02-003-200	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking-Frying	Clamshell Griddle Frying

Connecticut accepts the EPA Commercial Cooking emissions estimates. For more information on these estimates, please refer to Section 4.7 of the 2014 NEI v2 TSD.[134] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2014 NEI activity data for the State of Connecticut was based on data from the U.S. Census Bureau.[135]

The EPA emissions factor for Commercial Cooking was based on information from the California Air Resources Board and the EPA SPECIATE Database v4.5.[136, 137]

4.7.3 Residential Charcoal Grilling

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-10-025-000	Miscellaneous Area Sources	Other Combustion	Residential Grilling*	Total

*See 23-02-002-XXX for Commercial

Connecticut accepts the EPA Residential Charcoal Grilling emissions estimates. For more information on these estimates, please refer to Section 4.17 of the 2014 NEI v2 TSD.[138] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[134] U.S. Environmental Protection Agency. *Comercial Cooking*. 2018. 2014 NEI V2 TSD. Pg. 4-64 to 4-70.
[135] U.S. Census Buerau. 2014. County Business Patterns (Complete County File- 14.4 mb zip file). Accessed August 2016. https://www.census.gov/data/datasets/2014/econ/cbp/2014-cbp.html.
[136] U.S. Census Buerau. 2014. County Business Patterns (Complete County File- 14.4 mb zip file). Accessed August 2016. https://www.census.gov/data/datasets/2014/econ/cbp/2014-cbp.html.
[137] U.S. Environmental Protection Agency. 2016. SPECIATE Database v4.5. https://gaftp.epa.gov/Air/nei/2014/doc/2014v2_supportingdata/nonpoint/.
[138] U.S. Environmental Protection Agency. *Residential Charcoal Grilling*. 2018. 2014 NEI V2 TSD. Pg. 4-166 to 4-170

The EPA 2014 NEI activity data for the State of Connecticut was based on data from the U.S. Census Bureau and reports from the Hearth, Patio, & Barbecue Association.[139, 140, 141, 142, 143]

The EPA emissions factor for Charcoal Grilling was based on South Coast Air Quality Management District Rule 1174, data from the U.S. Census Bureau, and reports from the Hearth, Patio, & Barbecue Association.[144, 145, 146, 147] Note that the American Fact Finder query tool has since been decommissioned and comparable data can be retrieved from https://data.census.gov/.

4.8 Prescribed Burning and Wildfires (Events)

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-10-001-001	Miscellaneous Area Sources	Other Combustion-as Event	Forest Wildfires	Smoldering
28-10-001-002	Miscellaneous Area Sources	Other Combustion-as Event	Forest Wildfires	Flaming
28-11-015-001	Miscellaneous Area Sources	Other Combustion-as Event	Prescribed Forest Burning	Smoldering
28-11-015-002	Miscellaneous Area Sources	Other Combustion-as Event	Prescribed Forest Burning	Flaming

EPA provides wildlife fire estimates for the four SCCs listed above. Connecticut accepts these emissions estimates. For event type source categories (prescribed burning and wildfires) emissions were taken from the csv file, 2014neiv2_eventfires_countyscc.csv. The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA used an improved satellite-based approach and added a distinction between grass and pasture burning processes. For wildfires and prescribed fires, EPA used 2014-specific satellite data, and collected 2014-specific ground based observational data from many state forestry agencies. For these fires, EPA also estimated the flaming and smoldering

[139] https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018 .pdf
[140] U.S. Census Bureau. 2014. Selected Housing Characteristics, American Community Survey 5-Year Estimates. Accessed April 2015. https://factfinder.census.gov/faces/nav/jsf/ pages/index.xhtml#none.
[141] Hearth, Patio & Barbecue Association. 2011. "2011 State of the Barbecue Industry Report." Accessed 2015. https://www.hpba.org/Resources/PressRoom/ID/79/2011-State-of-the-Hearth-Industry-Report.
[142] Hearth, Patio & Barbecue Association. 2014. "2014 State of the Barbecue Industry Report." Accessed April 2015. https://www.hpba.org/.
[143] Hearth, Patio & Barbecue Assocation. 2014. Statistics, BBQ Grill Shipments. Accessed April 2015. https://www.hpba.org/Resources/Market-Research-Reports/view?barbecue-statistics=CopyofBBQGrillShipments8513.pdf.
[144] South Coast Air Quality Managment District. 1990. "Rule 1174: Control of Volatile Organic Compound Emissions from the Ignition of Barbecue Charcoal." October. Accessed May 2015. http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1174.pdf.
[145] U.S. Census Bureau. 2014. Selected Housing Characteristics, American Community Survey 5-Year Estimates. Accessed April 2015. https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml#none.
[146] U.S. Census Bureau. 2014. Housing Characteristics, American Community Survey 5-Year Estimates (DP04) Counties. https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_13_5YR_DP04&prodType=table.
[147] Hearth, Patio & Barbecue Association. 2011. "2011 State of the Barbecue Industry Report." Accessed 2015. https://www.hpba.org/Resources/PressRoom/ID/79/2011-State-of-the-Hearth-Industry-Report.

components of emissions separately and retained this delineation in the final inventory. Finally, EPA revised several HAP emissions factors based on the peer reviewed literature.

Wildfires and prescribed burns (Wildland Fires in sum, WLFs) that occur during the inventory year are included in the NEI as event sources. Emissions from these fires, as well as agricultural fires, make up the National Fire Emissions Inventory (NFEI). For the 2014 NFEI, the EPA calculated emissions from agricultural fires separately from WLF emissions as described separately in Section 4.11 of the 2014 NEI v2 TSD.[148]

This portion of the document describes the calculation of WLF emissions portion of the 2014 NEI. Estimated emissions from wildfires and prescribed burns in the 2014 NEI (are calculated from burned area data. Input data sets are collected from State, Local and Tribal agencies and from national agencies and organizations. State, Local, and Tribalagencies that provide input data were also asked to complete the NEI Wildland Fire Inventory Database Questionnaire, which consists of a self-assessment of data completeness. Raw burned area data compiled from State, Local, and Tribal agencies and national data sources are cleaned and combined to produce a comprehensive burned area data set.

Emissions are then calculated using fire emissions models that rely on burned area as well as fuel and weather information. The resulting emissions are compiled by date and location. For purposes of emissions inventory preparation, wildland fire (WLF) is defined as “any non-structure fire that occurs in the wildland (an area in which human activity and development are essentially non-existent, except for roads, railroads, power lines, and similar transportation facilities).

Wildland fire activity is categorized by the conditions under which the fire occurs. These conditions influence important aspects of fire behavior, including smoke emissions. In the 2014 NEI, data processing is conducted differently depending on the fire type, as defined below: Wildfire (WF): “any fire started by an unplanned ignition caused by lightning; volcanoes; other acts of nature; unauthorized activity; or accidental, human-caused actions, or a prescribed fire that has developed into a wildfire.”

Prescribed (Rx) fire: “any fire intentionally ignited by management actions in accordance with applicable laws, policies, and regulations to meet specific land or resource management objectives.” Prescribed fire is one type of fuels treatment. Fuels treatments are vegetation management activities intended to modify or reduce hazardous fuels. Fuels treatments include prescribed fires, wildland fire use, and mechanical treatment.

Agricultural burning is a type of prescribed fire, specifically used on land used or intended to be used for raising crops or grazing. This is dealt with in a different section of this document. Pile burning is a type of prescribed fire in which fuels are gathered into piles before burning. In this type of burning, individual piles are ignited separately. Pile burn emissions are not currently included in the NEI due to lack of usable data and methods. EPA continues to work to develop methods for estimating emissions of this source type.

4.9 Waste Disposal & Recycling

4.9.1 Greenwaste Composting

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-80-003-000	Waste Disposal, Treatment, and Recovery	Composting	Greenwaste	All Processes

[148] U.S. Environmental Protection Agency. *Agricultural Field Burning*. 2018. 2014 NEI V2 TSD. Pg. 4-91 to 4-99.

The zip file referenced in the EPA TSD Information pertaining to Composting estimates can be found in the 2014 NEI v2 TSD Support file on Composting. This document defines EPA Greenwaste composting as including the diversion of yard waste, food waste, and other biogenic waste(not included in this estimate) from landfills to composting facilities. This source category does not include the composting of biosolids from wastewater treatment plants, manure management facilities, or backyard composting.[149]

Table A-1: Food waste composting in Connecticut

State	Food Composted [Tons]	Data Year
Connecticut	4,644	2013

The EPA county allocation was based on the number of landfill employees per county under the assumption that greenwaste composting facilites are co-located with solid waste landfills. In the absence of exact employment data, a facility is given a code in the U.S Census Buerau's 2016 County Business Paterns that corresponds to a range that the number falls within for NAICS Code 562212. The EPA recommends using the midpoint of the range to assign the county allocation.[150]

Connecticut accepted the EPA's estimates for the greenwaste composting source category in Connecticut. The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.9.2 Open Burning Tool

4.9.2.1 Yard Waste – Brush and Leaves

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-10-000-100	Waste-Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste-Leaf Species Unspecified
26-10-000-400	Waste-Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste-Brush Species Unspecified

Section 4.24 of the 2014 NEI v2 TSD describes open burning of yard waste debris as "the purposeful burning of leaf and brush species in outdoor areas". Emissions estimates for leaf and brush waste burning are a function of the amount of waste burned per year.[151]

Connecticut accepted the EPA's estimates for the open burning of brush in Connecticut. Connecticut updated county level emissions to reflect zero activity and zero emissions in Connecticut for open burning of leaf debris consistent with Connecticut regulations.

Connecticut regulates open burning under CGS 22a-174-f which requires permits for open burning to be issued prior to open burning activities in Connecticut.[152] Connecticut regulations forbid the burning of leaves. Connecticut regulations do

[149] U.S. Environmental Protection Agency. 2014. Compost Supporting Data (Document). https://gaftp.epa.gov/air/nei/2014/doc/2014v2_supportingdata/nonpoint/Compost%204.1.zip.
[150] U.S. Census Buerau. 2014. County Business Patterns (Complete County File- 14.4 mb zip file). Accessed August 2016. https://www.census.gov/data/datasets/2014/econ/cbp/2014-cbp.html.
[151] U.S. Environmental Protection Agency. *Open Burning*. 2018. 2014 NEI V2 TSD. Pg. 4-251 to 4-262.
[152] CGS § 22a-174-f. 2011. Power of Commissioner. https://www.cga.ct.gov/current/pub/chap_446c.htm#sec_22a-174.

allow the burning of small brush. For these reasons Connecticut set the emissions from the burning of leaves to zero and accepted EPA's estimates for the burning of brush.

The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2. The leaf emissions estimates for open burning of leaves are zero, which is consistent with Connecticut regulations.

4.9.2.2 Open Burning of Land Clearing Debris

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-10-000-500	Waste-Disposal, Treatment, and Recovery	Open Burning	All Categories	Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)

Section 4.24 of the 2014 NEI v2 TSD describes open burning of land clearing debris as "the purposeful burning of debris, such as trees, shrubs, and brush, from the clearing of land for the construction of new buildings and highways". Emissions estimates from open burning of land clearing debris are a function of the amount of material or fuel subject to burning per year.[153]

Connecticut accepted the EPA's county level emissions estimates, which reflect zero activity and zero emissions in Connecticut for open burning of land clearing debris consistent with Connecticut state regulations.

Connecticut regulates open burning under CGS 22a-174-f. Open burning to clear land of debris is not allowed and a permit must be issued prior to other types of open burning activities which are allowed in Connecticut.[154]

The nonpoint emissions estimates in Appendix I are zero for this SCC, consistent with Connecticut regulations.

4.9.2.3 Household Waste

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-10-030-000	Waste-Disposal, Treatment, and Recovery	Open Burning	Residential	Household Waste (use 26-10-000-XXX for Yard Wastes)

Section 4.24 of the 2014 NEI v2 TSD describes open burning of residential municipal solid waste (MSW) as "the purposeful burning of MSW in outdoor areas". EPA Emissions estimates for MSW burning are a function of the amount of waste burned annually per capita.[155]

Connecticut updated nonpoint county level emissions for SCC 26-10-030-000 to reflect zero activity and zero emissions for Connecticut open burning of residential municipal solid waste consistent with Connecticut state regulations.

Connecticut regulates open burning under CGS 22a-174-f Open burning for MSW is not allowed and a permit must be issued prior to other types of open burning activities which are allowed in Connecticut.[156]

[153] U.S. Environmental Protection Agency. Open Burning. 2018. 2014 NEI V2 TSD. Pg. 4-251 to 4-262.
[154] CGS § 22a-174-f. 2011. Power of Commissioner
[155] U.S. Environmental Protection Agency. Open Burning. 2018. 2014 NEI V2 TSD. Pg. 4-251 to 4-262.
[156] CGS § 22a-174-f. 2011. Power of Commissioner

The nonpoint emissions estimates presented in Appendix I are zero for this SCC, consistent with Connecticut state regulations.

4.9.3 Publicly Owned Treatment Works (POTW)

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-30-020-000	Waste-Disposal, Treatment, and Recovery	Wastewater Treatment	Public Owned	Total Processed

Connecticut accepted the EPA estimates with a slight modification related to subtracting out the emissions already accounted for in the point source section. For more information on these estimates, please refer to Section 4.25 of the 2014 NEI v2 TSD.[157] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

Emissions per county for a given pollutant were computed by multiplying the pollutant emissions factors (lb/million gallons) by each county flow rate (million gallons). POTW point source emissions were not subtracted from the total nonpoint emissions for Connecticut.

EPA directed states to review specific SCC data for POTW point source subtraction (SCCs 5-01-007-01 through 5-01-007-81 and 5-01-007-91 through 5-01-825-99). A search of the EMIT database was conducted for these SCCs for the 2014 reporting period and five sources were identified, listed below in Table 4-19. The two sources in Litchfield were eliminated from POTW point source subtraction, because an industrial waste water point SCC rather than a POTW SCC should have been applied to those sources.

Table A-1: POTW Point Source Subtraction Facility with Emission Unit Point Identifier

Site Name	County Name	Point Identifier	SCC
MDC /Hartford WPCF	Hartford	E0002	5-01-007-01
MDC /Hartford WPCF	Hartford	E0003	5-01-007-01
Manchester-Landfill Premises	Hartford	E0009	5-01-007-01
Kimberly-Clark Corp.	Litchfield	E0013	5-01-007-01
Kimberly-Clark Corp.	Litchfield	E0014	5-01-007-01

The total annual and summer day POTW emissions reported for 2014 emissions statement reporting are shown below. These estimates would normally have been addressed via activity adjustments in Connecticut's input to the NEI, but this did not fit in the available schedule and an emissions-based reconciliation is applied in the emissions estimates for this document. The ozone related pollutant impact is not large, but elimination of double counting of emissions is performed as a procedural element of preparing an accurate emissions inventory. The emissions presented in Appendix I reflect a subtraction of these emissions amounts or a zero value when reported point emissions are greater than the estimated nonpoint county estimate.

[157] U.S. Environmental Protection Agency. *Nonpoint POTWs*. 2018. 2014 NEI V2 TSD. Pg. 4-262 to 4-264.

Table A-2: 2014 Annual POTW Point Source Reported Emissions

County	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Hartford	12.22	0	0	0	0	0	206.02	0

Table A-3: 2014 Summer Day POTW Point Source Reported Emissions

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Hartford	83.44	0	0

4.9.4 Emissions Calculated by EPA's Mercury Tool – Human Cremation

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-20-030-001	Waste Disposal, Treatment, and Recovery	Landfills	Municipal	Dumping/Crushing/ Spreading of New Materials (working face)
26-50-000-000	Waste Disposal, Treatment, and Recovery	Scrap and Waste Materials	Scrap and Waste Materials	Total: All Processes
26-50-000-002	Waste Disposal, Treatment, and Recovery	Scrap and Waste Materials	Scrap and Waste Materials	Shredding
28-10-060-100	Miscellaneous Area Sources	Other Combustion	Cremation	Humans
28-10-060-200	Miscellaneous Area Sources	Other Combustion	Cremation	Animals
28-50-001-000	Miscellaneous Area Sources	Health Services	Dental Alloy Production	Overall Process
28-51-001-000	Miscellaneous Area Sources	Laboratories	Bench Scale Reagents	Total
28-61-000-000	Miscellaneous Area Sources	Fluorescent Lamp Breakage	Non-recycling Related Emissions	Total
28-61-000-010	Miscellaneous Area Sources	Fluorescent Lamp Breakage	Recycling Related Emissions	Total

EPA includes the following mercury emission categories under the heading of nonpoint non-combustion-related mercury sources. Landfills (working face), Switches and Relays, Fluorescent Lamp Breakage, Dental Amalgam, General Laboratory Activities, Thermostats, Thermometers, Fluorescent Lamp Recycling, and Batteries are described in Section 4.2 of the 2014 NEI v2 TSD. Human and animal cremation estimates include CAPs as well as mercury and are discussed later inSection 4.26 of the 2014 NEI v2 TSD.

Point source reconciliation for crematory emissions is not required for 2014 emissions estimates. While Connecticut has permitted human and animal crematories, human and animal crematory emissions were not reported in the stationary point sources inventory.

Connecticut accepts EPA emissions estimates for emissions calculated by the EPA's Mercury Tool. For more information on these estimates, please refer to Section 4.26 of the 2014 NEI v2 TSD.[158] The annual estimates for this sector in 2014 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.9.5 CT Landfill Emissions Estimates

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
26-20-030-000	Waste Disposal, Treatment, and Recovery	Landfills	Municipal	Total

Methane (CH_4) and carbon dioxide (CO_2) are the primary constituents of landfill gas and are produced by anaerobic decompositions of refuse in solid waste landfills. Landfill gas also contains a very small amount of non-methane organic compounds (NMOC). This NMOC fraction contains photochemically reactive and non-reactive VOC. The AP-42 Section 2.4 guidance for estimating VOC emissions from MSW landfills, released November, 1998 was used to estimate the emissions for this category (26-20-030-000-Municipal Solid Waste Landfills).[159]

CT DEEP created an inventory of VOC emissions from MSW landfills as an initial step in the implementation of the emissions guidelines and new source performance standards for MSW landfills (MSW landfills compliance study).[160] This inventory contains the following information for each landfill in Connecticut: an estimate of the waste in place; the year the landfill opened; the year it was closed if it is no longer accepting waste; whether the landfill accepted industrial hazardous waste; and the amount of NMOC emitted in 1999. The NMOC emissions estimates in the MSW landfills compliance study used the regulatory default value for total NMOC of 4,000 ppmv, expressed as hexane. This regulatory default value was developed for regulatory compliance purposes and should not be used to estimate actual emissions.

The intent of the Periodic Inventory is to estimate actual emissions. AP-42 Section 2.4 lists default NMOC concentrations for the purpose of estimating actual emissions depending on the type of waste the landfill accepted. According to AP-42, if no site specific data are available and the landfill is known to have co-disposed of MSW and non-resident waste, a default (NMOC) value of 2,420 ppmv as hexane, should be used to estimate actual emissions. If the landfill is known to contain only MSW or have very little organic commercial/industrial wastes, then the total NMOC value of 595 ppmv as hexane should be used. In addition, for co-disposal landfills, AP-42 estimates that 85% of the NMOC is made up of photochemically reactive VOC. For non-codisposal landfills only 39% of the NMOC are made up of photochemically reactive VOC. In the MSW landfills compliance study, facilities which reported receiving industrial hazardous waste were considered co-disposal landfills. All other facilities were considered non-codisposal. The same designation will be used for this inventory. If a facility reported receiving industrial hazardous waste then a default VOC value of 2,060 ppmv as hexane was used. For all other landfills a VOC value of 235 ppmv as hexane was used.[161]

The amount of waste in place at each landfill was obtained from the MSW landfills compliance study. There were five landfills that reported the amount of ash in place (Hartford, New Haven, Groton, Bristol, and Shelton). In the MSW landfills

[158] U.S. Environmental Protection Agency. *Human Cremation*. 2018. 2014 NEI V2 TSD. Pg. 4-264 to 4-265.
[159] U.S. Environmental Protection Agency. 1998. AP-42 Section 2.4 Municipal Waste. 5th Edition. Vols. 2, Chapter 2: Solid Waste Disposal.
[160] Koschwitz, Scott. 1998. Description of Establishment of Municipal Solid Waste Landfill Inventory. Connecticut Department of Environmental Protection.
[161] U.S. Environmental Protection Agency. 1998. AP-42 Section 2.4 Municipal Waste. 5th Edition. Vols. 2, Chapter 2: Solid Waste Disposal. https://www.epa.gov/sites/production/files/2020-10/documents/c02s04.pdf.

compliance study the amount of waste in place at these five landfills included the ash.[162] Since ash is a nondegradable refuse, the amount of ash was subtracted from the amount of waste in place for these five landfills. The Montville SCRRA Ash landfill contains only ash, therefore, the amount of waste in place was set to zero.

In 2014 there was only one landfill in Connecticut accepting MSW), the Windsor-Bloomfield landfill. This landfill stopped accepting MSW in 2015. There were 8 landfills that actively accepted construction and demolition waste but no MSW in 2014. These landfills are as follows: Avon; Canaan; Essex; Lyme; Manchester; North Stonington; Salem; Suffield. It was assumed for the purpose of estimating emissions that these 8 landfills were closed when they stopped accepting MSW.

To determine the average annual refuse acceptance rate (R) the waste in place (not including the ash) was divided by the number of years the landfill accepted waste.

It was assumed that landfills emit NMOC 365 days uniformly throughout the year.

The annual estimates for this sector in 2014 are presented in Table I-1 and the estimates for a typical summer day are presented in Table I-2.

Equations 1, 3, and 4 in AP-42 Section 2.4 were combined resulting in the following equation, which was used to estimate the daily NMOC emissions from landfills in Connecticut: [163]

$$E_{unctrl} = (7.062 \times 10^{-9}) \times L \times R \times VOC \times \left(e^{(-kc)} - e^{(-kt)} \right) \times \left(\frac{2{,}000\ lbs\ per\ ton}{365\ days\ per\ year}\right)$$

Where:

E_{unctrl}= uncontrolled mass emissions of VOC as hexane, lbs/day

7.062 x10^{-9}= conversion factor, assuming 55% of landfill gas is CH_4 and 45% is CO_2, N_2, and other constituents, and expresses VOC as hexane

L= methane generation potential, m^3 CH_4/Mg refuse (EPA default = 100 m^3/Mg)

R= average annual refuse acceptance rate during active life Mg/yr

VOC= concentration of VOC in landfill gas, parts per million by volume (ppmv)

e= base log, unitless

k= methane generation rate constant, yr^{-1} (EPA default = 0.04/yr)

c= time since landfill closure, yrs (c = 0 for active landfills)

t= time since the initial refuse placement, yrs

2,000 = conversion factor 2,000 pounds per ton

365= 365 days per year of operation

A sample calculation of the daily pounds of uncontrolled VOC emissions from the Hartford Landfill is:

$$E_{\text{unctrl}} = (7.062 \times 10^{-9}) \times 100 \times 106{,}566 \times 19{,}564.25 \times \left(e^{(-0.04\times30)} - e^{(-0.04\times62)}\right) \times \left(\frac{2000}{365}\right)$$

E_{unctrl} = 208.3 pounds VOC per day

[162] Koschwitz, Scott. 1998. Description of Establishment of Municipal Solid Waste Landfill Inventory. Connecticut Department of Environmental Protection

[163] U.S. Environmental Protection Agency. 1998. AP-42 Section 2.4 Municipal Waste. 5th Edition. Vols. 2, Chapter 2: Solid Waste Disposal. https://www.epa.gov/sites/production/files/2020-10/documents/c02s04.pdf.

The emissions generated by the AP-42 equation listed above do not take into account the VOC emissions removed by control equipment. There were about eight landfills that had control equipment in use in 2014. Two of these landfills: Hartford, and Manchester are Title V sources and are required to report their after control emissions to the DEEP every year, see Table 4.9.5-1. The VOC's removed by controls were subtracted from the uncontrolled VOC emissions estimates for these two landfills. The 2014 after control emissions for the remaining six landfills were not known, so no adjustments were made to their uncontrolled emissions estimates. Most of these six landfills were inadvertently not accounted for in the 2011 PEI. These landfills are accounted for in this PEI, resulting in the VOC landfill emissions in the 2014 PEI being greater than the estimates in the 2011 PEI. Also, the 2011 PEI had incorrectly assumed that the Windsor-Bloomfield Landfill had closed in 1999. The Windsor-Bloomfield Landfill actually closed in July of 2015. The VOC emissions for this landfill in this PEI are estimated using the July 2015 closure date, thus resulting in the emissions from this landfill being greater in the 2014 PEI than the 2011 PEI.

The VOC after control emissions for the, Hartford and Manchester landfills are already accounted for in the point source section of this inventory, therefore, they will not be included in the area source inventory. The daily amount of VOC's removed by controls for these two landfills were estimated using the following equation:

$$Erem = \frac{VOCcntrl}{1 - EFF}$$

Where:

Erem= daily VOC emissions removed by control equipment, expressed in pounds per day
EFF= VOC control efficiency
VOCcntrl= daily VOC emissions exiting control equipment, expressed in pounds per day
A sample calculation for the pounds of VOC removed by the control equipment at the Hartford Landfill is:

$$Erem = \frac{0.126}{1 - 0.98}$$

Erem = 6.30 lbs VOC removed per day

Table 4.9.5-2 contains the VOC annual and typical ozone season day emissions from municipal solid waste landfills. The emissions from municipal solid waste landfills occur seven days a week uniformly throughout the year. The equation used to calculate daily VOC emissions for this category is as follows:

$$E = E_{unctrl} - Erem$$

Where:
E= daily landfill VOC emissions expressed in pounds per day
E_{unctrl} = daily uncontrolled VOC emissions expressed in pounds per day
Erem= daily VOC emissions removed by control equipment, expressed in pounds per day
A sample calculation for the Hartford landfill is:

$$E = 208.3 - 6.3$$

E = 202.0 lbs. of VOC per day

Table 4.9.5-1 Summary Of Landfills That Used Control Equipment In 2014

Landfill	Control Efficiency	Annual VOC After Cntrls (Tons/Year)	Daily VOC After Cntrls (Lbs/Day)	Annual Emissions Removed By Cntrls (Tons/Year)	Daily Emissions Removed By Cntrls (Lbs/Day)	Controlled Emis. In Pt Source Section of SIP
Hartford CRRA Landfill	98.0%	0.001	0.126	0.065	6.300	Yes
Manchester Sanitary Landfill	99.0%	0.010	0.060	1.000	6.000	Yes
		0.011	**0.186**	**1.065**	**12.300**	

Table 4.9.5-2 Summary of VOC Emissions From Municipal Solid Waste Landfills

Landfill	Co-Disposal	Years Of	Avg. Ann. Refuse Accept. Rate (MG/Y)	Annual Emissions Removed By Controls	Daily Emissions Removed By Controls	Annual Emissions (Tons/Year)	Daily Emissions (Lbs/Day)
County= Fairfield							
Danbury Landfill	Yes	1900 - 12/31/96	30,844	0.000	0.000	21.4	117.1
Fairfield Landfill	No	1950s - 1988	23,904	0.000	0.000	1.1	6.0
New Canaan Landfill	No	1930s - 1994	2,722	0.000	0.000	0.2	1.0
New Fairfield Disposal Area	No	early 1940s -	961	0.000	0.000	0.1	0.3
Newtown Landfill	No	1971 - 10/93	12,371	0.000	0.000	0.5	2.8
North Canaan Landfill	No	1906(?) - 1994(?)	619	0.000	0.000	0.0	0.2
Redding Landfill	No	1962 - 6/94	6,115	0.000	0.000	0.3	1.8
Ridgefield Landfill	No	1929(?) - 1980	747	0.000	0.000	0.0	0.2
Seaside Park Landfill	Yes	1938 - 1993(?)	11,292	0.000	0.000	6.3	34.6
Shelton CRRA Landfill	Yes	early 1960s - 1987	45,359	0.000	0.000	25.5	139.8
Stratford Landfill	No	1946 - 1983(?)	13,571	0.000	0.000	0.5	2.8
CountyTotal:			**148,504**			**56.0**	**306.6**

County= Hartford							
Avon Landfill	No	1972 - 1994	24,989	0.000	0.000	1.1	6.0
Bristol Landfill	Yes	1950 - 2/28/97	11,562	0.000	0.000	7.2	39.6
Burlington Landfill	No	1966 - 1991(?)	13,166	0.000	0.000	0.6	3.0
East Granby Landfill	No	8/69 - 6/94	980	0.000	0.000	0.0	0.3
East Hartford Landfill	No	1983 - 1987	217,725	0.000	0.000	1.8	9.9
Enfield Landfill	No	1967 - 1/94	47,232	0.000	0.000	2.3	12.7
Farmington Landfill	No	1933(?) - 1988	12,371	0.000	0.000	0.6	3.5
Granby Landfill	No	1953 - 1995(?)	2,521	0.000	0.000	0.2	0.9
Hartford CRRA Landfill	Yes	1955 - 1987	106,566	0.065	6.300	38.0	202.0
Hartland Landfill	No	1977- 1992	2,220	0.000	0.000	0.1	0.4
Manchester Sanitary Landfill	No	1952 - 1999	98,483	1.000	6.000	6.6	35.7
Marlborough Municipal	No	1960 - 1993	10,545	0.000	0.000	0.6	3.0
NORCAP Regional Landfill	No	3/75 - 7/96	112,318	0.000	0.000	5.2	28.3
Plainville Landfill	No	1950 - 1994	9,897	0.000	0.000	0.6	3.3
Simsbury Landfill	No	1920 - 1995	4,265	0.000	0.000	0.3	1.7
Suffield Municipal Landfill	No	1977 - 4/8/94	22,853	0.000	0.000	0.8	4.6
Windsor-Bloomfield	Yes	7/5/72 - 2015	68,603	0.000	0.000	81.2	445.0
CountyTotal:			**766,295**	**1.065**	**12.300**	**147.2**	**799.9**

County= Litchfield							
Barkhamsted-New Hartford	Yes	4/74 - 10/93	26,316	0.000	0.000	8.8	48.2
Bethlehem Landfill	No	1941 - 1988	1,966	0.000	0.000	0.1	0.5
Canaan Landfill	No	1952(?) - 1994(?)	1,554	0.000	0.000	0.1	0.5
Cornwall Municipal Landfill	No	1952(?) - 1995	3,235	0.000	0.000	0.2	1.1
Kent Landfill	No	1946 - 10/93	1,218	0.000	0.000	0.1	0.4
Litchfield Landfill	No	8/77 - 3/94 (?)	28,093	0.000	0.000	1.0	5.7
Morris Landfill	No	1967 - 1994(?)	3,547	0.000	0.000	0.2	1.0
New Milford Landfill	Yes	1965 - 9/29/95	176,687	0.000	0.000	84.0	460.4
Norfolk Landfill	No	1938 - 10/93	6,787	0.000	0.000	0.4	2.4
Plymouth Landfill	No	1950(?) - 1974	19,993	0.000	0.000	0.4	2.3
Roxbury Landfill	No	1960(?) - 1/1/91	1,522	0.000	0.000	0.1	0.4
Torrington Landfill	Yes	1930 - 11/26/94	13,024	0.000	0.000	7.9	43.1
Washington Landfill	No	early 1940s (?) -	942	0.000	0.000	0.1	0.3
CountyTotal:			**284,884**			**103.3**	**566.2**
County= Middlesex							
East Haddam Landfill	No	late 1930s(?) -	7,547	0.000	0.000	0.3	1.4
Essex Landfill & Recycling	No	1950(?) - 1996(?)	2,172	0.000	0.000	0.1	0.8
Middlefield-Durham Landfill	No	1971 - 1989	13,955	0.000	0.000	0.4	2.4
Middletown Landfill	No	1953 - 1997(?)	18,291	0.000	0.000	1.3	7.0
Portland Municipal Landfill	No	5/67 - 1994(?)	9,677	0.000	0.000	0.5	2.6
Westbrook Landfill	No	1955 - 1987	7,175	0.000	0.000	0.3	1.6
CountyTotal:			**58,816**			**2.9**	**15.8**

County=	**New Haven**						
Branford Landfill	No	1960 - 1995	34,743	0.000	0.000	2.0	11.1
Cheshire Landfill	No	1970 - 1989	36,043	0.000	0.000	1.2	6.4
Derby Landfill	No	1962 - 9/93	30,335	0.000	0.000	1.5	8.5
Front Street (Helm Street)	No	1967(?) - 1989(?)	55,411	0.000	0.000	2.0	10.8
Hamden Landfill	No	early 1970s - 11/88(?)	11,042	0.000	0.000	0.3	1.8
Madison Bulky Waste Site	No	12/68 - 1997	7,410	0.000	0.000	0.4	2.3
Meriden Landfill	No	1937(?) - 1/89	29,937	0.000	0.000	1.6	8.8
New Haven Landfill	No	early 1940s -1998	41,579	0.000	0.000	2.1	11.4
North Branford Landfill	No	1958 - 1987(?)	12,503	0.000	0.000	0.5	2.7
North End Disposal Area	No	1955 - 10/31/96	131,272	0.000	0.000	8.5	46.8
North Haven Landfill	No	1964 - 1993	33,222	0.000	0.000	1.6	9.0
Oxford Landfill	No	1976 - 7/30/88	14,470	0.000	0.000	0.3	1.8
Prospect Landfill	No	early 1960s(?) -	7,882	0.000	0.000	0.3	1.7
Seymour Landfill	No	1968 - 1997(?)	19,376	0.000	0.000	1.1	6.1
Southbury Landfill	No	1931 - 3/87	5,018	0.000	0.000	0.3	1.4
Spring Street Landfill	No	1908 - 1989(?)	23,551	0.000	0.000	1.4	7.6
Wallingford CRRA Landfill	No	early 1960s (?) - 1995	18,046	0.000	0.000	1.1	5.8
Woodbridge Landfill	No	1968 - 4/9/94	3,813	0.000	0.000	0.2	1.0
CountyTotal:			**515,654**			**26.5**	**145.0**

County=	**New London**						
Adelman Landfill	No	10/77 - 1994	13,376	0.000	0.000	0.5	2.7
Bronson Landfill	No	1963 - 8/92	6,812	0.000	0.000	0.3	1.8
Colchester Landfill	No	1960 - 10/94	3,682	0.000	0.000	0.2	1.1
East Lyme Landfill	No	1948 - 1992(?)	4,699	0.000	0.000	0.3	1.5
Groton MSW Landfill	No	1956 - 10/9/94	41,778	0.000	0.000	2.4	13.3
Lebanon Landfill	No	1971(?) - 10/2/93	45,152	0.000	0.000	1.9	10.4
Ledyard Landfill	No	1950s(?) - 1995	5,237	0.000	0.000	0.3	1.9
Lyme Landfill	No	1950s(?) - 1994(?)	30,670	0.000	0.000	1.9	10.4
Montville Landfill	No	1966 - 10/94(?)	4,182	0.000	0.000	0.2	1.2
Montville SCRRRA Ash	No	1993 - present	0	0.000	0.000	0.0	0.0
North Stonington Landfill	No	1955 - 1991	6,057	0.000	0.000	0.3	1.7
Norwich Landfill	No	1974 - 1997	19,764	0.000	0.000	1.0	5.5
Norwich State Hospital Ash	No	early 1940s - 1985(?)	222	0.000	0.000	0.0	0.1
Preston Landfill	No	1957 - 1994(?)	5,761	0.000	0.000	0.3	1.8
Salem Landfill	No	1966 - 1995(?)	10,619	0.000	0.000	0.6	3.1
Sprague Landfill	No	1955 - 1993(?)	7,469	0.000	0.000	0.4	2.3
Stonington Landfill	No	10/68 - 1994 (?)	29,348	0.000	0.000	1.4	7.8
Waterford Refuse Disposal	No	1968 - 1996(?)	11,208	0.000	0.000	0.6	3.3
CountyTotal:			**246,036**			**12.7**	**69.7**

County= Tolland							
Andover Landfill	No	1950 - 1994	5,573	0.000	0.000	0.3	1.9
Columbia Landfill	No	1949 - 1994	435	0.000	0.000	0.0	0.1
Coventry Landfill	No	1942 - 10/9/93	4,848	0.000	0.000	0.3	1.7
Ellington CRRA Landfill	No	1976 - 6/29/93	69,902	0.000	0.000	2.5	13.5
Hebron Landfill	No	1963 - 1995	19,579	0.000	0.000	1.1	6.0
Mansfield Bulky Waste	No	1966 - 1994(?)	12,348	0.000	0.000	0.6	3.4
Somers Landfill	No	1954 - 1994(?)	9,906	0.000	0.000	0.6	3.2
Stafford Landfill	No	early 1960s - 6/94	3,958	0.000	0.000	0.2	1.2
UConn Landfill	No	1966 - 1996(?)	7,784	0.000	0.000	0.4	2.4
Willington Landfill	No	1978 - 10/93(?)	10,705	0.000	0.000	0.3	1.9
CountyTotal:			**145,037**			**6.5**	**35.4**

County= Windham							
Brooklyn Municipal Landfill	No	1967 - 1994	5,846	0.000	0.000	0.3	1.6
Donahue Landfill	No	1964(?) - 1994(?)	3,992	0.000	0.000	0.2	1.1
Killingly Landfill	No	early 1970s(?) - 1995	19,595	0.000	0.000	1.0	5.3
Putnam Landfill	No	1968 - 6/28/97	29,862	0.000	0.000	1.7	9.4
Thompson Landfill	No	1956 - 1991	11,773	0.000	0.000	0.6	3.2
Windham Landfill	No	1946(?) - 1996(?)	27,216	0.000	0.000	1.9	10.4
Woodstock Landfill	No	mid-1940s - 4/96	4,574	0.000	0.000	0.3	1.8
Yaworski Regional Landfill	No	1950 - 1994	26,347	0.000	0.000	1.9	10.3
CountyTotal:			**129,205**			**7.9**	**43.2**
State Total:			**2,294,431**	**1.065**	**12.300**	**362.8**	**1,981.7**

Section 4 References

38. U.S. Energy Information Administration. 2014. *Form EIA-923 detailed data with previous form data (EIA-906/920).* https://www.eia.gov/electricity/data/eia923/#:~:text=The%20survey%20Form%20EIA%2D923,2%20%2D%20fuel%20receipts%20and%20costs.

39. U.S. Environmental Protection Agency. *ICI Boilers*. 2014 National Emissions Inventory, Version 2: Technical Support Document. Pgs 4-114 to 4-115. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=197.

40. U.S. Environmental Protection Agency. *ICI Boilers*. 2014 National Emissions Inventory, Version 2: Technical Support Document. Pgs 4-110 to 4-113. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=193

41. U.S. Environmental Protection Agency. *ICI Boilers.* 2018. *2014 NEI V2 TSD*. Pg. 4-110 to 4-113.

42. RCSA § 22a-174-19b. 2014. *Fuel sulfur content limitations for stationary sources (Table 19b-1).* https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-19b.

43. U.S. Environmental Protection Agency. *ICI Boilers.* 2018. *2014 NEI V2 TSD*. Pg. 4-110 to 4-113.

44. U.S. Environmental Protection Agency. *ICI Boilers.* 2018. *2014 NEI V2 TSD*. Pg. 4-110 to 4-113.

45. U.S. Environmental Protection Agency. *ICI Boilers.* 2018. *2014 NEI V2 TSD*. Pg. 4-110 to 4-113.

46. U.S. Environmental Protection Agency. *ICI Boilers.* 2018. *2014 NEI V2 TSD*. Pg. 4-110 to 4-113.

47. U.S. Environmental Protection Agency. *ICI Boilers.* 2018. *2014 NEI V2 TSD*. Pg. 4-110 to 4-113.

48. U.S. Environmental Protection Agency. 2018. *2014 NEI V2 TSD*. Pg. 4-119 to 4-135.

49. Conn. Gen. Stat. Sec. 16a-21a. 2014. https://www.cga.ct.gov/current/pub/chap_296.htm#sec_16a-21a.

50. U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135

51. U.S. Energy Information Administration. 2014. *Consumption (Full report CSV in Physical Units).* Accessed December 2016. https://www.eia.gov/state/seds/seds-data-complete.php?sid=CT#Consumption.

52. U.S. Census Bureau. Table Code B25040. 2014. https://data.census.gov/table/ ACSDT5Y2017.B25040?q=B25040&g=040XX00US09$0500000_010XX00US&y=2014

53. U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135

54. U.S. Energy Information Administration. 2014. *Consumption (Full report CSV in Physical Units).* Accessed December 2016. https://www.eia.gov/state/seds/seds-data-complete.php?sid=CT#Consumption.

55. U.S. Census Bureau. Table Code B25040. 2014.

56. U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135

57. U.S. Energy Information Administration. 2014. *Consumption (Full report CSV in Physical Units).* Accessed December 2016. https://www.eia.gov/state/seds/seds-data-complete.php?sid=CT#Consumption.

58. U.S. Census Bureau. Table Code B25040. 2014.

59. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-136 to 4-147. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018 .pdf.

60. Conn. Gen. Stat. Sec. 16a-21a . 2014. https://www.cga.ct.gov/current/pub/chap_296.htm#sec_16a-21a.

61. U.S. Environmental Protection Agency. *Residential Fuel*.2018. 2014 NEI V2 TSD. Pg. 4-119 to 4-135

62. U.S. Energy Information Administration. 2014. *Consumption (Full report CSV in Physical Units).* Accessed December 2016. https://www.eia.gov/state/seds/seds-data-complete.php?sid=CT#Consumption.

63. U.S. Census Bureau. Table Code B25040. 2014.

64. 40 CFR § 63.11100. 2011. https://www.ecfr.gov/cgi-bin/text-idx?node= sp40.15.63.bbbbbb#se40.16.63_111100.

65. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-57 to 4-64. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=140.

66. U.S. Environmental Protection Agency. 2014. "Stage I Gasoline Distribution for NEI v2.zip (accessable via Firefox Browser)." *2014 NEI Supporting Data- Nonpoint.* https://gaftp.epa.gov/Air/nei/2014/doc/2014v2_supportingdata/nonpoint/Stage%20I%20Gasoline%20Distribution%20for%20NEI%20v2.zip.

67. U.S. Energy Information Administration. 2014. *Consumption (Full report CSV in Physical Units).* Accessed December 2016. https://www.eia.gov/state/seds/seds-data-complete.php?sid=CT#Consumption.

68. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-57 to 4-64. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=140

69. U.S. Environmental Protection Agency. 1994. *Gasoline Distribution Industry (Stage I)-Background Information for Promulgated Standards*. https://nepis.epa.gov/Exe/ZyPDF.cgi/2000HK21.PDF?Dockey=2000HK21.PDF.

70. U.S. Department of Energy. 2014. *Petroleum and Other Liquids.* https://www.eia.gov/petroleum/supply/annual/volume1/.

71. Public Act No. 13-120. 2013. *An Act Concerning Gasoline Recovery Systems.* https://www.cga.ct.gov/2013/act/pa/pdf/2013PA-00120-R00HB-06534-PA.pdf.

72. U.S. Environmental Protection Agency. 2018. "MOVES2014, MOVES2014a, and MOVES2014b Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity." Pg. 60. *EPA-420-B-18-039.* https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100V7EY.pdf.

73. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-57 to 4-64. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018 .pdf.

74. Julia Cavalier, MECTEC, Inc., interview by U.S. Environmental Protection Agency Steven Shedd. 2004. *Personal communication, "RE: Percentage of Gasoline Transported Twice By Truck,"* (July 6).

75. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-160 to 4-165. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=253

76. U.S. Environmental Protection Agency. 2007. "Control of Hazardous Air Pollutants from Mobile Sources Final Regulatory Impact Analysis." *EPA420-R-07-002.* https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P1004LNN.PDF.

77. 72 FR 8427. 2007. *Control of Hazardous Air Pollutants From Mobile Sources.* https://www.federalregister.gov/documents/2007/02/26/E7-2667/control-of-hazardous-air-pollutants-from-mobile-sources.

78. U.S. Environmental Protection Agency. 2007. "Estimating Emissions Associated with Portable Fuel Containers (PFCs)." *EPA420-R-07-001.* https://nepis.epa.gov/Exe/ZyPDF.cgi/P1004LMT.PDF?Dockey=P1004LMT.PDF.

79. U.S. Environmental Protection Agency. 2011. "Hydrocarbon Composition of Gasoline Vapor Emissions from Enclosed Fuel Tanks." *EPA-420-R-11-018.* https://nepis.epa.gov/Exe/ZyPDF.cgi/P100GP.

80. Harold Haskew and Associates. 2010. "Evaporative Emissions from In-Use Vehicles: Test Fleet Expansion (CRC E-77-2b)." October. https://www.epa.gov/moves/evaporative-emissions-use-vehicles-test-fleet-expansion-crc-e-77-2b-final-report.

81. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-242 to 4-251. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=325

82. RCSA § 22a-174-20k. 2020. https://eregulations.ct.gov/eRegsPortal/Browse/ RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-20.

83. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-231 to 4-242. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=314

84. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-27 to 4-37 https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=110

85. T.A. Cuscino, Jr., et al. 1981. "The Role of Agricaultural Practices in Fugitive Dust Emissions." June. https://www3.epa.gov/ttn/chief/old/ap42/ch09/s01/related/rel02_c09s01.pdf.

86. Chatten Cowherd-Midwest Research Institute. 1996. "Memorandum from Chatten Cowherd of Midwest Research Institute, to Bill Kuykendal of the U.S. Environmental Protection Agency, Emission Factor and Inventory Group, and W.R. Barnard of E.H. Pechan & Associates, Inc." September.

87. National Cooperative Soil Survey. 2015. *National Cooperative Soil Survey Soil Characterization Database.* Accessed September 2015. https://ncsslabdatamart.sc.egov.usda.gov/.

88. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-45 to 4-57. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=128

89. McQuilling, A. M. & Adams, P. J. 2015. "Semi-empirical process-based models for ammonia emissions from beef, swine, and pultry operations in the United States." *Atmospheric Environmental* 127-136.

90. Pinder, R., Pekney, N., Davidson, C. & Adams, P. 2004. "A temporally and spatially resolved ammonia emissions inventory for dairy cows in the United States." *Atmospheric Environment* 3747-3756.

91. Pinder, R., Pekney, N., Davidson, C. & Adams, P. 2004. "A process-based model of ammonia emissions from dairy cows improved temporal and spatial resolution." *Atmospheric Environment* 1357-1365.

92. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-37 to 4-45. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=120

93. Univeristy of North Carolina Community Modeling Analysis System Center. 2015. *Community Multiscale Air Quality (CMAQ) Version 5.1.* https://www.cmascenter.org/cmaq/.

94. University of North Carolina Community Modeling Anaysis System Center. 2015. *FEST-C.* https://www.cmascenter.org/fest-c/.

95. National Center for Atmospheric Research. 2015. *Weather Research and Forecasting Model.* https://www.mmm.ucar.edu/weather-research-and-forecasting-model.

96. Texas Agriculture and Mechanical University. 2015. *EPIC & APEX Models.* https://epicapex.tamu.edu/.

97. Cooter, E. J., Bash, J. O., Benson, V., and Ran, L. 2012. "Linking agricultural crop management and air quality models for regional to national-scale nitrogen assessments." *Biogeosciences* (9): 4023-4035. doi:https://doi.org/10.5194/bg-9-4023-2012.

98. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-37 to 4-45. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=120

99. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-209 to 4-231. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=292

100. U.S. Environmental Protection Agency. 2001. "Section 5.1.2, Default Volitile Organic Component of Pesticide Applied." *Emission Inventory Improvement Program.* Vols. 3, Chapter 9, Pesticides-Agricultural and Nonagricultural. https://www.epa.gov/sites/production/files/2015-08/documents/iii09_jun2001.pdf#page=53.

101. California Department of Pesticide Regulation. 2015. *Emission Potenital Database.* Accessed January 2016. CDPR_Emission_Potential_Database_10_2015.xlsx.

102. Baker, Nancy. 2013. *Preliminary estimates of annual agricultural pesticide use for counties of the conterminous United States, 2013.* https://pubs.er.usgs.gov/publication/ofr20151176, U.S. Geologic Survey.

103. Federal Highway Administration. 2013. *Highway Statistics 2013.* Accessed September 2015. https://www.fhwa.dot.gov/policyinformation/statistics/2013/.

104. Federal Highway Administration. 1996. "Highway Statistics 1996 (Table HM-67)." December. https://www.fhwa.dot.gov/ohim/1996/text/roads.html.

105. E.H. Pechan & Associates, Inc. 1995. *Phase II Regional Particulate Strategies; Task 4: Particulate Control Technology Characterization.* U.S. Environmental Protction Agency.

106. U.S. Environmental Protection Agency. 2001. *AP-42 Section 13.2.1. Paved Roads.* 5th Edition. Vols. I, Chapter 13: Miscellaneous Sources. https://www.epa.gov/sites/production/files/2020-10/documents/13.2.1_paved_roads.pdf.

107. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-85 to 4-90. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=168

108. Federal Highway Administration. 1996. "Highway Statistics 1996 (Table HM-67)." December. https://www.fhwa.dot.gov/ohim/1996/text/roads.html.

109. U.S. Environmental Protection Agency. 2015. *2011 National Emissions Inventory Version 2 Technical Support Document.* August. https://www.epa.gov/sites/production/files/2015-10/documents/nei2011v2_tsd_14aug2015.pdf.

110. U.S. Environmental Protection Agency. 2006. *AP-42 Section 13.2.2 Unpaved Roads.* 5th Edition. Vols. I, Chapter 13: Miscellaneous Sources. November. Accessed January 2011. https://www.epa.gov/sites/production/files/2020-10/documents/13.2.2_unpaved_roads.pdf.

111. U.S. Environmental Protection Agency. 2018. 2014 National Emissions Inventory, Version 2: Technical Support Document. NC: Research Triangle Park. Pg. 4-70 to 4-79. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=153

112. U.S. Census Bureau. 2014. *Value of Construction Put in Place at a Glance.* Accessed September 2015. https://www.census.gov/construction/c30/c30index.html.

113. U.S. Census Buerau. 2014. *County Business Patterns (Complete County File- 14.4 mb zip file).* Accessed August 2016. https://www.census.gov/data/datasets/2014/econ/cbp/2014-cbp.html.

114. U.S. Census Bureau. 2014. *Constant Quality Index of New Single Family Houses Under Construction.* Accessed September 2015. https://www.census.gov/construction/nrs/pdf/price_uc.pdf.

115. Midwest Research Institute. 1999. "Estimating Particulate Matter Emissions from Construction Operations, Final Report (Prepared for the EPA Emission Factor and Inventory Group)." Prepared for the EPA Emission Factor and Inventory Group.

116. Midwest Research Institute. 1996. "Improvement of Specific Emissions Factors (BACM Project No. 1)." Prepared for South Coast AQMD.

117. Midwest Research Institute. 2006. *Background Document for Revisions to Fine Fraction Rations Used for AP-42 Fugitive Dust Emissions Factors (Prepared for Western Governors' Association).* November. https://www3.epa.gov/ttn/chief/ap42/ch13/bgdocs/b13s02.pdf#page=8.

118. National Cooperative Soil Survey. 2015. *National Cooperative Soil Survey Soil Characterization Database.* Accessed September 2015. https://ncsslabdatamart.sc.egov.usda.gov/.

119. U.S. Environmental Protection Agency. 2018. 2014 National Emissions Inventory, Version 2: Technical Support Document. NC: Research Triangle Park. Pg. 4-70 to 4-79. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=153

120. U.S. Census Bureau. 2014. *New Privately Owned Housing Units Authorized.* Accessed 2015. https://www.census.gov/construction/bps/txt/tb2u2014.txt.

121. U.S. Census Bureau. 2014. *New Privately Owned Housing Units Started by Purpose and Design.* Accessed September 2015. https://www.census.gov/construction/nrc/pdf/ quarterly_starts_completions.pdf.

122. U.S. Census Bureau. 2015. "Annual Housing Units Authorized by Building Permits CO2014A."

123. U.S. Census Bureau. 2014. *Characteristics of New Single-Family Houses Completed.* Accessed September 2015. https://www.census.gov/construction/chars/completed.html.

124. Chatten Cowheard- Midwest Research Institute. 2015. "Proposed Revisions to Fine Fraction Ratios Used for AP-42 Fugitive Dust Emissions Factors." Accessed September 2015. https://gaftp.epa.gov/Air/nei/ei_conference/EI15/session14/cowherd_pres.pdf .

125. Midwest Research Institute. 1996. "Improvement of Specific Emissions Factors (BACM Project No. 1)." Prepared for South Coast AQMD.

126. National Cooperative Soil Survey. 2015. *National Cooperative Soil Survey Soil Characterization Database.* Accessed September 2015. https://ncsslabdatamart.sc.egov.usda.gov/.

127. U.S. Environmental Protection Agency. 2018. 2014 National Emissions Inventory, Version 2: Technical Support Document. NC: Research Triangle Park. Pg. 4-70 to 4-79. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=153

128. Federal Highway Administration. 2016. *Highway Statistics 2014.* February. Accessed July 2016. https://www.fhwa.dot.gov/policyinformation/statistics/2014/sf12a.cfm.

129. U.S. Census Bureau. 2014. *New Privately Owned Housing Units Authorized.* Accessed 2015. https://www.census.gov/construction/bps/txt/tb2u2014.txt.

130. Midwest Research Institute. 1996. "Improvement of Specific Emissions Factors (BACM Project No. 1)." Prepared for South Coast AQMD.

131. National Cooperative Soil Survey. 2015. *National Cooperative Soil Survey Soil Characterization Database.* Accessed September 2015. https://ncsslabdatamart.sc.egov.usda.gov/.

132. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-147 to 4-154. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=230

133. U.S. Geologic Survery. 2012. "2012 Minerals Yearbook." Accessed July 2015. https://www.usgs.gov/centers/nmic/mining-and-quarrying#myb.

134. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-64 to 4-170. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf.

135. U.S. Census Buerau. 2014. *County Business Patterns (Complete County File- 14.4 mb zip file).* Accessed August 2016. https://www.census.gov/data/datasets/2014/econ/cbp/2014-cbp.html.

136. U.S. Census Buerau. 2014. *County Business Patterns (Complete County File- 14.4 mb zip file).* Accessed August 2016. https://www.census.gov/data/datasets/2014/econ/cbp/2014-cbp.html.

137. U.S. Environmental Protection Agency. 2016. *SPECIATE Database v4.5.* https://gaftp.epa.gov/Air/nei/2014/doc/2014v2_supportingdata/nonpoint/.

138. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-166 to 4-170. https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=249

139. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018 .pdf.

140. U.S. Census Bureau. 2014. *Selected Housing Characteristics, American Community Survey 5-Year Estimates.* Accessed April 2015. https://factfinder.census.gov/faces/nav/jsf/ pages/index.xhtml#none.

141. Hearth, Patio & Barbecue Association. 2011. "2011 State of the Barbecue Industry Report." Accessed 2015. https://www.hpba.org/Resources/PressRoom/ID/79/2011-State-of-the-Hearth-Industry-Report.

142. Hearth, Patio & Barbecue Association. 2014. "2014 State of the Barbecue Industry Report." Accessed April 2015. https://www.hpba.org/.

143. Hearth, Patio & Barbecue Assocation. 2014. *Statistics, BBQ Grill Shipments.* Accessed April 2015. https://www.hpba.org/Resources/Market-Research-Reports/view?barbecue-statistics=CopyofBBQGrillShipments8513.pdf.

144. South Coast Air Quality Managment District. 1990. "Rule 1174: Control of Volatile Organic Compound Emissions from the Ignition of Barbecue Charcoal." October. Accessed May 2015. http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1174.pdf.

145. U.S. Census Bureau. 2014. *Selected Housing Characteristics, American Community Survey 5-Year Estimates.* Accessed April 2015. https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml#none.

146. U.S. Census Bureau. 2014. *Housing Characteristics, American Community Survey 5-Year Estimates (DP04) Counties.* https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid= ACS_13_5YR_DP04&prodType=table.

147. Hearth, Patio & Barbecue Association. 2011. "2011 State of the Barbecue Industry Report." Accessed 2015. https://www.hpba.org/Resources/PressRoom/ID/79/2011-State-of-the-Hearth-Industry-Report.

148. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-91 to 4-99. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf.#page=174

149. U.S. Environmental Protection Agency. 2014. *Compost Supporting Data (Document).* https://gaftp.epa.gov/air/nei/2014/doc/2014v2_supportingdata/nonpoint/Compost%204.1.zip.

150. U.S. Census Buerau. 2014. *County Business Patterns (Complete County File- 14.4 mb zip file).* Accessed August 2016. https://www.census.gov/data/datasets/2014/econ/cbp/2014-cbp.html.

151. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-251 to 4-262. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf.#page=334.

152. CGS § 22a-174-f. 2011. *Power of Commissioner.* https://www.cga.ct.gov/current/pub/chap_446c.htm#sec_22a-174.

153. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-251 to 4-262. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf.#page=334.

154. CGS § 22a-174-f. 2011. *Power of Commissioner.* https://www.cga.ct.gov/current/pub/chap_446c.htm#sec_22a-174.

155. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-251 to 4-262. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf.#page=334.

156. . CGS § 22a-174-f. 2011. *Power of Commissioner.* https://www.cga.ct.gov/current/pub/chap_446c.htm#sec_22a-174.

157. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-262 to 4-264. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf.#page=345.

158. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 4-264 to 4-265. https://www.epa.gov/sites/production/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf.#page=347.

159. U.S. Environmental Protection Agency. 1998. *AP-42 Section 2.4 Municipal Waste.* 5th Edition. Vols. 2, Chapter 2: Solid Waste Disposal. https://www.epa.gov/sites/production/files/2020-10/documents/c02s04.pdf.

160. Koschwitz, Scott. 1998. *Description of Establishment of Municipal Solid Waste Landfill Inventory.* Connecticut Department of Environmental Protection.

161. U.S. Environmental Protection Agency. 1998. *AP-42 Section 2.4 Municipal Waste.* 5th Edition. Vols. 2, Chapter 2: Solid Waste Disposal. https://www.epa.gov/sites/production/files/2020-10/documents/c02s04.pdf.

162. Koschwitz, Scott. 1998. *Description of Establishment of Municipal Solid Waste Landfill Inventory.* Connecticut Department of Environmental Protection.

163. U.S. Environmental Protection Agency. 1998. *AP-42 Section 2.4 Municipal Waste.* 5th Edition. Vols. 2, Chapter 2: Solid Waste Disposal. https://www.epa.gov/sites/production/files/2020-10/documents/c02s04.pdf.

Section 5 Biogenic Sources

Connecticut accepts the EPA biogenic emissions estimates as published in the 2014 NEI, which only included VOCs, NO_X, and CO. For more information on these estimates, please refer to Section 8 of the 2014 NEI v2 TSD.[164] The annual estimates for this sector in 2014 are presented in Table 5-1 and the estimates for a typical summer day are presented in Table 5-2.

County SCC-level emissions data were provided through EPA's EIS, 2014 NEI Final V2 dataset, while the 2014 NEI Data – Data Summaries page "Biogenics" link (2014fd_biogenics_report.xlsx) data file provided county-sector emissions data. Data in the dataset was consistent with the data file, which confirmed that the unit of measure for the data file was tons.

Summer day emissions were calculated from an average daily estimate of the June, July and August emissions presented on the 2014 NEI Data – Data Summaries page "Biogenics" link (2014fd_biogenics_report.xlsx) data file. Employing the same column names from the data file, the equation used to calculate the summer day emissions becomes as follows:

$$E_i = 2000 * \frac{jun\ value_i + jul\ value_i + aug\ value_i}{days}$$

Where:

E_i = Total biogenic emissions of pollutant I in pounds per day for a county
2000 = Conversion factor of pounds per ton
$jun\ value_i$ = Total biogenic emissions of pollutant I in tons for a county in the month of June.
$jul\ value_i$ = Total biogenic emissions of pollutant I in tons for a county in the month of July.
$aug\ value_i$ = Total biogenic emissions of pollutant I in tons for a county in the month of August.
$days$ = Total numbers of days in the months of June, July, and August (92 days)

A sample calculation of VOC emissions in Fairfield County is shown for data from the file as follows:

$$E_i = 2000 * \frac{1566.397 + 1981.833 + 1486.607}{92\ days} = 109{,}453.0 \frac{lb\ VOC}{day}$$

Table A-1: 2014 Annual Emissions of Biogenic Sources

County	Annual Emissions [TPY]		
	VOC	NO_X	CO
Fairfield	7,324	64	792
Hartford	8,130	102	1,023
Litchfield	9,389	106	1,215
Middlesex	6,237	43	672
New Haven	7,566	68	855
New London	8,318	78	892
Tolland	6,083	54	673
Windham	7,598	61	781
Connecticut	**60,646**	**576**	**6,904**

Table A-2: 2014 Summer Day Emissions of Biogenic Sources

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	109,453	554	9,933
Hartford	116,766	893	12,600
Litchfield	136,506	932	15,268
Middlesex	91,146	369	8,182
New Haven	111,815	589	10,578
New London	121,436	655	10,885
Tolland	88,046	460	8,292
Windham	110,995	520	9,554
Connecticut	**886,163**	**4,971**	**85,292**

[164] U.S. Environmental Protection Agency. *Biogenics*. 2018. 2014 NEI V2 TSD. Pg. 8-1 to 8-3.

Section 5 References

164. U.S. Environmental Protection Agency. 2018. *2014 National Emissions Inventory, Version 2: Technical Support Document.* NC: Research Triangle Park. Pg. 8-1 to 8-3 https://www.epa.gov/sites/default/files/2018-07/documents/nei2014v2_tsd_05jul2018.pdf#page=412

Section 6 Quality Assurance Audit

The 2021 working draft of the 2014 periodic emission inventory (PEI) report was reviewed for clarity, completeness, comparability, and reasonableness. In the 2014 PEI, inventories were completed for all required source categories: stationary point sources, stationary area sources, on-road mobile sources, non-road mobile sources, and biogenic sources. The inventories address annual emissions for volatile organic compounds (VOC), oxides of nitrogen (NO_X), carbon monoxide (CO), sulfur dioxide (SO_2), ultra-fine particulate matter ($PM_{2.5}$ primary), fine particulate matter (PM_{10} primary), ammonia (NH_3), and lead (Pb). Also, typical high ozone summer day emissions of VOC, NO_X, and CO are presented for all source categories.

The review of the 2021 working draft of the 2014 PEI resulted in several findings that were corrected in the version of the 2014 PEI that was posted for public comment in December of 2023. Also, the Air Quality, Modelling and Emissions Inventory Group (formerly called the Technical Services Group) made additional changes beyond the observations made by the reviewers. This section includes revised tables when changes were observed.

This review was performed following EPA's current guidance. A comparison of emissions reported in the 2011 PEI (the last PEI Connecticut submitted to EPA), and the 2014 PEI is presented in Table 6-1a(for annual emissions) and Table 6-1b (for summer day emissions). As expected, the ozone precursor emissions decreased from 2011 to 2014. In comparison to the 2011 emissions, the 2014 statewide emission estimates appear reasonable. Comparisons between the 2014 and 2011 PEIs were made for each of the source categories although there are differences in how the source categories were defined and models used in preparation of the two inventories.

For the convenience of the reader of this section, the table number from the 2011 or the 2014 PEI report is included in the title of the tables that were extracted from these reports.

Although there are some challenges in comparing PEI and NEI inventories, 2014 PEI emission estimates for each source category, except for the biogenic sector, were compared to version 2 of EPA's 2014 National Emissions Inventory (NEI) to ensure that there were no major discrepancies between the state and EPA inventories. As it is explained later in this review, Connecticut accepts the EPA biogenic emissions estimates as published in the 2014 NEI and a comparison of this sector is not necessary. The 2014 NEI data was obtained from queries of MS Access databases provided by the Air Quality, Modelling and Emissions Inventory Group.

Table 6-1a: Ozone Precursor Annual Emissions by County 2011 (Table 1.3-1) and 2014 PEI (Table 1-4) [TPY]

	2011 Emissions [TPY]			2014 Emissions [TPY]		
County	**VOC**	**NO_X**	**CO**	**VOC**	**NO_X**	**CO**
Fairfield	27,675.1	19,456.7	127,870.1	24,141	16,599	96,597
Hartford	26,296.2	18,351.5	111,406.5	25,786	15,281	85,181
Litchfield	15,708.1	3,404.7	31,502.7	13,561	2,880	25,743
Middlesex	10,503.7	4,882.7	25,266.9	9,614	4,077	20,778
New Haven	25,015.2	16,510.5	103,413.3	22,716	13,800	76,268
New London	16,629.5	8,018.0	38,347.9	14,411	6,626	30,448
Tolland	9,387.7	2,864.5	18,621.5	9,087	2,452	16,273
Windham	11,000.9	2,559.8	17,420.3	10,136	2,180	14,380
State	**142,216.3**	**76,048.4**	**473,849.2**	**129,452**	**63,895**	**365,667**

Revised Table 6-1a. Ozone Precursor Annual Emissions by County 2011 (Table 1.3-1) and 2014 PEI (Revised Table 1-4) [TPY]

	2011 Emissions [TPY]			2014 Emissions [TPY]		
County	**VOC**	**NO_X**	**CO**	**VOC**	**NO_X**	**CO**
Fairfield	27,675.1	19,456.7	127,870.1	26,792	16,627	96,600
Hartford	26,296.2	18,351.5	111,406.5	27,308	15,281	85,181
Litchfield	15,708.1	3,404.7	31,502.7	14,546	2,880	25,743
Middlesex	10,503.7	4,882.7	25,266.9	10,257	4,077	20,778
New Haven	25,015.2	16,510.5	103,413.3	24,418	13,821	76,267
New London	16,629.5	8,018.0	38,347.9	15,476	6,626	30,448
Tolland	9,387.7	2,864.5	18,621.5	9,371	2,452	16,273
Windham	11,000.9	2,559.8	17,420.3	10,544	2,180	14,380
State	**142,216.3**	**76,048.4**	**473,849.2**	**138,713**	**63,943**	**365,670**

Table 6-1b. Ozone Precursor Summer Day Emissions by County 2011 (Table 1.3-2) and 2014 PEI (Table 1-6) [TPD]

	2011 Emissions [TPD]			2014 Emissions [TPD]		
County	**VOC**	**NO_X**	**CO**	**VOC**	**NO_X**	**CO**
Fairfield	109.7	55.8	537.3	121.6	51.5	478.7
Hartford	113.1	62.4	455.6	121.7	46.8	370.1
Litchfield	85.6	9.2	112.1	84.3	9.2	99.9
Middlesex	58.0	20.2	96.3	59.1	19.9	85.9
New Haven	103.6	47.2	373.6	112	42.5	328.2
New London	85.2	22.8	126.2	85.5	32.8	114.9
Tolland	52.8	8.0	63.4	53.7	7.5	55.8
Windham	64.0	7.3	59.6	64.8	7.5	51.6
Connecticut	**672.0**	**232.9**	**1,824.0**	**702.7**	**217.6**	**1,585.1**

Revised Table 6-1b. Ozone Precursor Summer Day Emissions by County 2011 (Table 1.3-2) and 2014 PEI (Revised Table 1-6) [TPD]

	2011 Emissions [TPD]			2014 Emissions [TPD]		
County	**VOC**	**NO_X**	**CO**	**VOC**	**NO_X**	**CO**
Fairfield	109.7	55.8	537.3	121.6	51.6	478.7
Hartford	113.1	62.4	455.6	121.7	46.8	370.1
Litchfield	85.6	9.2	112.1	84.3	9.2	99.9
Middlesex	58.0	20.2	96.3	59.1	19.9	85.9
New Haven	103.6	47.2	373.6	112.0	42.6	328.2
New London	85.2	22.8	126.2	85.3	32.8	113.5
Tolland	52.8	8.0	63.4	53.7	7.5	55.8
Windham	64.0	7.3	59.6	64.8	7.5	51.6
Connecticut	**672.0**	**232.9**	**1,824.0**	**702.5**	**217.8**	**1,583.8**

Emissions are expected to be generally higher in areas of higher population because of higher levels of economic activity and transportation related emissions. As shown in Table 6-2, emissions for all pollutants are highest for Fairfield, Hartford, and New Haven Counties. County emissions are roughly consistent with the percent of state population.

Table 6-2 was calculated by the reviewers based on the 2021 draft 2014 PEI and this table was not revised to reflect the new totals from the version of the 2014 PEI that was posted for public comment in December of 2023 since the totals will be updated for the final report.

Table 6-2: 2014 County Population and Emissions (Emissions from Table 1-4)

County	2014 Estimated Population	% of Total Population	CO [TPY]	% of Total CO	VOC [TPY]	% of Total VOC	NO_X [TPY]	% of Total NOx	$PM_{10\text{-}PRI}$ [TPY]	% of Total PM_{10}
Fairfield	945,438	26%	96,597	26%	24,141	19%	16,599	26%	5,299	19%
Hartford	897,985	25%	85,181	23%	25,786	20%	15,281	24%	5,510	20%
New Haven	861,277	24%	76,268	21%	22,716	18%	13,800	22%	4,181	15%
New London	273,676	8%	30,448	8%	14,411	11%	6,626	10%	3,392	12%
Litchfield	184,993	5%	25,743	7%	13,561	10%	2,880	5%	3,431	12%
Middlesex	164,943	5%	20,778	6%	9,614	7%	4,077	6%	1,888	7%
Tolland	151,367	4%	16,273	5%	9,087	7%	2,452	4%	2,070	8%
Windham	116,998	3%	14,380	4%	10,136	8%	2,180	3%	2,010	7%
State Total	**3,596,677**	**100%**	**365,667**	**100%**	**129,452**	**100%**	**63,895**	**100%**	**27,781**	**100%**

Table 6-2. (Continued) 2014 County Population and Emissions

County	2014 Estimated Population	% of Total Population	$PM_{25\text{-}PRI}$ [TPY]	% of Total $PM_{2.5}$	NH_3 [TPY]	% of Total NH_3	SO_2 [TPY]	% of Total SO_2	Lead [TPY]	% of Total Lead
Fairfield	945,438	26%	2,498	20%	589	14%	2,694	31%	0.4317	25%
Hartford	897,985	25%	2,457	20%	966	23%	1,584	19%	0.4760	27%
New Haven	861,277	24%	2,023	17%	639	15%	1,839	21%	0.3228	18%
New London	273,676	8%	1,340	11%	538	13%	803	9%	0.1349	8%
Litchfield	184,993	5%	1,341	11%	465	11%	451	5%	0.0766	4%
Middlesex	164,943	5%	881	7%	183	4%	619	7%	0.1001	6%
Tolland	151,367	4%	857	7%	375	9%	335	4%	0.0941	5%
Windham	116,998	3%	888	7%	449	11%	300	4%	0.1213	7%
State Total	**3,596,677**	**100%**	**12,286**	**100%**	**4,202**	**100%**	**8,625**	**100%**	**1.7575**	100%

Source of Population Estimate: State of Connecticut Department of Public Health, Connecticut Registration Report: Births, Deaths, and Marriages Calendar Year 2014, November 2015, Table 2A

6.1 POINT SOURCE QA/QC AUDIT

Section 2 Stationary Point Sources provides a thorough discussion describing the methods and procedures utilized to generate Connecticut's 2014 Point Source Inventory. The point source emissions inventory included all stationary commercial and industrial facilities that were major sources during calendar year 2014. These sources were required to submit emission statements reporting their actual 2014 emissions.

Beginning in 2014, companies were required to submit their emissions statements electronically via CT DEEP's software application, EMIT. The 2014 periodic stationary source inventory is based on the emissions statements, which reported the source's actual 2014 emissions signed by a corporate officer who attested to the accuracy of their calculations. Eighty sites submitted an emissions statement in 2014. Compliance with the emissions statement program was 100 percent from all the companies operating under a Title V permit during this year.

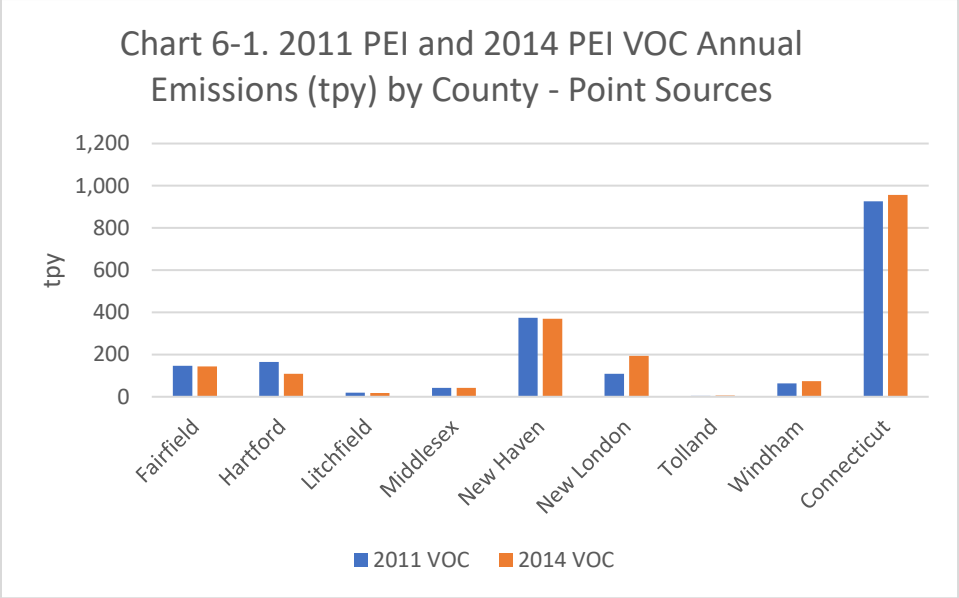
A comparison of the point source emissions reported in the 2011 PEI and the 2014 PEI is presented in Table 6-3 and Table 6-4.

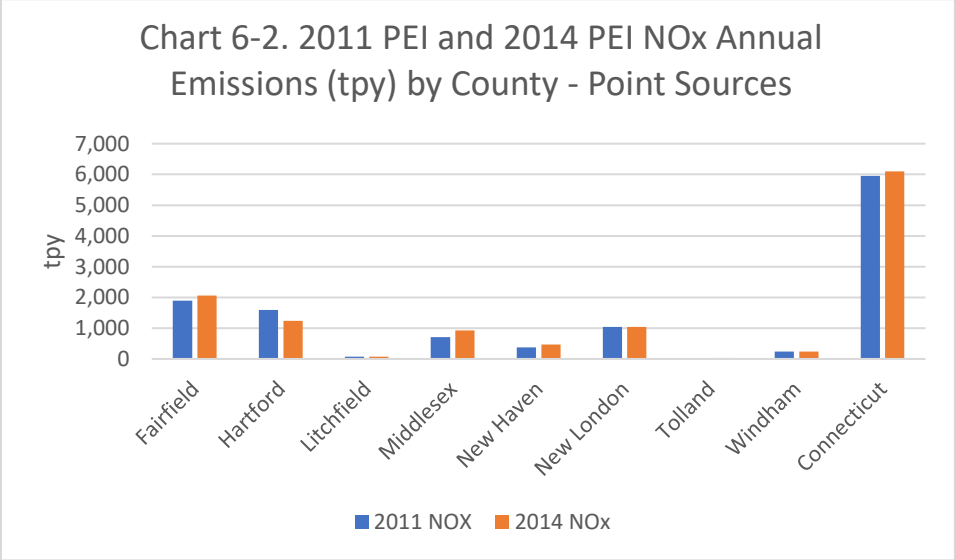
Table 6-3: County Annual [TPY] Emissions for Point Sources 2011 (Table 2.1-1) PEI and 2014 (Table 2-1) PEI

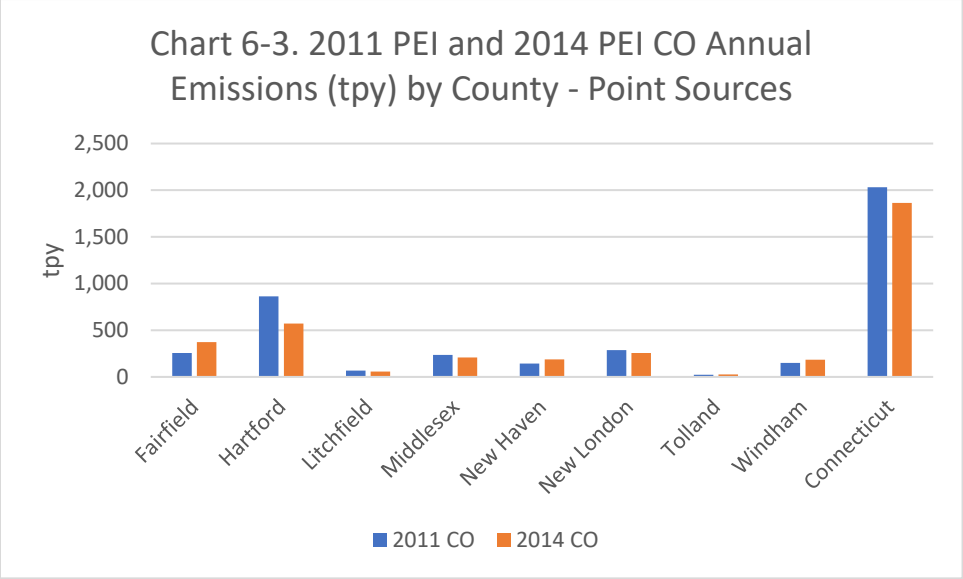
County	VOC 2011	VOC 2014	VOC Differential (2014-2011)	%Diff	NO_X 2011	NO_X 2014	NO_X Differential (2014-2011)	%Diff	CO 2011	CO 2014	CO Differential (2014-2011)	%Diff
Fairfield	146.6	144.08	-2.5	-1.7	1,895.5	2,061.66	166.2	8.1	257.8	373.21	115.4	30.9
Hartford	165.4	109.61	-55.8	-50.9	1,588.0	1,238.59	-349.4	-28.2	863.9	571.99	-291.9	-51.0
Litchfield	19.9	17.23	-2.7	-15.5	74.1	74.13	0.0	0.0	68.1	57.44	-10.7	-18.6
Middlesex	43.0	42.62	-0.4	-0.9	708.2	931.77	223.6	24.0	236.4	207.07	-29.3	-14.2
New Haven	374.1	369.30	-4.8	-1.3	376.1	472.85	96.8	20.5	142.2	189.28	47.1	24.9
New London	108.5	193.60	85.1	44.0	1,045.4	1,044.35	-1.1	-0.1	288.3	255.63	-32.7	-12.8
Tolland	4.3	5.97	1.7	28.0	26.2	28.69	2.5	8.7	24.9	25.53	0.6	2.5
Windham	63.8	73.44	9.6	13.1	243.5	241.83	-1.7	-0.7	151.0	184.50	33.5	18.2
Connecticut	**925.6**	**955.86**	**30.3**	**3.2**	**5,957.0**	**6,093.87**	**142.3**	**2.3**	**2,032.6**	**1,864.66**	**-167.9**	**-9.0**

Table 6-4: County Summer Day Emissions (lbs/day) for Point Sources 2011 (Table 2.1-2) PEI and 2014 (Table 2-2) PEI

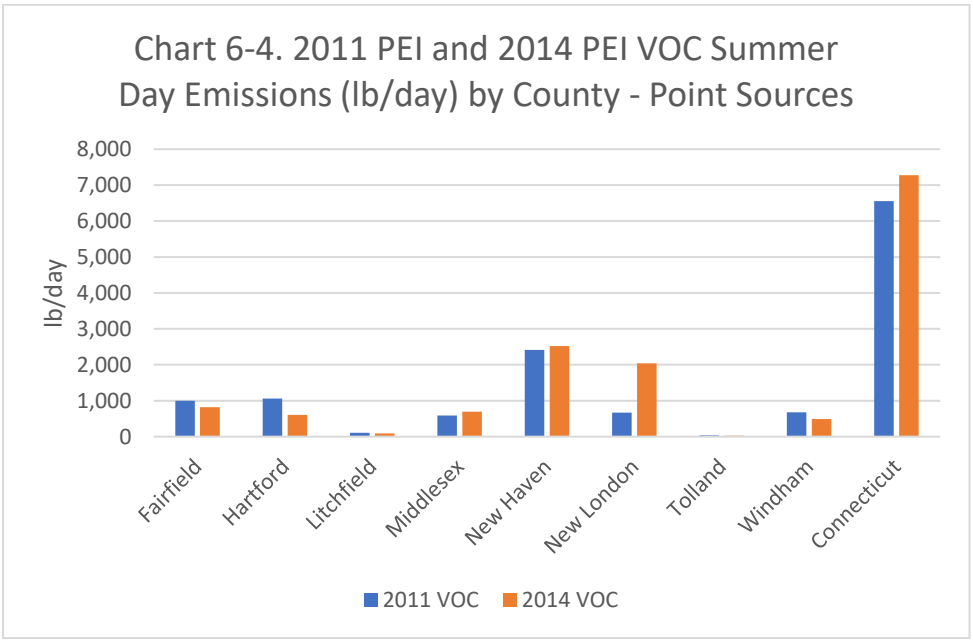
County	VOC 2011	VOC 2014	VOC Differential (2014-2011)	%Diff	NO_X 2011	NO_X 2014	NO_X Differential (2014-2011)	%Diff	CO 2011	CO 2014	CO Differential (2014-2011)	%Diff
Fairfield	996.3	818	-178	-22	14,057.7	10,517	-3,541	-34	2,087.0	1,508	-579	-38
Hartford	1,055.8	606	-450	-74	10,432.7	9,664	-769	-8	6,730.6	4,958	-1,773	-36
Litchfield	110.5	90	-21	-23	390.9	364	-27	-7	337.9	309	-29	-9
Middlesex	584.6	694	109	16	17,373.1	20,154	2,780	14	4,922.1	4,976	54	1
New Haven	2,416.7	2,517	100	4	5,636.9	3,600	-2,037	-57	1,657.4	2,359	702	30
New London	672.1	2,036	1,364	67	7,126.2	30,647	23,520	77	1,986.8	5,190	3,203	62
Tolland	34.5	26	-8	-30	416.6	211	-206	-98	229.8	153	-77	-50
Windham	680.9	490	-191	-39	1,626.2	1,964	338	17	1,036.9	1,557	520	33
Connecticut	**6,551.4**	**7,277**	**725**	**10**	**57,060.3**	**77,119**	**20,059**	**26**	**18,988.5**	**21,011**	**2,022**	**10**

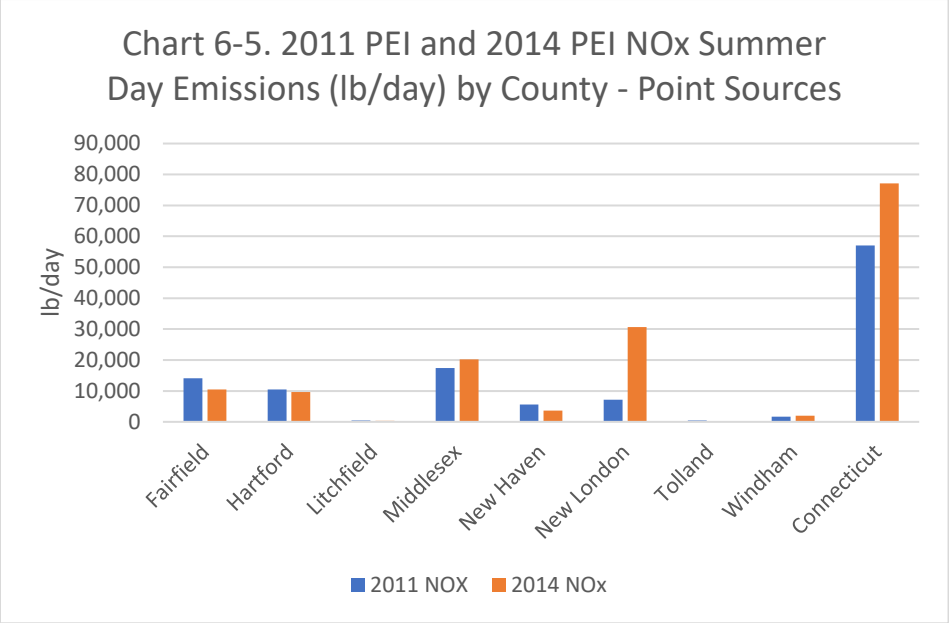

Chart 6-1. 2011 PEI and 2014 PEI VOC Annual Emissions (tpy) by County - Point Sources
1,200
1,000
800
600
400
200
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 VOC
2014 VOC

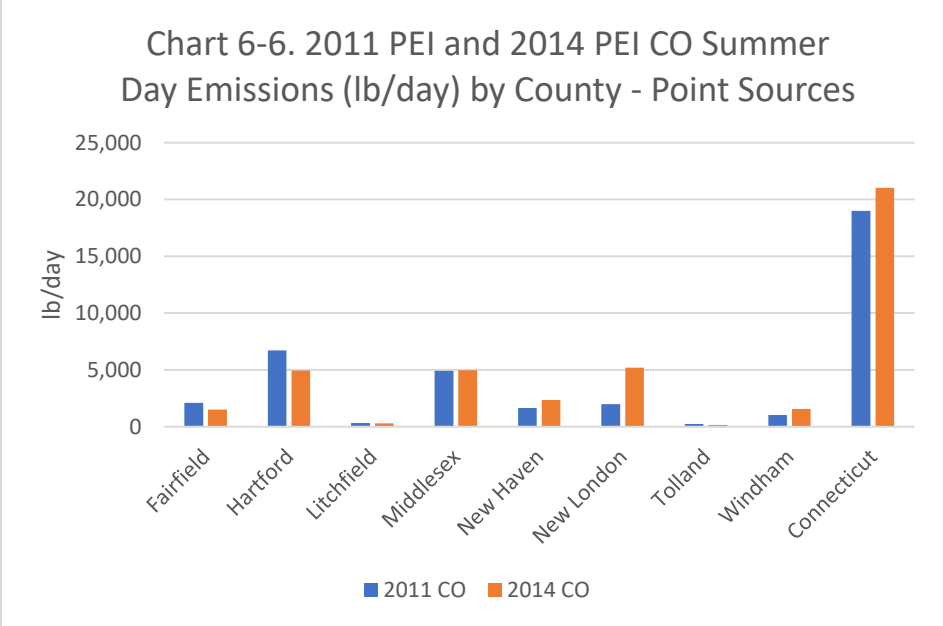

Chart 6-2. 2011 PEI and 2014 PEI NOx Annual Emissions (tpy) by County - Point Sources
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 NOX
2014 NOx



In Charts 6-1 through 6-6 it can be observed that the 2014 PEI and the 2011 PEI for point sources are generally comparable for annual and summer day emissions of VOC, NO_X and CO for each one of the counties in Connecticut. There are some differences at the county level, specifically for New London County where 2014 summer day emissions of VOC, NO_X and CO are higher than 2011 summer day emissions of these pollutants. However, looking at the cause of these local differences is outside of the scope of this review of the 2014 PEI.







Comparisons of the 2014 PEI and EPA's 2014 NEI annual point source emissions are presented in Table 6-5, Table 6-6, Table 6-7, and Table 6-8. In these tables and in charts 6-7, 6-8 and 6-9 it can be observed that there are no major discrepancies between the two inventories for all pollutants, except for lead and CO The NEI lead emissions are considerably higher than the PEI emissions for lead. This discrepancy was confirmed with the Air Quality, Modelling and Emissions Inventory Group to be a result of the NEI's inclusion of EPA's Toxic Release Inventory (TRI) of point source lead emissions instead of what the state provided in their submissions. It was suggested that the 2014 TRI lead emissions from the 2014 NEI be included in the 2014 PEIs. Other

discrepancies may be the result of industry's self-reporting, inspection, and enforcement corrections to submitted emissions after the closing of the NEI's submission window.

Discrepancies can also be attributed to the fact that data in the Air Emissions Inventory and Compliance Reporting Tool (EMIT), which is the data found in the PEI, can be submitted to EPA's Emissions Information System (EIS) only when the submission window is open. However, emissions updates can be submitted after this deadline. It was brought to our attention that a handful of facilities submitted updates after the January 2015 deadline.

The calculation routines used by EMIT have been thoroughly tested and shown to be correct. In addition, EMIT contains several validation checks to ensure that the value entered into a field is within an acceptable range. Therefore, further checks of the data were determined to be unnecessary.

Table 6-5: 2014 NEI V2 Point Sources [TPY]

County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3	Lead
Fairfield	159	2,071	744	121	111	1,047	56	0.3794
Hartford	229	1,678	1,648	60	56	139	253	0.3955
Litchfield	18	74	100	21	21	4	5	0.1328
Middlesex	44	918	267	93	90	194	11	0.0773
New Haven	383	490	466	73	70	322	38	0.2417
New London	204	1,064	366	36	34	137	61	0.0986
Tolland	8	30	103	19	18	3	7	0.0773
Windham	61	244	294	115	106	35	65	0.1069
Connecticut	**1,106**	**6,569**	**3,989**	**538**	**507**	**1,880**	**495**	**1.5095**

Table 6-6: 2014 (Table 2-1) PEI Point Sources [TPY]

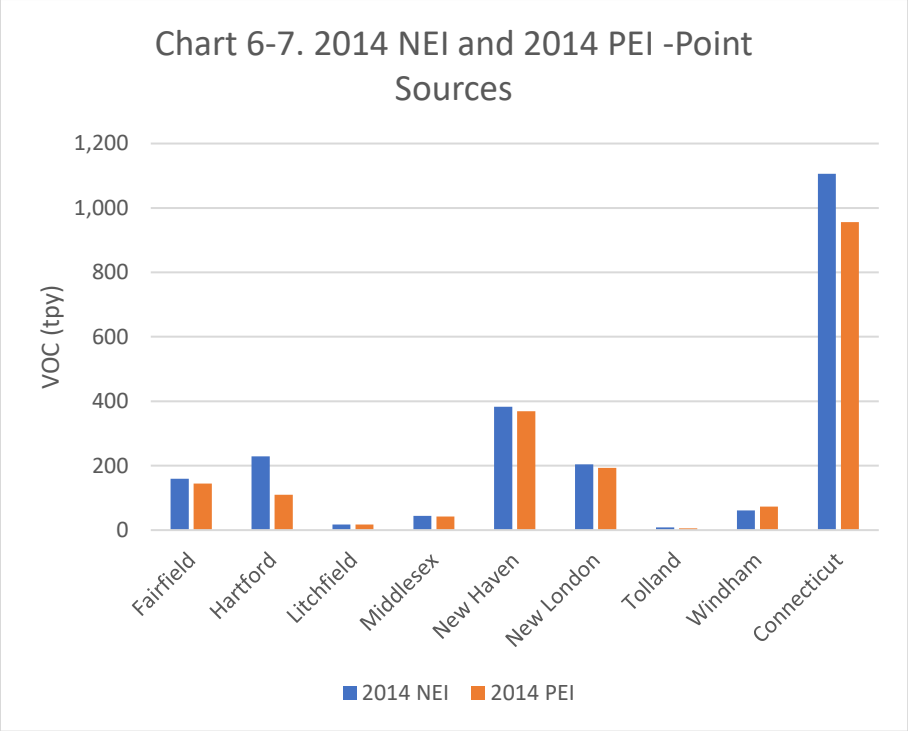
County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3	Lead
Fairfield	144.08	2,061.66	373.21	92.99	81.47	1,044.73	54.26	0.0069
Hartford	109.61	1,238.59	571.99	39.44	37.19	86.57	225.89	0.0459
Litchfield	17.23	74.13	57.44	20.56	20.55	3.62	4.81	0.0002
Middlesex	42.62	931.77	207.07	102.45	99.86	195.47	12.73	0.0200
New Haven	369.30	472.85	189.28	65.82	64.63	319.69	37.66	0.0067
New London	193.60	1,044.35	255.63	32.84	31.47	135.26	61.31	0.0123
Tolland	5.97	28.69	25.53	17.20	17.18	2.52	6.61	0.0007
Windham	73.44	241.83	184.50	112.97	102.81	34.80	64.72	0.0004
Connecticut	**955.86**	**6,093.87**	**1,864.66**	**484.28**	**455.16**	**1,822.66**	**467.98**	**0.0931**

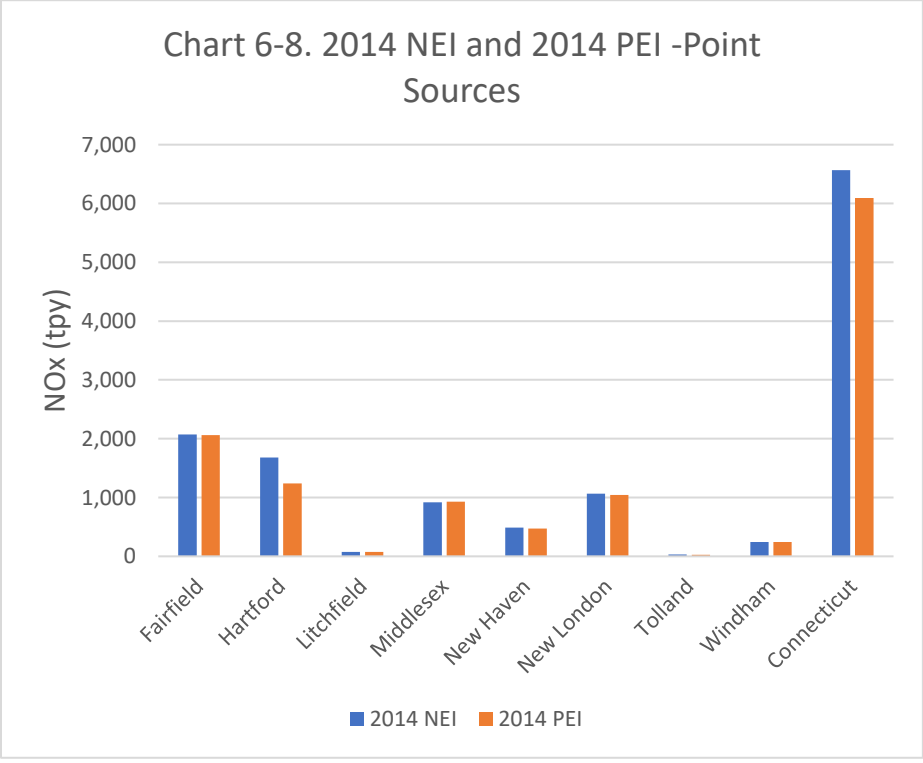
Table 6-7: Differential (NEI - PEI) [TPY]

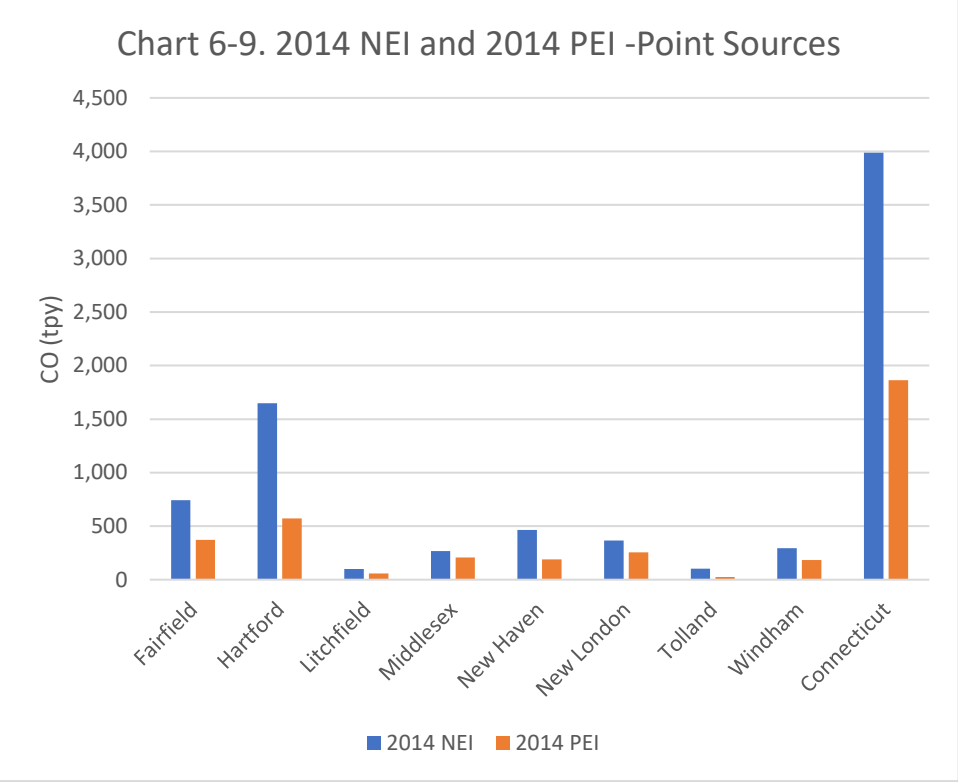
County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3	Pb
Fairfield	15.05	9.51	370.50	28.34	29.39	1.90	1.85	0.3725
Hartford	119.23	439.11	1,076.38	20.89	19.22	52.29	26.90	0.3496
Litchfield	0.61	0.26	42.29	0.84	0.59	0.05	0.00	0.1326
Middlesex	1.54	-14.26	60.33	-9.70	-10.01	-1.02	-1.90	0.0573
New Haven	13.33	17.02	276.29	6.75	5.50	2.20	0.36	0.2350
New London	10.53	19.53	110.82	3.11	2.72	1.81	0.00	0.0863
Tolland	2.06	0.94	77.83	1.63	1.25	0.19	0.00	0.0766
Windham	-12.09	2.61	109.73	2.37	2.86	0.38	0.00	0.1065
Connecticut	**150.27**	**474.72**	**2,124.17**	**54.21**	**51.52**	**57.79**	**27.22**	**1.4164**

Table 6-8: Differential (%) (NEI-PEI)*100/NEI

County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3	Pb
Fairfield	9.5	0.5	49.8	23.4	26.5	0.2	3.3	98.2
Hartford	52.1	26.2	65.3	34.6	34.1	37.7	10.6	88.4
Litchfield	3.4	0.4	42.4	3.9	2.8	1.3	0.0	99.8
Middlesex	3.5	-1.6	22.6	-10.5	-11.1	-0.5	-17.5	74.1
New Haven	3.5	3.5	59.3	9.3	7.8	0.7	1.0	97.2
New London	5.2	1.8	30.2	8.7	7.9	1.3	0.0	87.5
Tolland	25.6	3.2	75.3	8.6	6.8	7.0	-0.1	99.1
Windham	-19.7	1.1	37.3	2.1	2.7	1.1	0.0	99.6
Connecticut	**13.6**	**7.2**	**53.3**	**10.1**	**10.2**	**3.1**	**5.5**	**93.8**


Chart 6-7. 2014 NEI and 2014 PEI -Point Sources
VOC (tpy)
1,200
1,000
800
600
400
200
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI


Chart 6-8. 2014 NEI and 2014 PEI -Point Sources
NOx (tpy)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI


Chart 6-9. 2014 NEI and 2014 PEI -Point Sources
CO (tpy)
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI

6.2 MOBILE SOURCE QA/QC AUDIT

MOVES2014b was run for each county in Connecticut using the county's specific data inputs. Summer emissions of VOC, NO_X and CO were verified and annual emissions of VOC, NO_X, CO, $PM_{10\text{-}PRI}$, $PM_{2.5\text{-}PRI}$, NH_3 and SO_2 were verified.

Table 6-9 through Table 6-12 of this section show a comparison of mobile sources emissions for 2011 and 2014. There were no major discrepancies between the 2014 PEI and the 2011 PEI except for the annual non-road emissions of VOCs from the 2021 draft version of the 2014 PEI (Table 6-10a) compared to the 2011 annual VOC non-road emissions. The highlighted cells in Table 6-10a from the 2021 draft version of the 2014 PEI show the VOC annual emissions for the non-road sector are very low compared to the 2011 VOC annual non-road emissions. The differences mentioned above were shared with the Air Quality, Modelling and Emissions Inventory Group. Adjustments were made and a comparison of the revised 2014 PEI and the 2011 PEI non-road annual emissions is presented in Table 6-10b. A comparison of the 2014 PEI and 2014 NEI on-road and non-road emissions can be found in Table 6-13 to Table 6-20.

Charts 6-10a, 6-10b, 6-11 and 6-12 show graphically the 2014 PEI on-road annual emissions of VOC, NO_X and CO compared with the 2011 PEI on-road annual emissions of those pollutants. Charts 6-13a, 6-12, 6-13, 6-14 and 6-15 show 2014 PEI Vs 2011 PEI non-road annual emissions for VOC, $NO_X$and CO. The difference between VOC emissions for the 2014 PEI and the 2011 PEI is evident in chart 6-13a. Chart 6-13b shows the revised annual non-road VOC emissions from the 2011 PEI and the 2014 PEI that was posted for public comment in December of 2023. After the 2014 PEI was posted for public comment in December of 2023 the reviewers made an additional observation in this sector evidenced by the big difference between the 2014 PEI and the 2014 NEI values, especially for NH_3. The columns containing SO_2 and NH_3 annual emissions for the non-road sector were transposed. This finding was communicated to the Air Quality, Modelling and Emissions Inventory Group. The final version of the 2014 PEI should include revised tables for annual emissions for the non-road sector.

Charts 6-16 through 6-21 present comparisons of the 2014 PEI and 2011PEI for summer day emissions of VOC, NO_X and CO, for the on-road and non-road sectors.

In charts 6-22 through 6-27 it can be observed the graphical difference between the 2014 PEI and the 2014 NEI for the on-road and non-road sectors for annual emissions of VOC, NOx and CO. Chart 6-25a shows once again the VOC annual emissions for the non-road sector seem very small. Chart 25b presents a revised comparison.

Table 6-9: 2014 (Table 3-1) Vs 2011 (Table 3.1-1) On-road Annual Emissions [TPY]

County	2011 VOC	2014 VOC	VOC Differential (2014-2011)	% Diff	2011 NOX	2014 NOx	NOx Differential (2014-2011)	% Diff	2011 CO	2014 CO	CO Differential (2014-2011)	% Diff
Fairfield	5,657.7	4,530.0	-1,127.7	-24.9	9,805.5	7,497.0	-2,308.5	-30.8	61,725.0	46,324.0	-15,401.0	-33.2
Hartford	5,562.2	4,562.0	-1,000.2	-21.9	10,018.4	7,959.0	-2,059.4	-25.9	63,362.6	47,869.0	-15,493.6	-32.4
Litchfield	1,342.3	1,104.0	-238.3	-21.6	1,803.2	1,431.0	-372.2	-26.0	14,023.0	10,283.0	-3,740.0	-36.4
Middlesex	1,169.0	973.0	-196.0	-20.1	2,238.9	1,807.0	-431.9	-23.9	13,628.7	10,400.0	-3,228.7	-31.0
New Haven	5,086.4	4,207.0	-879.4	-20.9	9,299.8	7,479.0	-1,820.8	-24.3	57,507.3	43,918.0	-13,589.3	-30.9
New London	1,834.7	1,507.0	-327.7	-21.7	3,668.3	2,865.0	-803.3	-28.0	21,238.4	15,928.0	-5,310.4	-33.3
Tolland	1,018.5	851.0	-167.5	-19.7	1,923.9	1,593.0	-330.9	-20.8	11,363.6	8,682.0	-2,681.6	-30.9
Windham	774.5	638.0	-136.5	-21.4	1,323.1	1,057.0	-266.1	-25.2	8,564.8	6,373.0	-2,191.8	-34.4
Connecticut	**22,445.4**	**18,371.0**	**-4,074.4**	**-22.2**	**40,081.0**	**31,687.0**	**-8,394.0**	**-26.5**	**251,413.4**	**189,776.0**	**-61,637.4**	**-32.5**

Table 6-10a: 2014 (Table 3-2 of the 2021 Draft 2014 PEI) Vs 2011 (Table 3.1-2) Non-road Annual Emissions [TPY]

County	VOC 2011	VOC 2014	VOC Differential (2014-2011)	% Diff	NO_X 2011	NO_X 2014	NO_X Differential (2014-2011)	% Diff	CO 2011	CO 2014	CO Differential (2014-2011)	% Diff
Fairfield	4,499.9	420.0	-4,079.9	-971.4	4,510.0	3,574.0	-936.0	-26.2	51,214.4	41,170.0	-10,044.4	-24.4
Hartford	2,784.2	356.0	-2,428.2	-682.1	3,283.2	2,572.0	-711.2	-27.7	35,682.3	27,396.0	-8,286.3	-30.2
Litchfield	1,995.9	70.0	-1,925.9	2,751.2	770.4	614.0	-156.4	-25.5	11,749.4	8,543.0	-3,206.4	-37.5
Middlesex	1,229.5	53.0	-1,176.5	2,219.9	1,315.4	678.0	-637.4	-94.0	8,322.3	6,348.0	-1,974.3	-31.1
New Haven	2,956.8	236.0	-2,720.8	1,152.9	3,852.4	2,916.0	-936.4	-32.1	31,480.4	24,554.0	-6,926.4	-28.2
New London	2,091.8	74.0	-2,017.8	2,726.7	2,265.5	1,669.0	-596.5	-35.7	10,994.3	8,185.0	-2,809.3	-34.3
Tolland	554.8	28.0	-526.8	1,881.3	430.8	334.0	-96.8	-29.0	4,278.2	3,228.0	-1,050.2	-32.5
Windham	938.4	29.0	-909.4	3,135.8	540.3	434.0	-106.3	-24.5	5,210.9	3,608.0	-1,602.9	-44.4
Connecticut	17,051.2	1,265.0	-15,786.2	1,247.9	16,968.0	12,792.0	-4,176.0	-32.6	158,932.3	123,030.0	-35,902.3	-29.2

Table 6-10b. 2014 (Table 3-2 of the 2014 PEI for public comment) Vs 2011 (Table 3.1-2) Non-road Annual Emissions [TPY]

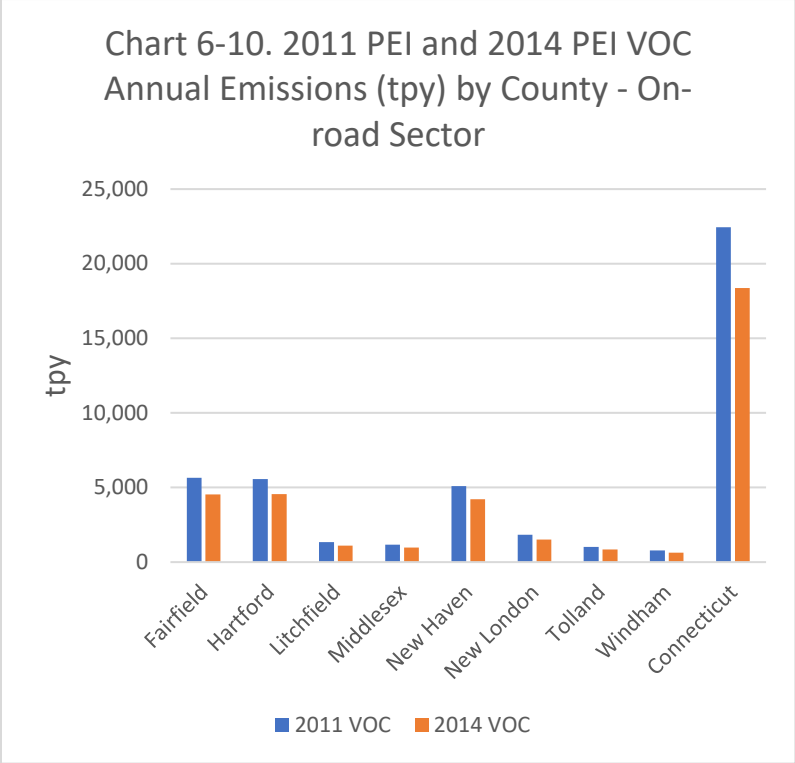
County	VOC 2011	VOC 2014	VOC Differential (2014-2011)	% Diff	NO_X 2011	NO_X 2014	NO_X Differential (2014-2011)	% Diff	CO 2011	CO 2014	CO Differential (2014-2011)	% Diff
Fairfield	4,499.9	3,070.0	-1,429.9	-46.6	4,510.0	3,574.0	-936.0	-26.2	51,214.4	41,170.0	-10,044.4	-24.4
Hartford	2,784.2	1,878.0	-906.2	-48.3	3,283.2	2,572.0	-711.2	-27.7	35,682.3	27,396.0	-8,286.3	-30.2
Litchfield	1,995.9	1,055.0	-940.9	-89.2	770.4	614.0	-156.4	-25.5	11,749.4	8,543.0	-3,206.4	-37.5
Middlesex	1,229.5	696.0	-533.5	-76.7	1,315.4	678.0	-637.4	-94.0	8,322.3	6,348.0	-1,974.3	-31.1
New Haven	2,956.8	1,935.0	-1,021.8	-52.8	3,852.4	2,916.0	-936.4	-32.1	31,480.4	24,554.0	-6,926.4	-28.2
New London	2,091.8	1,139.0	-952.8	-83.6	2,265.5	1,669.0	-596.5	-35.7	10,994.3	8,185.0	-2,809.3	-34.3
Tolland	554.8	312.0	-242.8	-77.8	430.8	334.0	-96.8	-29.0	4,278.2	3,228.0	-1,050.2	-32.5
Windham	938.4	437.0	-501.4	-114.7	540.3	434.0	-106.3	-24.5	5,210.9	3,608.0	-1,602.9	-44.4
Connecticut	17,051.2	10,523.0	-6,528.2	-62.0	16,968.0	12,792.0	-4,176.0	-32.6	158,932.3	123,030.0	-35,902.3	-29.2

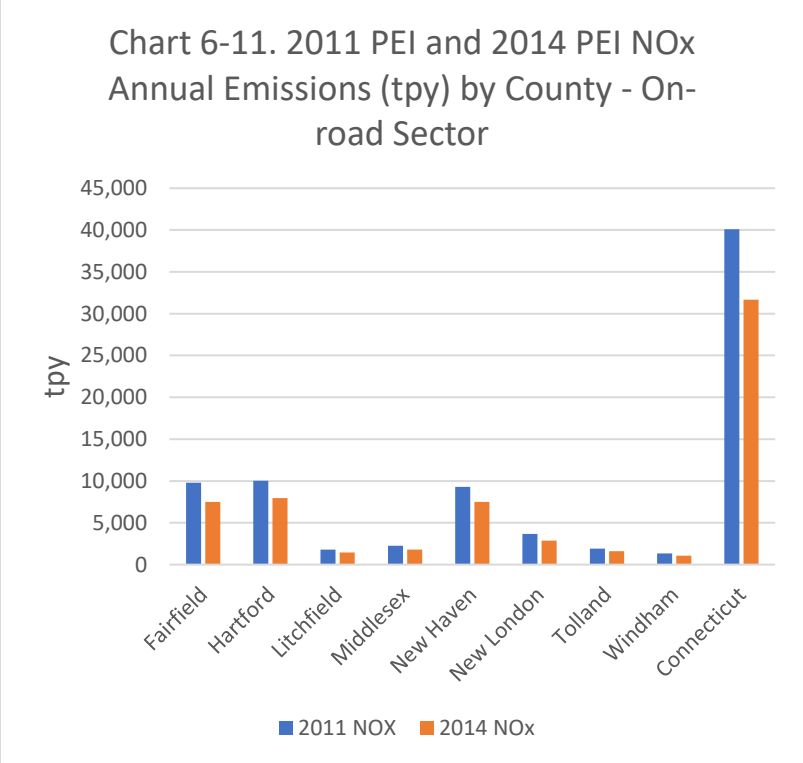
Table 6-11: 2014 (Table 3-3) Vs 2011 (Table 3.1-3) Summer Day On-road Emissions Summary by County (lbs/day)

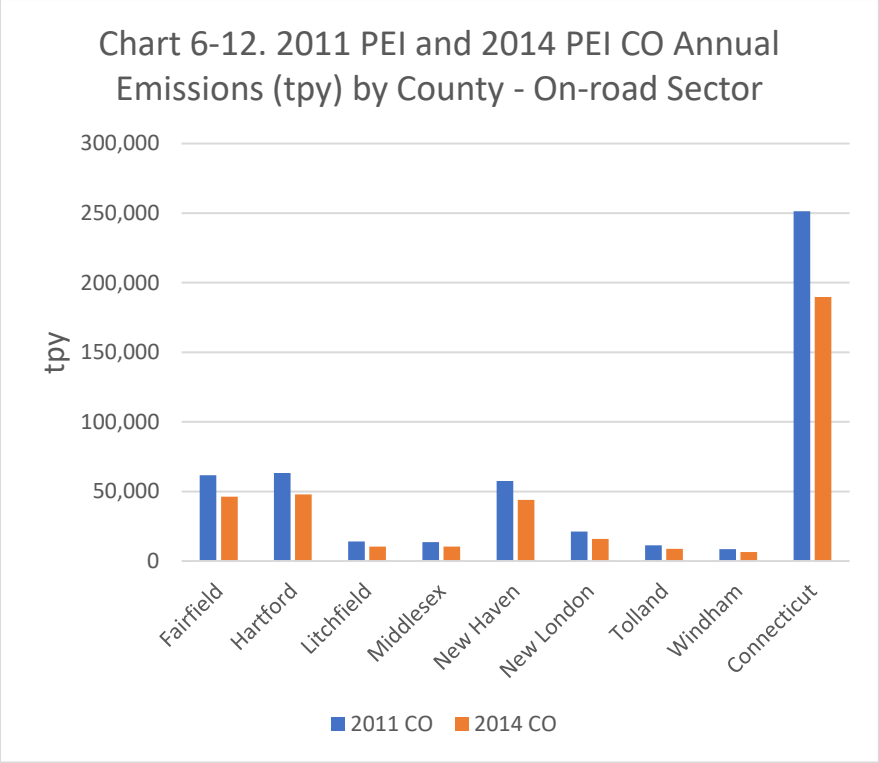
County	VOC 2011	VOC 2014	VOC Differential (2014-2011)	% Diff	NO_X 2011	NO_X 2014	NO_X Differential (2014-2011)	% Diff	CO 2011	CO 2014	CO Differential (2014-2011)	% Diff
Fairfield	31,811.9	25,425.0	-6,386.9	-25.1	59,815.5	41,231.0	-18,584.5	-45.1	319,049.8	285,762.0	-33,287.8	-11.6
Hartford	31,914.6	25,754.0	-6,160.6	-23.9	60,077.9	44,216.0	-15,861.9	-35.9	341,599.7	299,336.0	-42,263.7	-14.1
Litchfield	7,458.1	5,987.0	-1,471.1	-24.6	10,606.0	7,845.0	-2,761.0	-35.2	66,053.4	57,800.0	-8,253.4	-14.3
Middlesex	6,564.8	5,459.0	-1,105.8	-20.3	13,036.1	9,928.0	-3,108.1	-31.3	73,046.1	65,626.0	-7,420.1	-11.3
New Haven	28,408.3	23,487.0	-4,921.3	-21.0	56,277.4	41,033.0	-15,244.4	-37.2	302,433.5	274,590.0	-27,843.5	-10.1
New London	10,845.5	8,703.0	-2,142.5	-24.6	21,790.3	16,016.0	-5,774.3	-36.1	118,511.9	102,035.0	-16,476.9	-16.1
Tolland	5,877.7	4,808.0	-1,069.7	-22.2	11,298.5	8,847.0	-2,451.5	-27.7	60,706.6	54,097.0	-6,609.6	-12.2
Windham	4,481.8	3,585.0	-896.8	-25.0	7,820.3	5,877.0	-1,943.3	-33.1	44,830.5	38,828.0	-6,002.5	-15.5
Connecticut	127,362.9	103,208.0	-24,154.9	-23.4	240,721.9	174,992.0	-65,729.9	-37.6	1,326,231.5	1,178,072.0	-148,159.5	-12.6

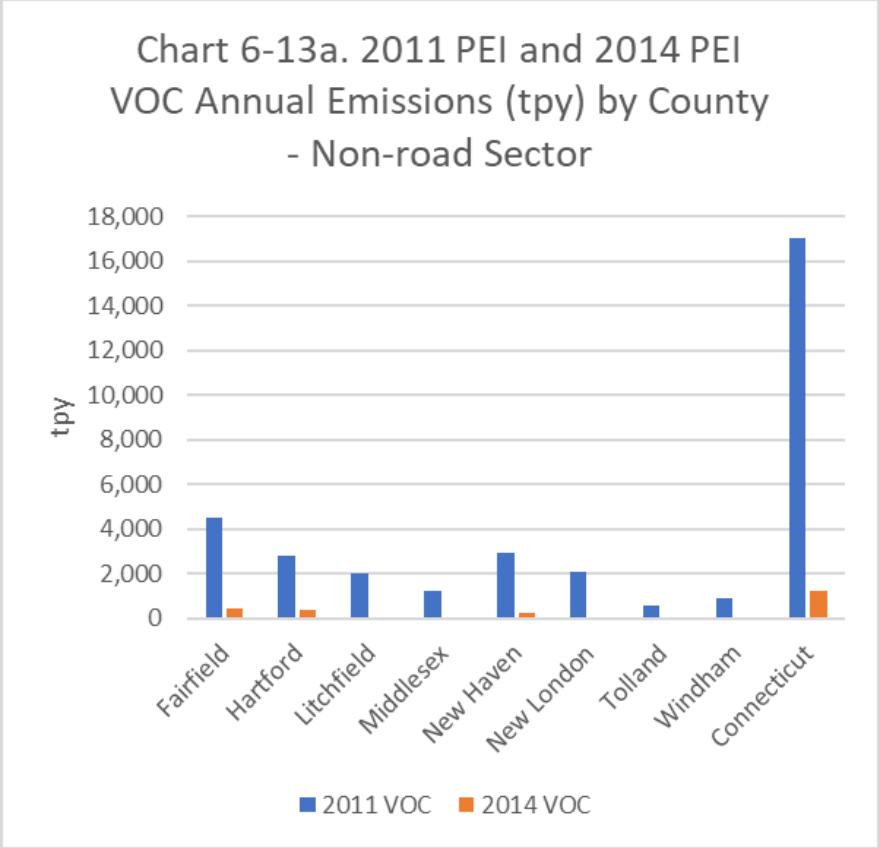
Table 6-12: 2014 (Table 3-4) Vs 2011 (Table 3.1-4) Summer Day Non-road Emissions by County (lbs/day)

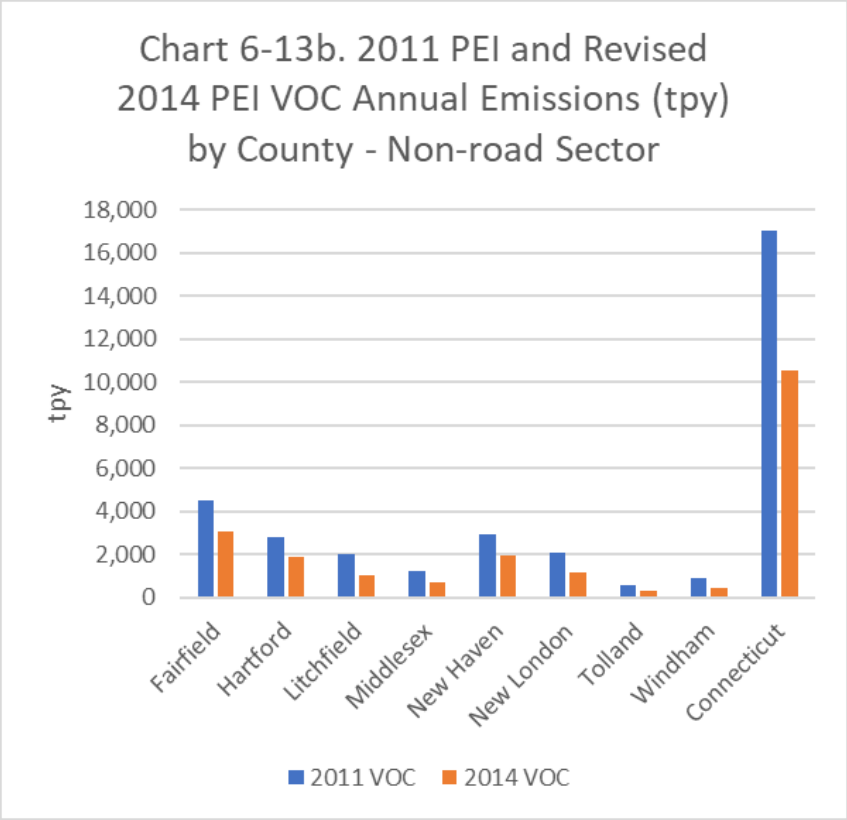
County	VOC 2011	VOC 2014	VOC Differential (2014-2011)	% Diff	NO_X 2011	NO_X 2014	NO_X Differential (2014-2011)	% Diff	CO 2011	CO 2014	CO Differential (2014-2011)	% Diff
Fairfield	38,035.1	36,952.0	-1,083.1	-2.9	30,597.4	42,157.0	11,559.6	27.4	738,179.7	646,258.0	-91,921.7	-14.2
Hartford	29,313.3	22,270.0	-7,043.3	-31.6	46,034.3	30,183.0	-15,851.3	-52.5	543,284.9	408,603.0	-134,681.9	-33.0
Litchfield	14,588.6	12,022.0	-2,566.6	-21.3	5,230.0	7,804.0	2,574.0	33.0	138,015.2	123,244.0	-14,771.2	-12.0
Middlesex	13,325.0	8,746.0	-4,579.0	-52.4	8,395.9	7,801.0	-594.9	-7.6	104,212.3	90,199.0	-14,013.3	-15.5
New Haven	32,229.9	23,661.0	-8,568.9	-36.2	25,976.3	32,816.0	6,839.7	20.8	427,983.6	356,416.0	-71,567.6	-20.1
New London	17,487.6	14,820.0	-2,667.6	-18.0	14,023.1	15,899.0	1,875.9	11.8	117,143.8	107,403.0	-9,740.8	-9.1
Tolland	4,837.9	4,018.0	-819.9	-20.4	3,076.2	4,537.0	1,460.8	32.2	54,828.3	46,874.0	-7,954.3	-17.0
Windham	7,707.5	5,804.0	-1,903.5	-32.8	3,877.8	5,797.0	1,919.2	33.1	61,025.3	51,480.0	-9,545.3	-18.5
Connecticut	157,524.9	128,293.0	-29,231.9	-22.8	137,211.0	146,995.0	9,784.0	6.7	2,184,673.2	1,830,478.0	-354,195.2	-19.3

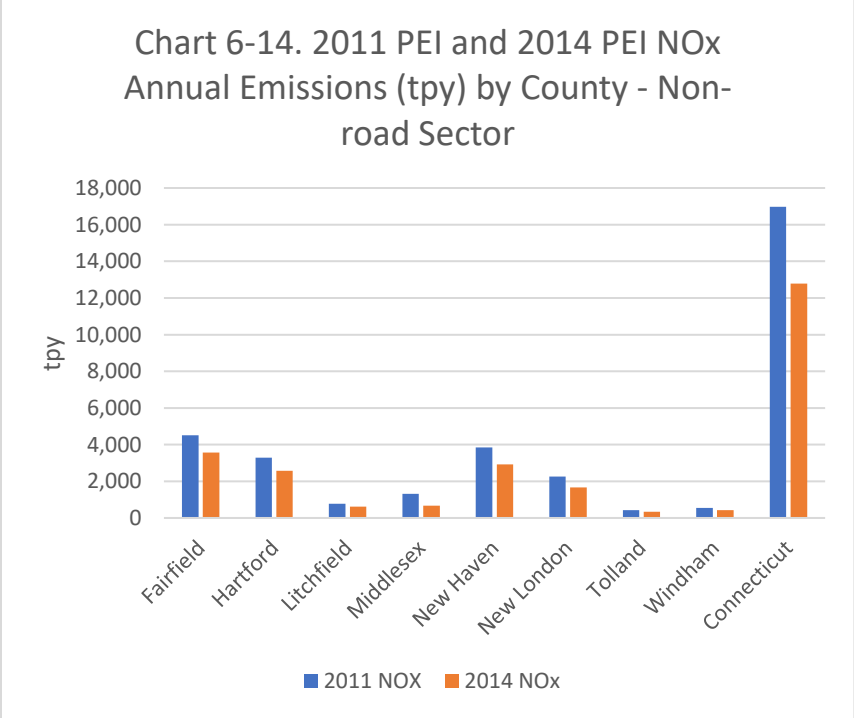

Chart 6-10. 2011 PEI and 2014 PEI VOC Annual Emissions (tpy) by County - On-road Sector
25,000
20,000
15,000
10,000
5,000
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 VOC
2014 VOC

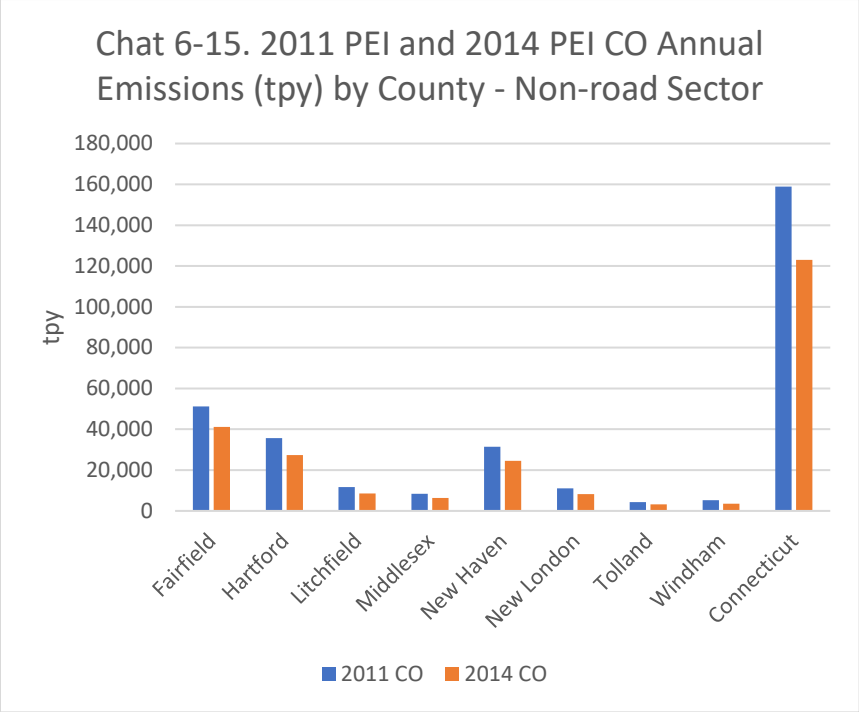

Chart 6-11. 2011 PEI and 2014 PEI NOx Annual Emissions (tpy) by County - On-road Sector
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 NOX
2014 NOx

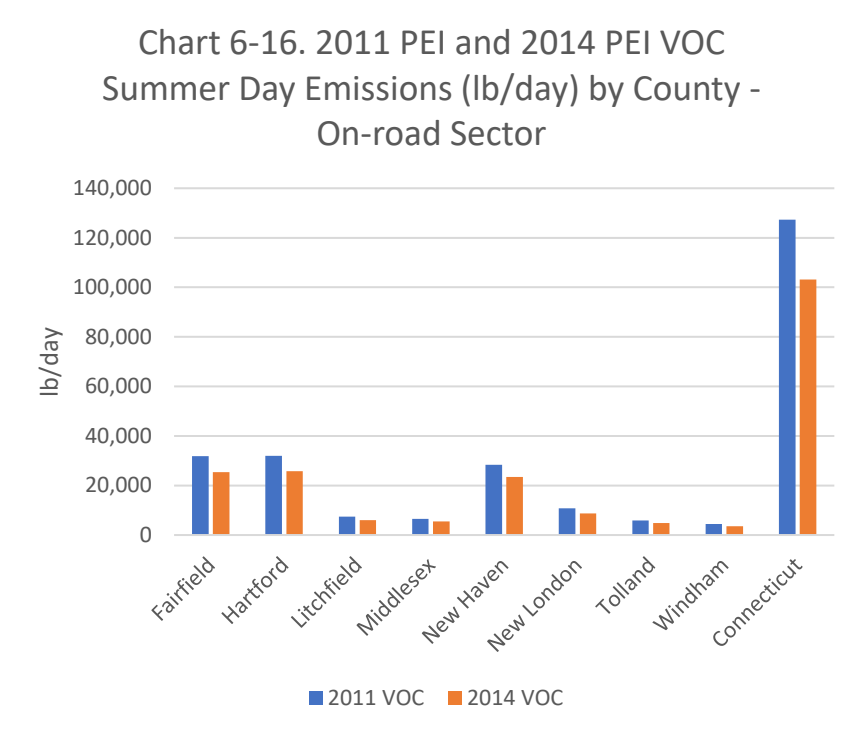

Chart 6-12. 2011 PEI and 2014 PEI CO Annual Emissions (tpy) by County - On-road Sector
300,000
250,000
200,000
150,000
100,000
50,000
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 CO
2014 CO

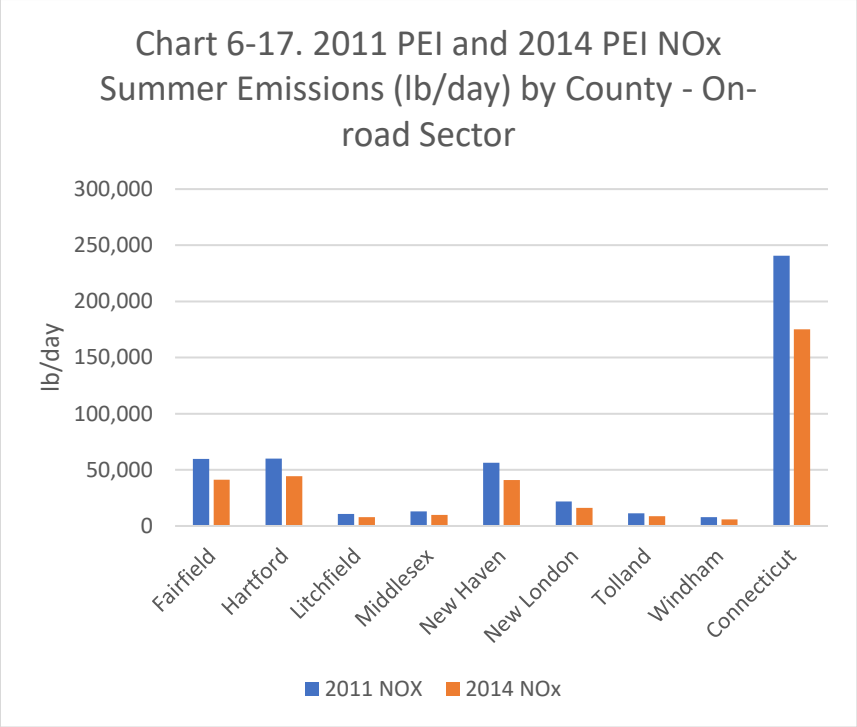

Chart 6-13a. 2011 PEI and 2014 PEI VOC Annual Emissions (tpy) by County - Non-road Sector
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 VOC
2014 VOC

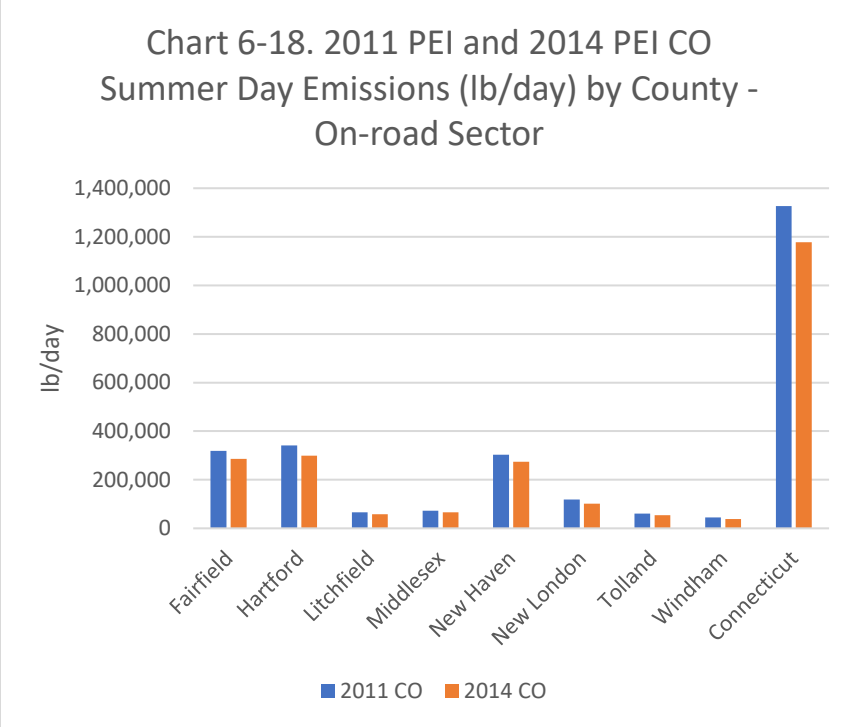

Chart 6-13b. 2011 PEI and Revised 2014 PEI VOC Annual Emissions (tpy) by County - Non-road Sector
tpy
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 VOC
2014 VOC

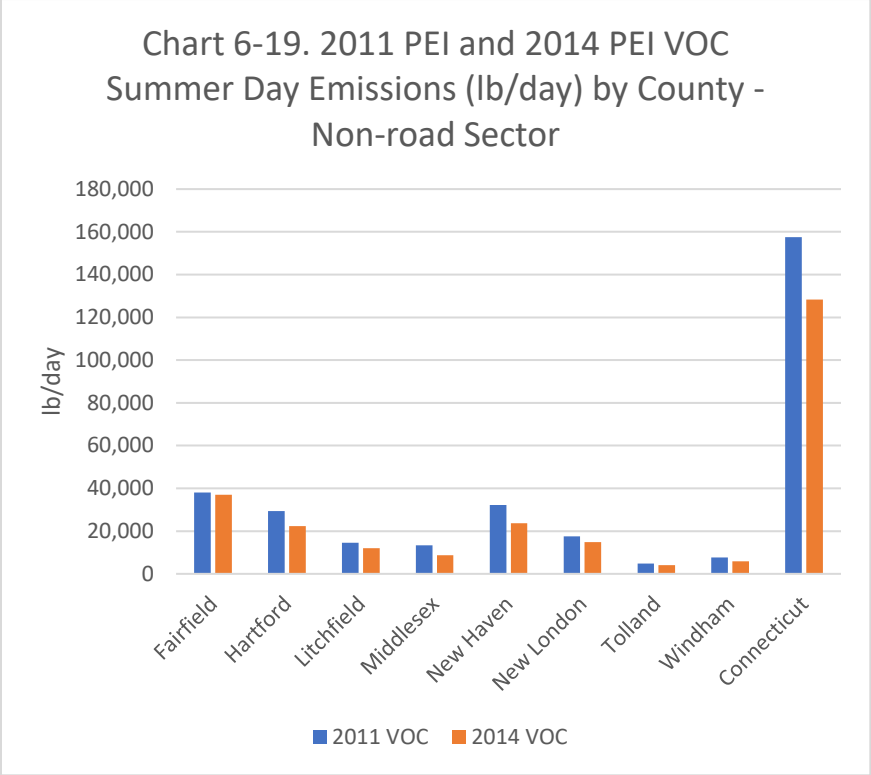

Chart 6-14. 2011 PEI and 2014 PEI NOx Annual Emissions (tpy) by County - Non-road Sector
tpy
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 NOX
2014 NOx

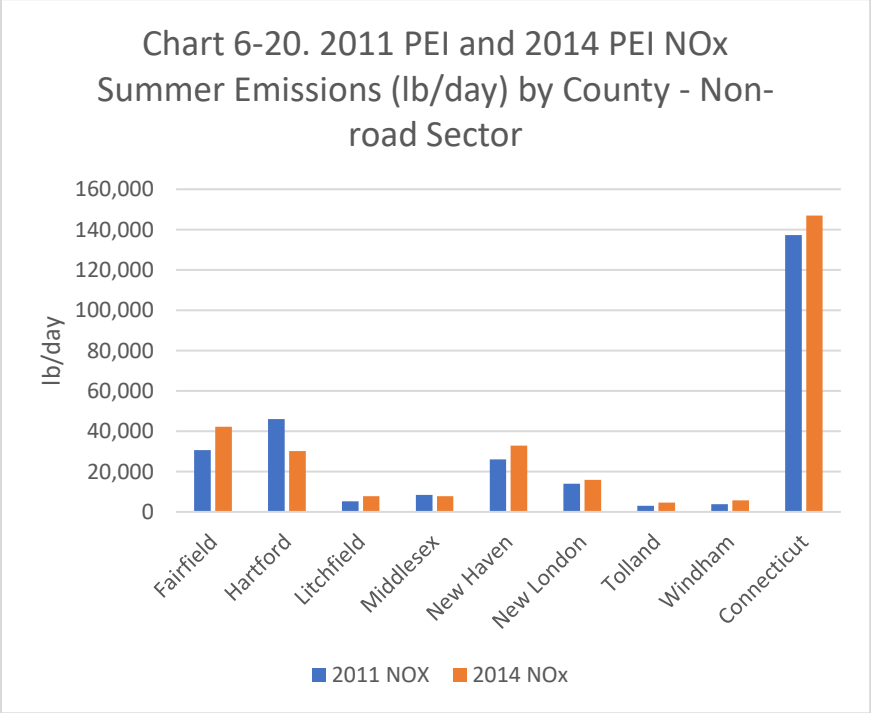

Chat 6-15. 2011 PEI and 2014 PEI CO Annual Emissions (tpy) by County - Non-road Sector
tpy
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 CO
2014 CO

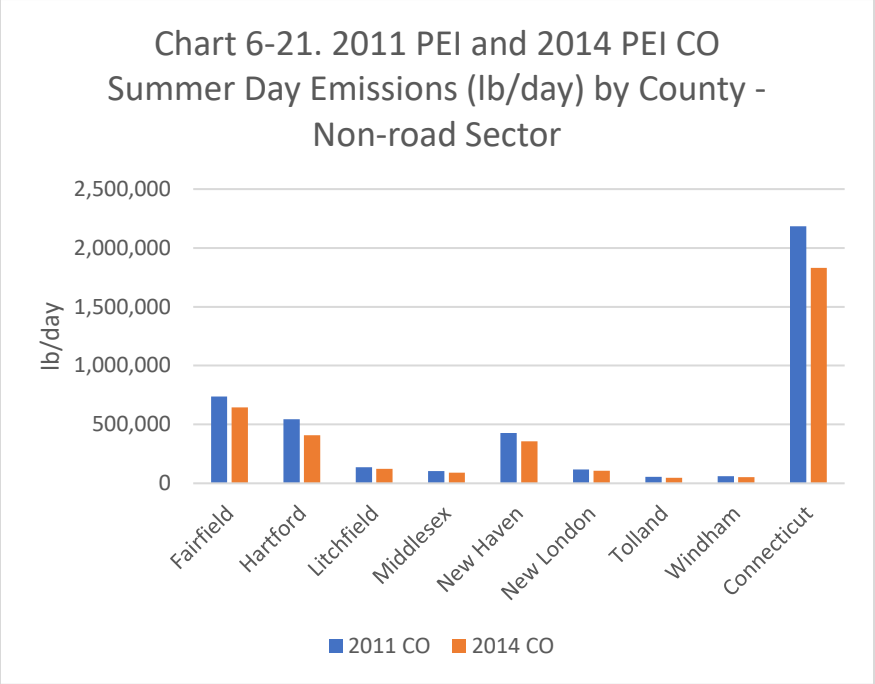

Chart 6-16. 2011 PEI and 2014 PEI VOC Summer Day Emissions (lb/day) by County - On-road Sector
lb/day
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 VOC
2014 VOC


Chart 6-17. 2011 PEI and 2014 PEI NOx Summer Emissions (lb/day) by County - On-road Sector
300,000
250,000
200,000
150,000
100,000
50,000
0
lb/day
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 NOX
2014 NOx


Chart 6-18. 2011 PEI and 2014 PEI CO Summer Day Emissions (lb/day) by County - On-road Sector
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
lb/day
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 CO
2014 CO


Chart 6-19. 2011 PEI and 2014 PEI VOC Summer Day Emissions (lb/day) by County - Non-road Sector
lb/day
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 VOC
2014 VOC


Chart 6-20. 2011 PEI and 2014 PEI NOx Summer Emissions (lb/day) by County - Non-road Sector
lb/day
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 NOX
2014 NOx


Chart 6-21. 2011 PEI and 2014 PEI CO Summer Day Emissions (lb/day) by County - Non-road Sector
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
lb/day
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2011 CO
2014 CO

6.2.1 ON-ROAD2014 PEI Vs 2014 NEI

Table 6-13: 2014 NEI V2 On-road Annual Emissions [TPY]

County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3
Fairfield	5,154	7,466	50,719	578	254	69	234
Hartford	5,063	7,283	52,193	550	247	72	257
Litchfield	1,233	1,454	11,522	109	49	14	46
Middlesex	1,075	1,734	10,998	101	52	16	58
New Haven	4,676	7,299	46,909	513	242	66	237
New London	1,708	2,802	17,467	190	89	26	94
Tolland	961	1,602	9,781	109	52	14	50
Windham	722	1,035	7,113	74	34	10	34
Connecticut	20,593	30,676	206,701	2,222	1,019	286	1,009

Table 6-14: 2014 (Table 3-1) PEI On-road Annual Emissions [TPY]

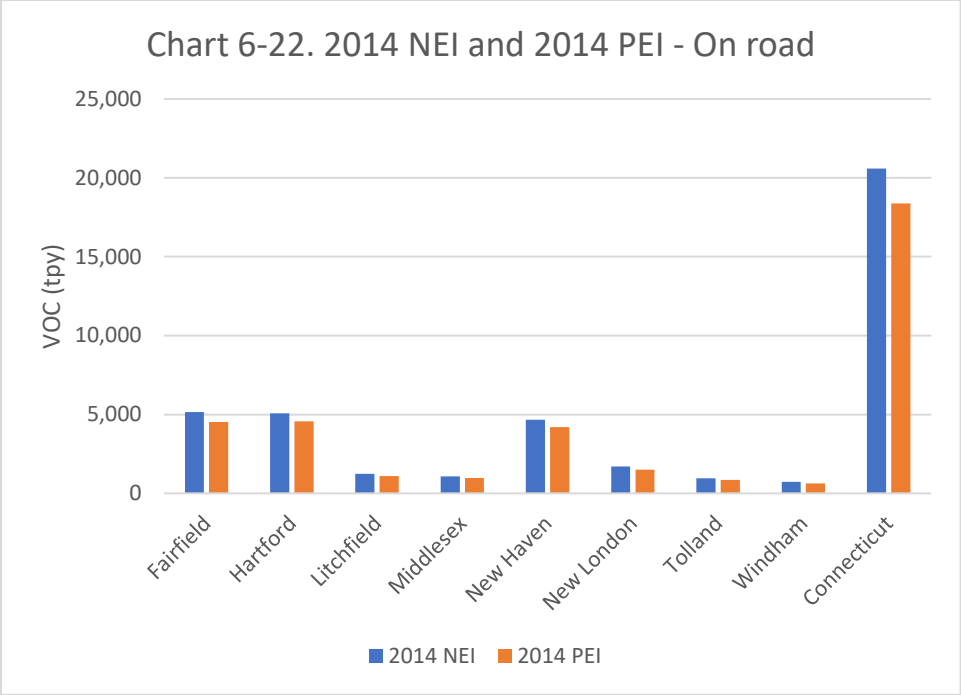
County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3
Fairfield	4,530	7,497	46,324	474	224	65	243
Hartford	4,562	7,959	47,869	502	246	69	263
Litchfield	1,104	1,431	10,283	88	44	12	46
Middlesex	973	1,807	10,400	99	51	15	60
New Haven	4,207	7,479	43,918	468	227	64	248
New London	1,507	2,865	15,928	165	81	25	96
Tolland	851	1,593	8,682	93	46	13	51
Windham	638	1,057	6,373	62	32	9	34
Connecticut	18,371	31,687	189,776	1,951	951	272	1,041

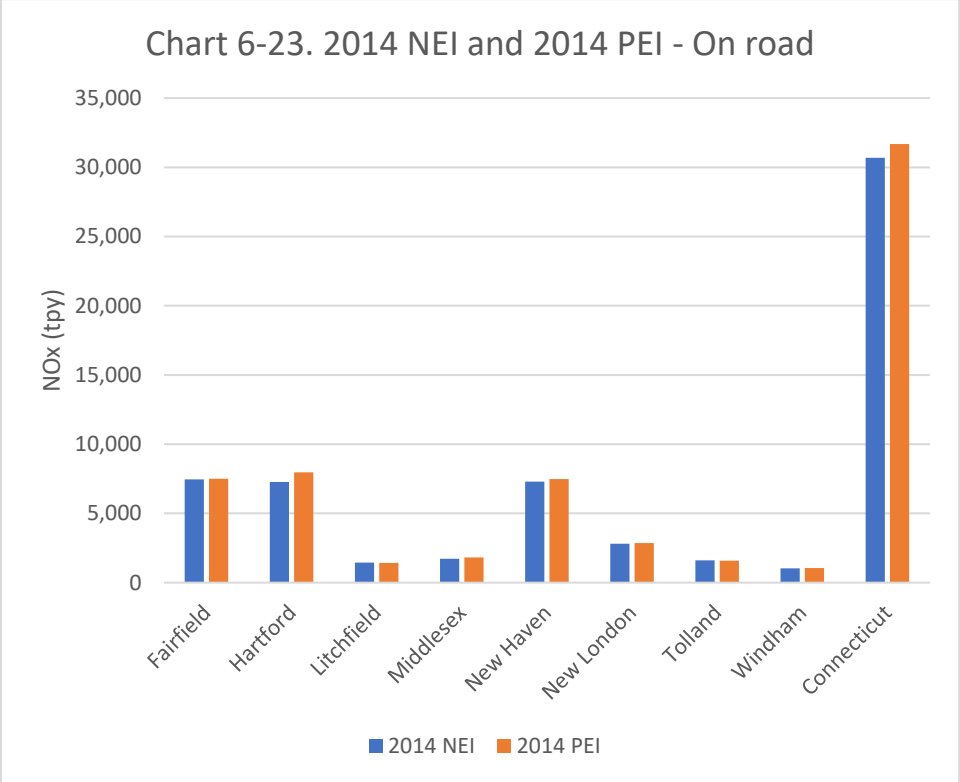
Table 6-15: 2014 NEI – 2014 PEI On-road Annual Emissions Differential [TPY]

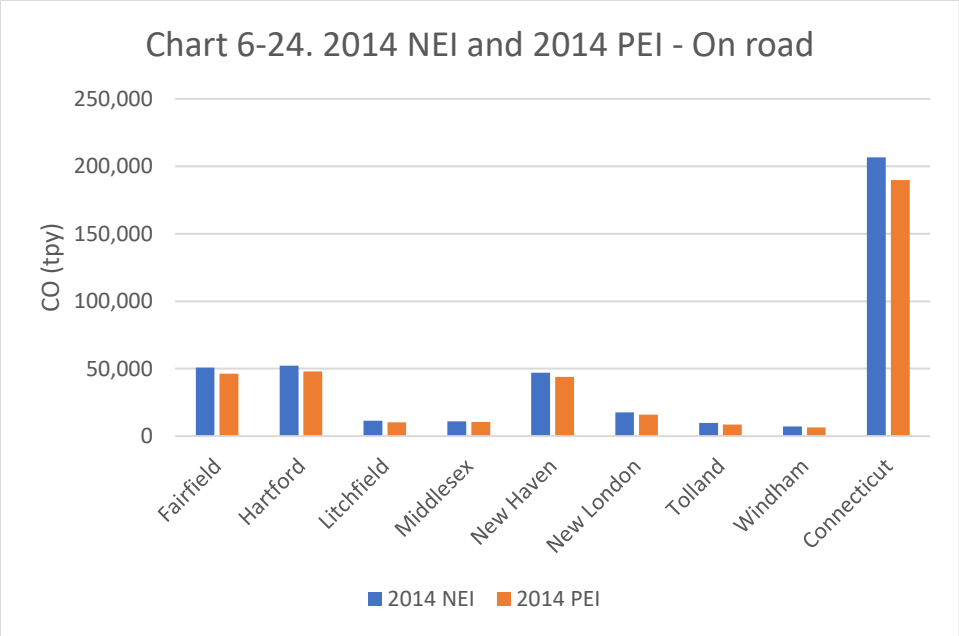
County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3
Fairfield	624.3	-30.6	4,394.7	103.7	30.2	4.2	-9.3
Hartford	501.2	-676.4	4,323.5	47.5	0.7	3.0	-5.9
Litchfield	128.9	23.3	1,239.1	20.9	5.1	1.7	-0.1
Middlesex	102.2	-72.5	597.9	1.7	1.2	0.5	-1.8
New Haven	468.5	-180.4	2,991.4	44.8	15.0	2.0	-11.4
New London	201.4	-62.8	1,539.2	25.4	7.9	0.9	-2.3
Tolland	110.3	9.3	1,098.7	15.6	6.1	1.1	-0.7
Windham	83.7	-21.8	739.5	11.6	1.7	0.6	-0.4
Connecticut	2,221.6	-1,010.8	16,924.9	271.1	67.8	14.0	-31.9

Table 6-16: Difference (%) (NEI-PEI)*100/NEI (On-road Annual Emissions)

County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3
Fairfield	12.1	-0.4	8.7	17.9	11.9	6.1	-4.0
Hartford	9.9	-9.3	8.3	8.6	0.3	4.2	-2.3
Litchfield	10.5	1.6	10.8	19.2	10.3	12.3	-0.3
Middlesex	9.5	-4.2	5.4	1.7	2.3	3.2	-3.1
New Haven	10.0	-2.5	6.4	8.7	6.2	3.1	-4.8
New London	11.8	-2.2	8.8	13.4	8.9	3.5	-2.4
Tolland	11.5	0.6	11.2	14.4	11.7	7.5	-1.5
Windham	11.6	-2.1	10.4	15.8	5.2	5.9	-1.2
Connecticut	10.8	-3.3	8.2	12.2	6.7	4.9	-3.2


Chart 6-22. 2014 NEI and 2014 PEI - On road
25,000
20,000
15,000
10,000
5,000
0
VOC (tpy)
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI


Chart 6-23. 2014 NEI and 2014 PEI - On road
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
NOx (tpy)
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI


Chart 6-24. 2014 NEI and 2014 PEI - On road
250,000
200,000
150,000
100,000
50,000
0
CO (tpy)
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI

6.2.2 2014 PEI Vs 2014 NEI – Non-road

Table 6-17: 2014 NEI V2 Non-road Annual Emissions [TPY]

County	VOC	NO_X	CO	PM 10-PRI	PM 2.5-PRI	SO_2	NH_3
Fairfield	3,536	3,614	47,171	368	347	51	6
Hartford	2,219	2,751	32,182	254	241	58	4
Litchfield	1,609	701	10,858	89	83	2	1
Middlesex	947	762	7,621	68	64	20	1
New Haven	2,260	2,968	28,545	245	232	75	4
New London	1,623	1,802	10,066	120	114	31	2
Tolland	442	370	3,954	40	38	1	1
Windham	772	481	4,852	56	53	2	1
Connecticut	13,407	13,448	145,248	1,241	1,171	240	19

Table 6-18a. Draft 2014 (Table 3-2) Annual Non-road Emissions in Connecticut by County [TPY]

County	VOC	NO_X	CO	PM 10-PRI	PM 2.5-PRI	SO_2	NH_3
Fairfield	420	3,574	41,170	330	311	4.7	48
Hartford	356	2,572	27,396	224	212	3.1	56
Litchfield	70	614	8,543	66	62	0.98	1.3
Middlesex	53	678	6,348	55	52	0.85	20
New Haven	236	2,916	24,554	219	207	3.3	73
New London	74	1,669	8,185	97	92	1.6	30
Tolland	28	334	3,228	33	31	0.47	0.76
Windham	29	434	3,608	42	39	0.57	1.1
Connecticut	1,265	12,792	123,030	1,064	1,005	16	230

Table 6-18b. 2014 (Revised* Table 3-2) Annual Non-road Emissions in Connecticut by County (tpy)

County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3
Fairfield	3,070	3,574	41,170	330	311	48	4.7
Hartford	1,878	2,572	27,396	224	212	56	3.1
Litchfield	1,055	614	8,543	66	62	1.3	0.98
Middlesex	696	678	6,348	55	52	20	0.85
New Haven	1,935	2,916	24,554	219	207	73	3.3
New London	1,139	1,669	8,185	97	92	30	1.6
Tolland	312	334	3,228	33	31	0.76	0.47
Windham	437	434	3,608	42	39	1.1	0.57
Connecticut	10,523	12,792	123,030	1,064	1,005	230	16

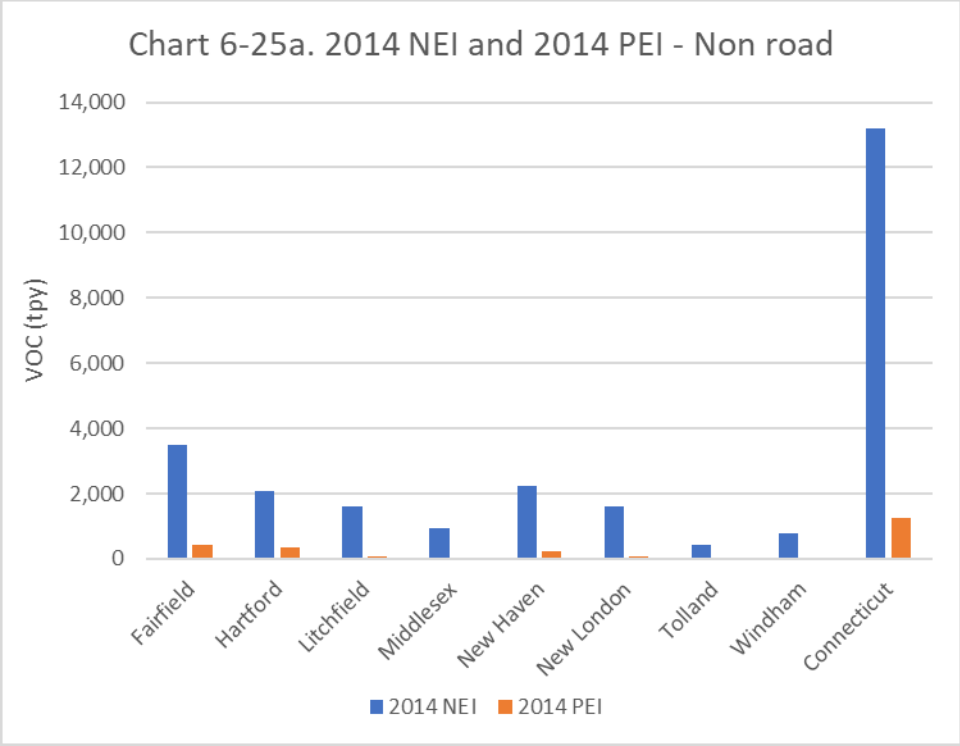
*Revised table by updating VOC annual emissions and transposing SO_2 and NH_3 columns.

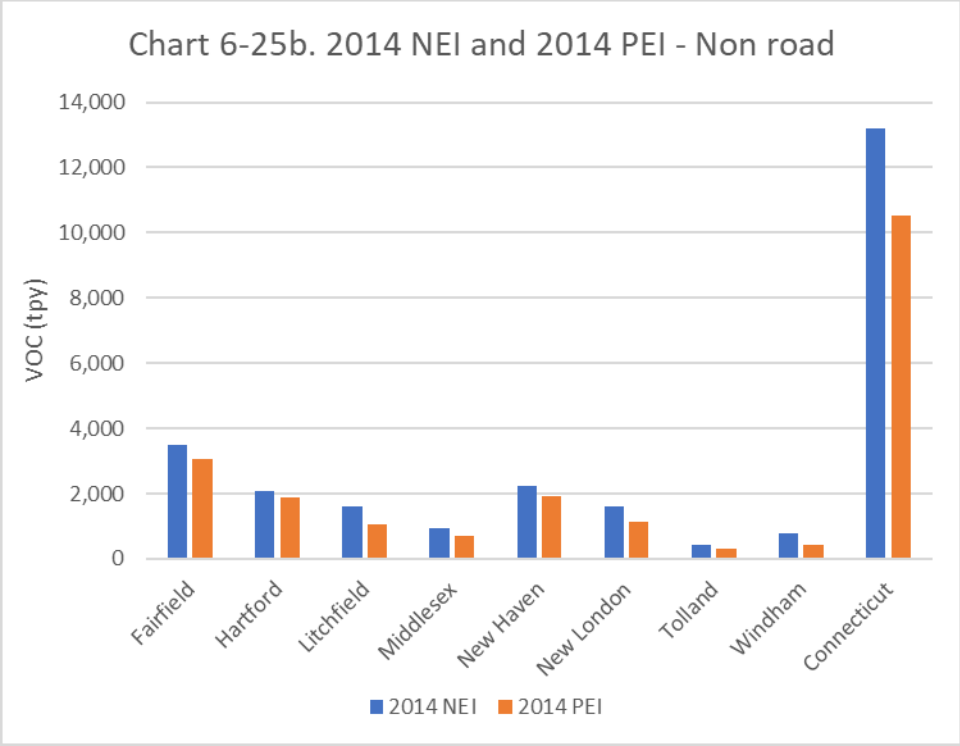
Table 6-19: 2014 NEI – Revised 2014 PEI Non-road Annual Emissions Differential [TPY]

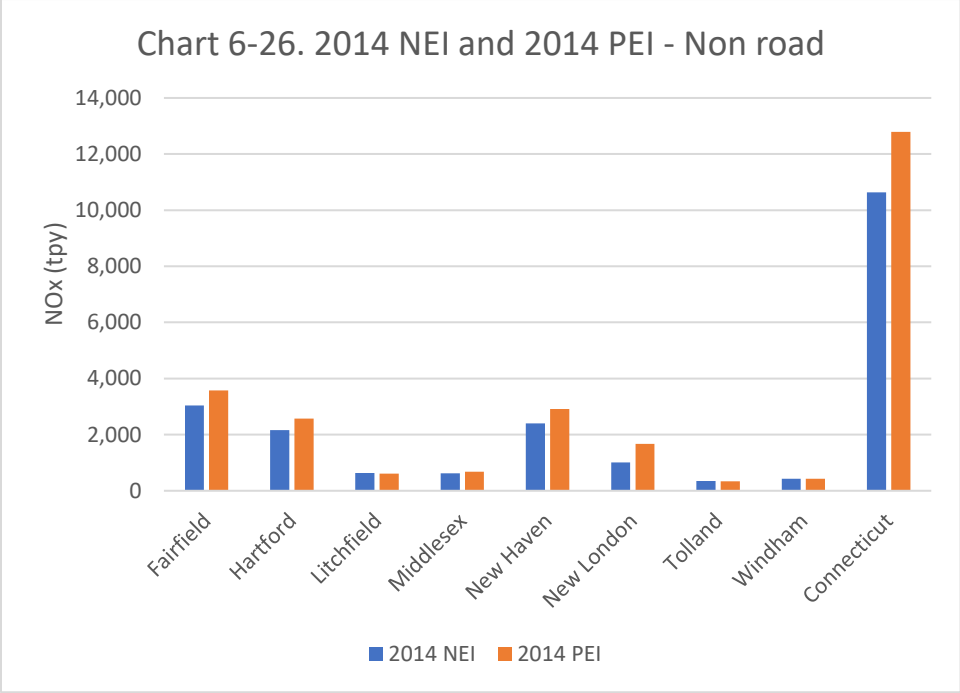
County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3
Fairfield	466.2	39.8	6,000.9	37.9	35.7	2.8	1.0
Hartford	340.6	179.1	4,786.4	30.2	28.6	2.0	0.7
Litchfield	553.6	86.7	2,314.8	22.7	21.0	0.7	0.3
Middlesex	250.8	84.2	1,272.9	13.2	12.3	0.3	0.2
New Haven	325.2	52.0	3,990.6	26.1	25.0	2.3	0.8
New London	484.0	132.8	1,880.6	23.3	22.0	1.1	0.4
Tolland	129.8	35.5	726.4	7.1	6.8	0.3	0.1
Windham	334.6	47.1	1,243.8	14.1	13.7	0.4	0.2
Connecticut	2,883.8	656.3	22,218.4	176.7	165.9	10.0	3.4

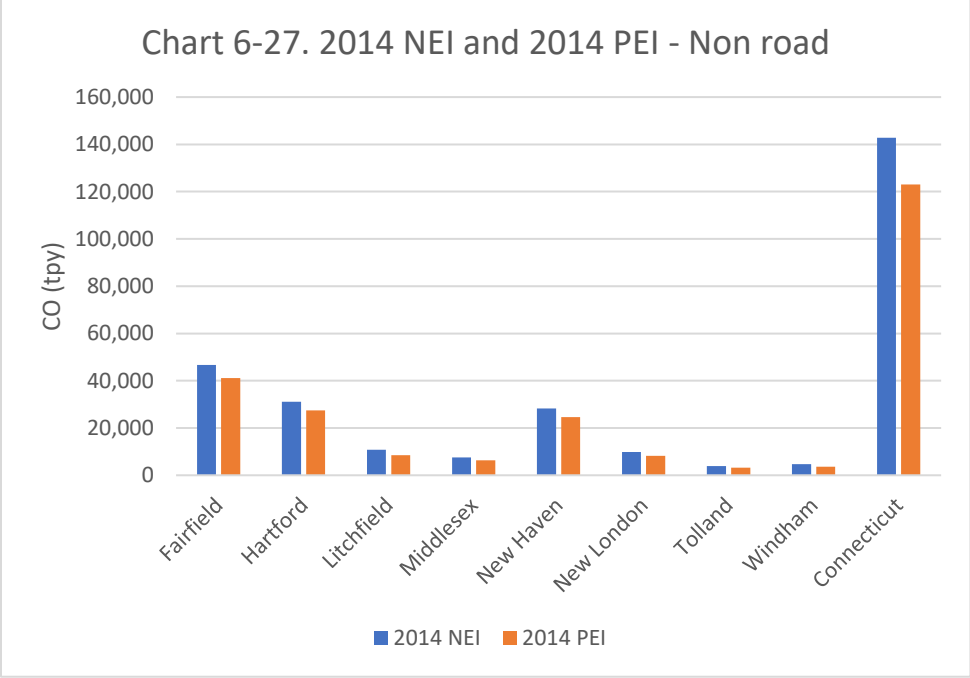
Table 6-20: Revised Difference (%) (NEI-PEI)*100/NEI (Non-road Annual Emissions)

County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3
Fairfield	13.18	1.10	12.72	10.31	10.28	5.43	18.06
Hartford	15.35	6.51	14.87	11.89	11.87	3.38	19.07
Litchfield	34.41	12.38	21.32	25.59	25.33	33.94	24.19
Middlesex	26.49	11.05	16.70	19.39	19.14	1.68	22.09
New Haven	14.39	1.75	13.98	10.65	10.77	3.07	19.62
New London	29.82	7.37	18.68	19.39	19.27	3.50	18.66
Tolland	29.39	9.61	18.37	17.70	17.92	29.35	23.41
Windham	43.37	9.79	25.64	25.10	25.93	27.31	27.04
Connecticut	21.51	4.88	15.30	14.24	14.17	4.17	17.60


Chart 6-25a. 2014 NEI and 2014 PEI - Non road
VOC (tpy)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI


Chart 6-25b. 2014 NEI and 2014 PEI - Non road
VOC (tpy)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI


Chart 6-26. 2014 NEI and 2014 PEI - Non road
NOx (tpy)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI


Chart 6-27. 2014 NEI and 2014 PEI - Non road
CO (tpy)
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI

6.3 AREA SOURCE QA/QC AUDIT

The Area Source Inventory estimates the emissions for those source categories that are too small and/or too numerous to be handled individually in the point source inventory (e.g., residential heating units). Table 6-21 and Table 6-22 present a comparison of 2014 Vs. 2011 annual and summer day emissions for area sources, respectively.

Connecticut has adopted EPA's area source emissions estimates for Connecticut, contained in version 2 of EPA's 2014 NEI. As part of the process of developing EPA's 2014 area source inventory, Connecticut reviewed and made corrections or enhancements where it was appropriate. Most area source categories were accepted as is. Comparisons of the 2014 PEI and 2014 NEI area source emissions are presented in Table 6-23, Table 6-24, Table 6-25, and Table 6-26, and show no major discrepancies.

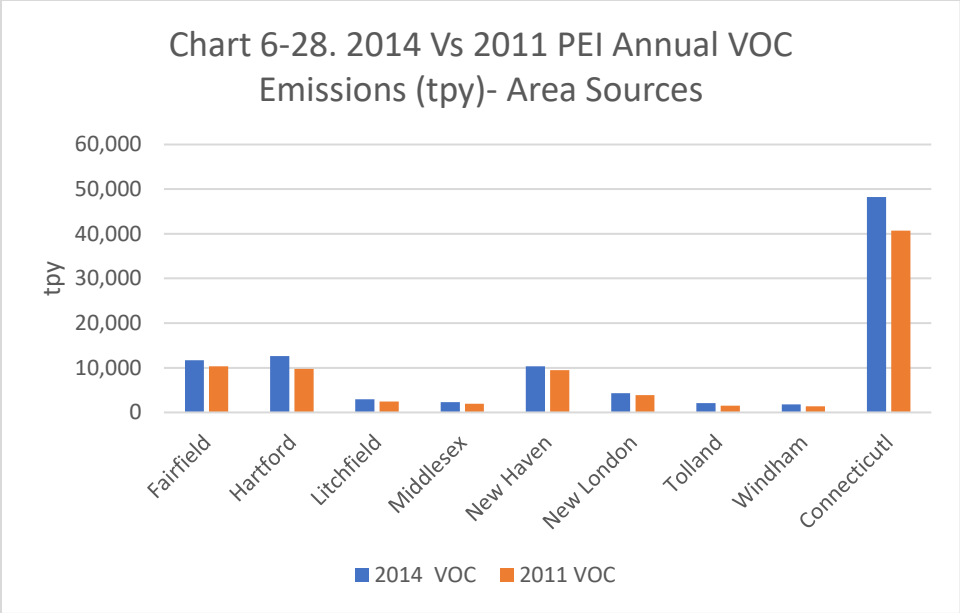
In charts 6-28 to 6-33 these comparisons can be observed graphically.

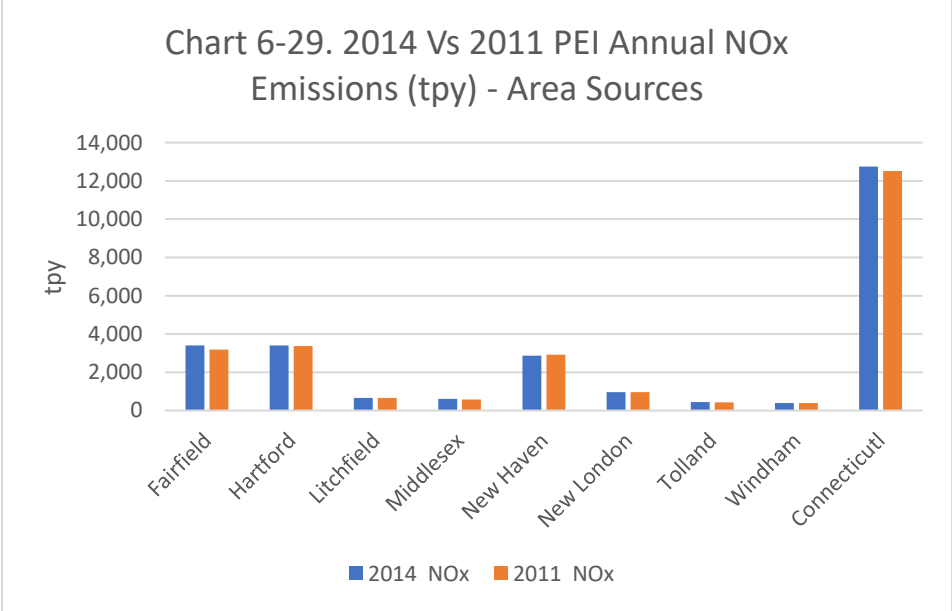
Table 6-21: Comparison 2014 (Table 4-1) PEI and 2011 (Table 4.1-1) PEI Area Sources Annual Emissions [TPY]

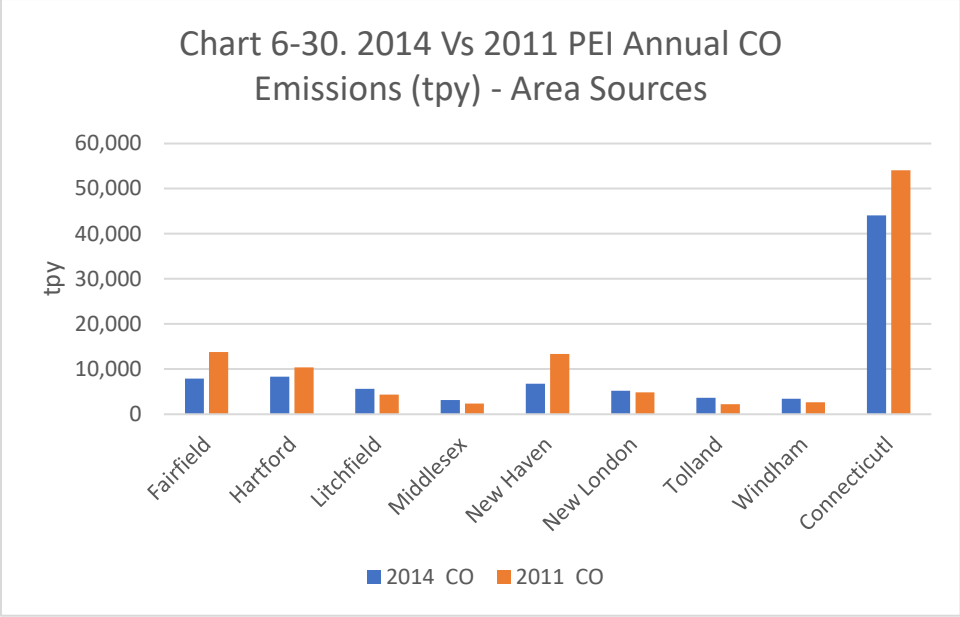
County	VOC 2014	VOC 2011	VOC Diff (2014-2011)	% Diff	NO_X 2014	NO_X 2011	NO_X Diff (2014-2011)	% Diff	CO 2014	CO 2011	CO Diff (2014-2011)	% Diff
Fairfield	11,722	10,331.4	1,390.6	11.9	3,398	3,186.9	211.1	6.2	7,935	13,802.4	-5,867.4	-73.9
Hartford	12,628	9,739.6	2,888.4	22.9	3,409	3,375.1	33.9	1.0	8,321	10,372.7	-2,051.7	-24.7
Litchfield	2,982	2,431.8	550.2	18.5	655	653.0	2.0	0.3	5,645	4,325.9	1,319.1	23.4
Middlesex	2,309	1,910.5	398.5	17.3	617	581.4	35.6	5.8	3,151	2,398.3	752.7	23.9
New Haven	10,337	9,457.8	879.2	8.5	2,864	2,922.1	-58.1	-2.0	6,752	13,386.2	-6,634.2	-98.3
New London	4,318	3,895.4	422.6	9.8	969	964.8	4.2	0.4	5,187	4,875.7	311.3	6.0
Tolland	2,119	1,539.8	579.2	27.3	443	434.1	8.9	2.0	3,664	2,229.4	1,434.6	39.2
Windham	1,797	1,381.4	415.6	23.1	386	394.4	-8.4	-2.2	3,434	2,665.1	768.9	22.4
Connecticut	48,212	40,687.7	7,524.3	15.6	12,741	12,511.8	229.2	1.8	44,089	54,055.7	-9,966.7	-22.6

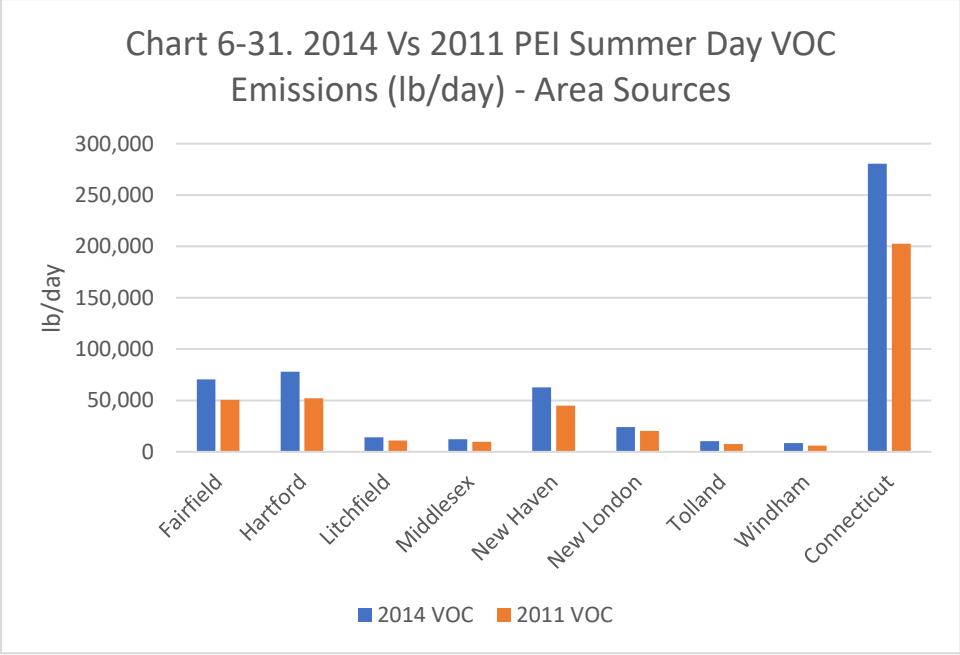
Table 6-22: Comparison 2014 (Table 4-2) PEI and 2011 (Table 4.1-2) PEI Area Sources Summer Day Emissions (lb/day)

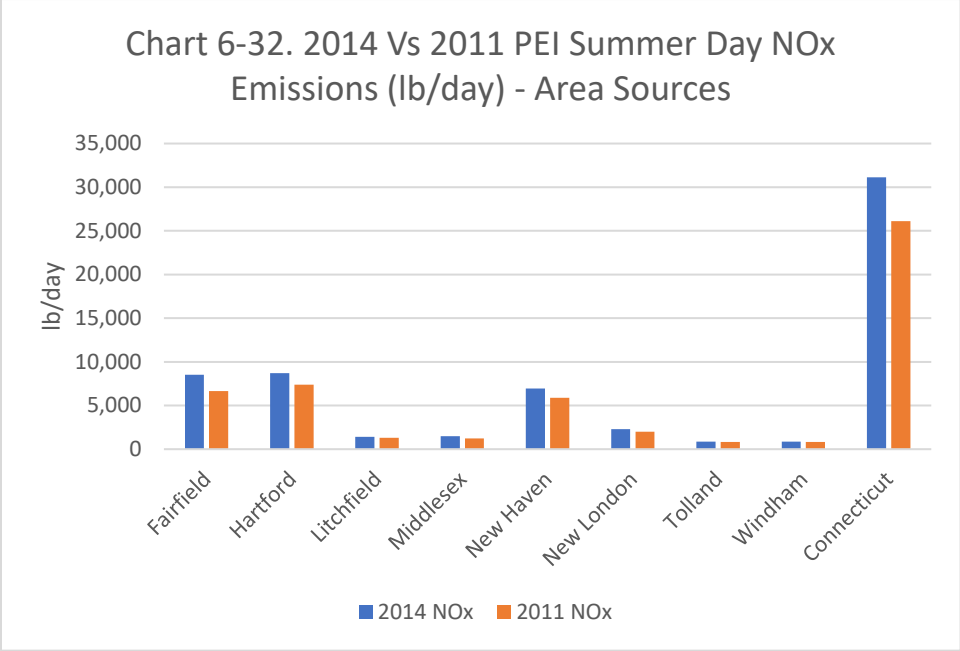
County	VOC 2014	VOC 2011	VOC Diff (2014-2011)	% Diff	NO_X 2014	NO_X 2011	NO_X Diff (2014-2011)	% Diff	CO 2014	CO 2011	CO Diff (2014-2011)	% Diff
Fairfield	70,605	50,664.5	19,940.5	28.2	8,522	6,637.9	1,884.1	22.1	13,905	4,440.4	9,464.6	68.1
Hartford	78,067	52,015.9	26,051.1	33.4	8,698	7,390.4	1,307.6	15.0	14,777	5,619.8	9,157.2	62.0
Litchfield	14,012	11,051.2	2,960.8	21.1	1,432	1,311.4	120.6	8.4	3,170	3,135.1	34.9	1.1
Middlesex	12,151	9,900.1	2,250.9	18.5	1,499	1,222.7	276.3	18.4	2,875	1,956.0	919.0	32.0
New Haven	62,600	44,866.5	17,733.5	28.3	6,958	5,875.5	1,082.5	15.6	12,462	3,922.1	8,539.9	68.5
New London	23,985	20,339.7	3,645.3	15.2	2,288	2,008.1	279.9	12.2	4,246	3,030.3	1,215.7	28.6
Tolland	10,418	7,597.5	2,820.5	27.1	873	837.1	35.9	4.1	2,182	2,141.9	40.1	1.8
Windham	8,630	6,022.5	2,607.5	30.2	863	811.6	51.4	6.0	1,781	2,023.1	-242.1	-13.6
Connecticut	280,468	202,457.9	78,010.1	27.8	31,133	26,094.7	5,038.3	16.2	55,398	26,268.7	29,129.3	52.6


Chart 6-28. 2014 Vs 2011 PEI Annual VOC Emissions (tpy)- Area Sources
60,000
50,000
40,000
30,000
20,000
10,000
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticutl
2014 VOC
2011 VOC


Chart 6-29. 2014 Vs 2011 PEI Annual NOx Emissions (tpy) - Area Sources
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticutl
2014 NOx
2011 NOx


Chart 6-30. 2014 Vs 2011 PEI Annual CO Emissions (tpy) - Area Sources
60,000
50,000
40,000
30,000
20,000
10,000
0
tpy
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticutl
2014 CO
2011 CO


Chart 6-31. 2014 Vs 2011 PEI Summer Day VOC Emissions (lb/day) - Area Sources
300,000
250,000
200,000
150,000
100,000
50,000
0
lb/day
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 VOC
2011 VOC


Chart 6-32. 2014 Vs 2011 PEI Summer Day NOx Emissions (lb/day) - Area Sources
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
lb/day
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NOx
2011 NOx

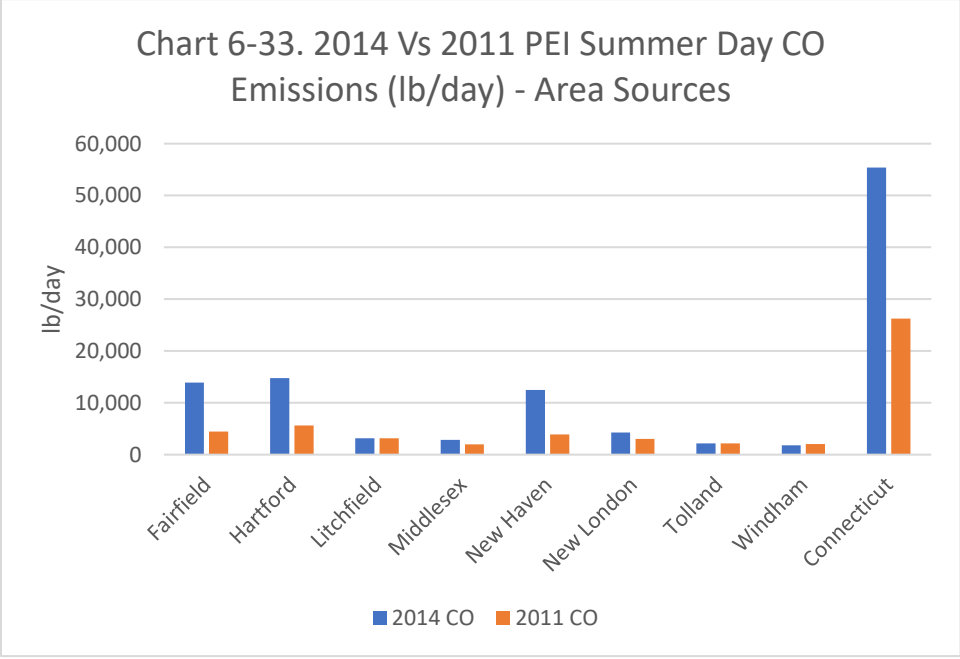

Chart 6-33. 2014 Vs 2011 PEI Summer Day CO Emissions (lb/day) - Area Sources
60,000
50,000
40,000
30,000
20,000
10,000
0
lb/day
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 CO
2011 CO

Table 6-23: 2014 NEI V2 Non-Point Sources [TPY]

County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3	Lead
Fairfield	12,045	3,415	8,183	4,469	1,942	2,433	288	0.0973
Hartford	12,809	3,569	8,717	4,823	2,033	2,172	481	0.1128
Litchfield	3,058	633	6,000	3,382	1,329	711	411	0.0289
Middlesex	2,365	585	3,324	1,697	739	634	108	0.0278
New Haven	10,454	2,842	6,921	3,475	1,567	2,220	352	0.0834
New London	4,397	903	5,493	3,210	1,238	991	376	0.0328
Tolland	2,150	468	3,970	2,021	849	524	317	0.0184
Windham	1,832	397	3,727	1,889	801	420	349	0.0177
Connecticut	49,110	12,813	46,336	24,966	10,498	10,104	2,683	0.4190

Table 6-24: Table 4-1 2014 (Table 4-1) PEI Area Sources [TPY]

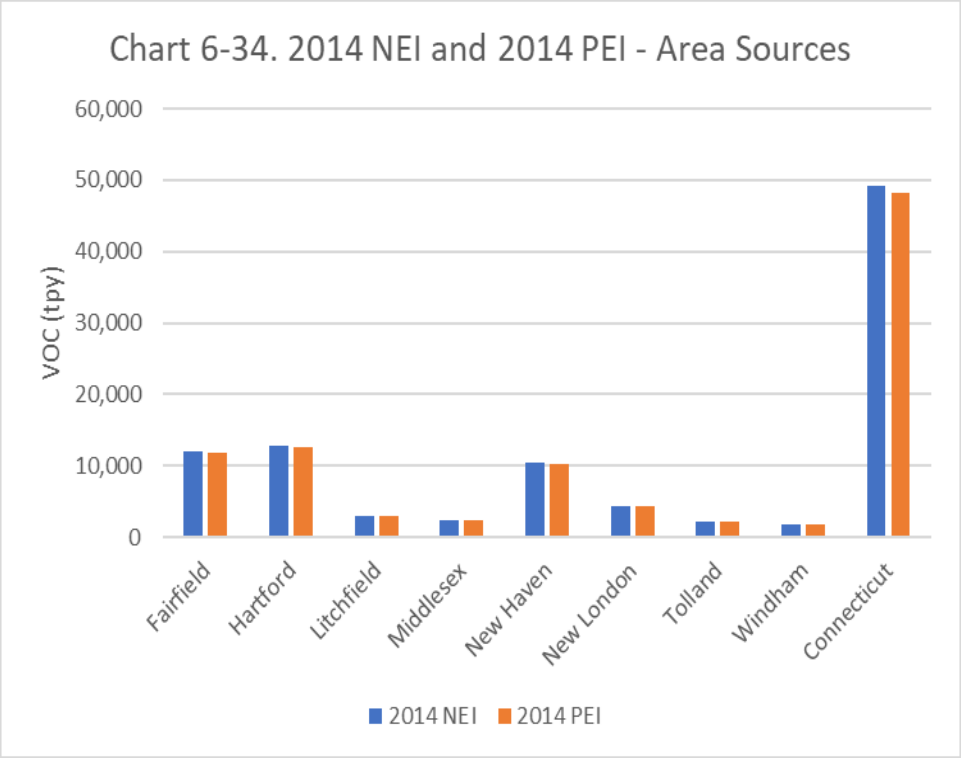
County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3	Lead
Fairfield	11,722	3,398	7,935	4,402	1,881	1,536	287	0.0903
Hartford	12,628	3,409	8,321	4,745	1,962	1,373	474	0.0852
Litchfield	2,982	655	5,645	3,257	1,215	434	413	0.0239
Middlesex	2,309	617	3,151	1,632	679	389	109	0.0226
New Haven	10,337	2,864	6,752	3,428	1,524	1,382	350	0.0816
New London	4,318	969	5,187	3,097	1,135	613	379	0.0347
Tolland	2,119	443	3,664	1,927	763	318	317	0.0169
Windham	1,797	386	3,434	1,793	715	255	350	0.0144
Connecticut	48,212	12,741	44,091	24,281	9,874	6,300	2,678	0.3696

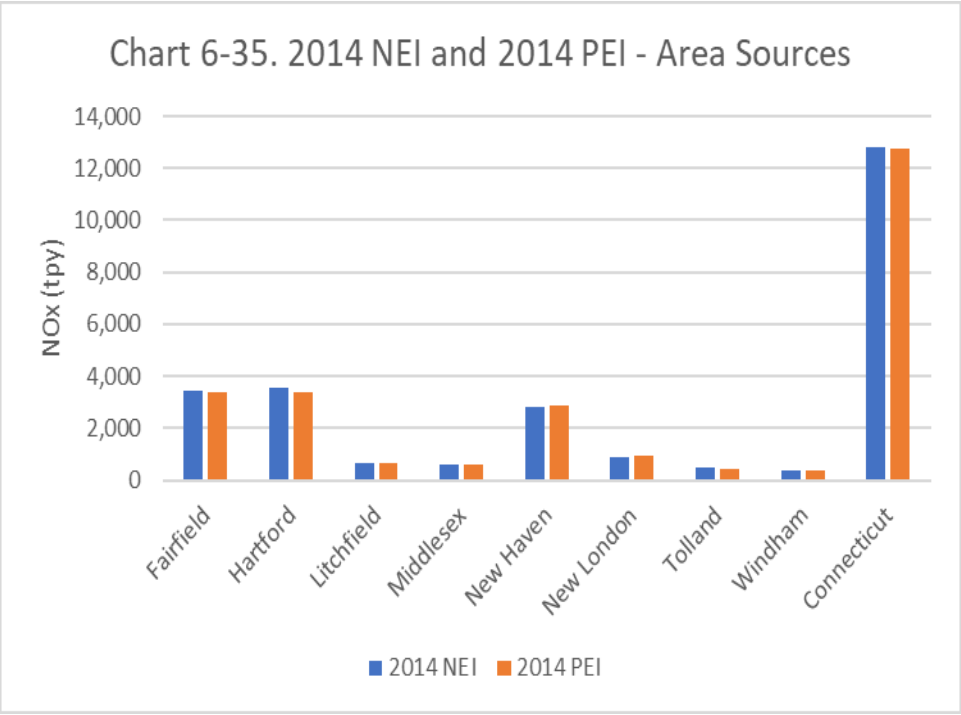
Table 6-25:2014 NEI - 2014 PEI Area Sources [TPY]

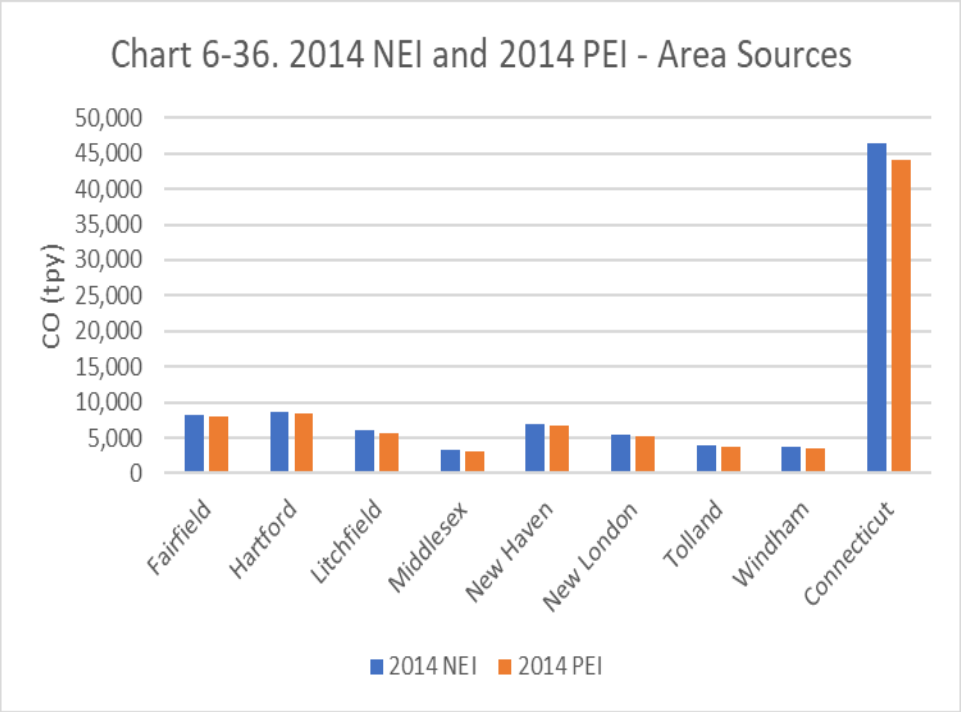
County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3	Lead
Fairfield	323	17	248	67	61	897	1	0.0070
Hartford	181	160	396	78	71	799	7	0.0276
Litchfield	76	-22	355	125	114	277	-2	0.0050
Middlesex	56	-32	173	65	60	245	-1	0.0052
New Haven	117	-22	169	47	43	838	2	0.0018
New London	79	-66	306	113	103	378	-3	-0.0019
Tolland	31	25	306	94	86	206	0	0.0015
Windham	35	11	293	96	86	165	-1	0.0033
Connecticut	898	72	2,245	685	624	3,804	5	0.0494

Table 6-26: Difference (%) (NEI-PEI)*100/NEI

County	VOC	NO_X	CO	$PM_{10\text{-}PRI}$	$PM_{2.5\text{-}PRI}$	SO_2	NH_3	Lead
Fairfield	2.7	0.5	3.0	1.5	3.1	36.9	0.3	7.2
Hartford	1.4	4.5	4.5	1.6	3.5	36.8	1.5	24.5
Litchfield	2.5	-3.5	5.9	3.7	8.6	39.0	-0.5	17.3
Middlesex	2.4	-5.5	5.2	3.8	8.1	38.6	-0.9	18.7
New Haven	1.1	-0.8	2.4	1.4	2.7	37.7	0.6	2.2
New London	1.8	-7.3	5.6	3.5	8.3	38.1	-0.8	-5.8
Tolland	1.4	5.3	7.7	4.7	10.1	39.3	0.0	8.2
Windham	1.9	2.8	7.9	5.1	10.7	39.3	-0.3	18.6
Connecticut	1.8	0.6	4.8	2.7	5.9	37.6	0.2	11.8


Chart 6-34. 2014 NEI and 2014 PEI - Area Sources
VOC (tpy)
60,000
50,000
40,000
30,000
20,000
10,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI


Chart 6-35. 2014 NEI and 2014 PEI - Area Sources
NOx (tpy)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Fairfield
Hartford
Litchfield
Middlesex
New Haven
New London
Tolland
Windham
Connecticut
2014 NEI
2014 PEI

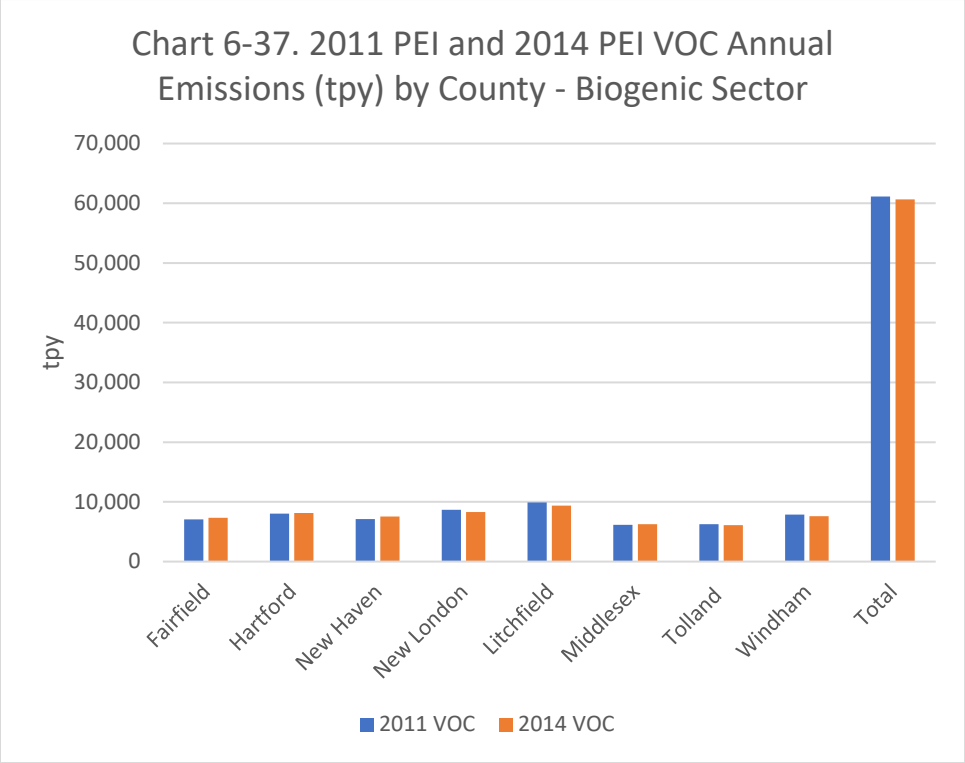


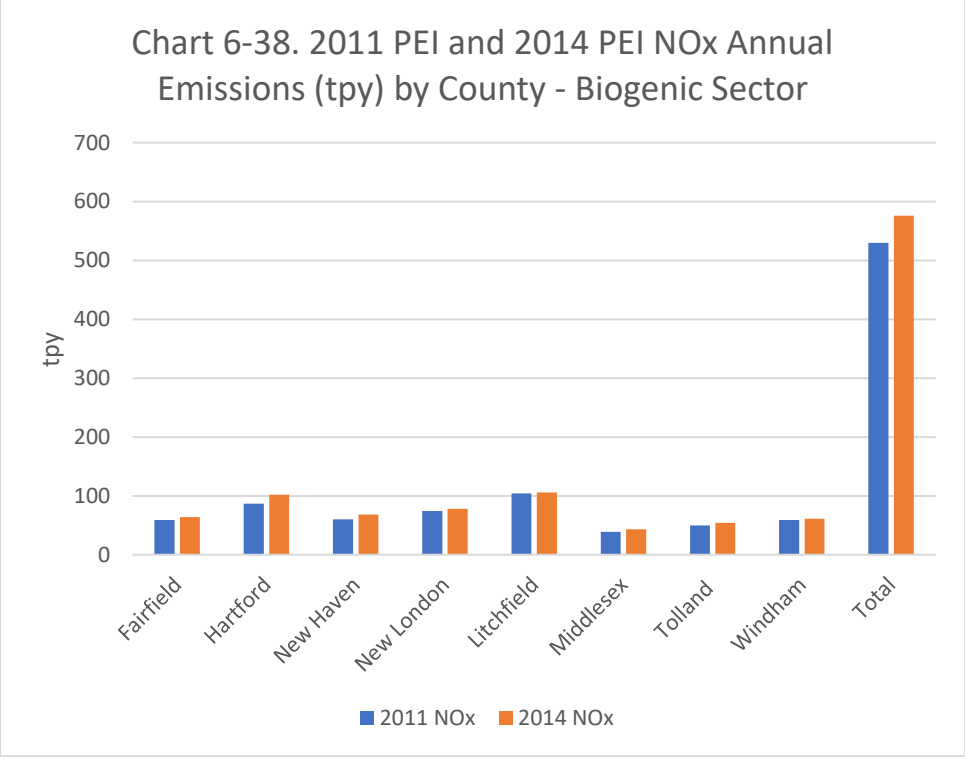
6.4 BIOGENIC SECTOR QA/QC AUDIT

Connecticut accepts the EPA biogenic emissions estimates as published in the 2014 NEI, which only included VOCs, NO_X, and CO. The values in Table 5-1of the 2014 PEI were verified to be the same as the annual VOC, NO_X, and CO values in EPA's 2014 NEI biogenic sector. The 2011 and 2014 biogenic emissions are comparable and that can be observed in Table 6-27and Table 6-28 for annual emissions and summer day emissions, respectively; and also, in Charts 6-37 through 6-42.

Table 6-27: 2014 (Table 5-1) Vs 2011 (Table 5-1) Ozone Precursor Annual Biogenic Emissions by County [TPY]

County	VOC 2011	VOC 2014	VOC Differential (2014-2011)	% Diff	NO_X 2011	NO_X 2014	NO_X Differential (2014-2011)	% Diff	CO 2011	CO 2014	CO Differential (2014-2011)	% Diff
Fairfield	7,040	7,324	284	3.9	59	64	5	7.8	870	792	-78	-9.8
Hartford	8,045	8,130	85	1.0	87	102	15	14.7	1,125	1,023	-102	-10.0
New Haven	7,140	7,566	426	5.6	60	68	8	11.8	897	855	-42	-4.9
New London	8,699	8,318	-381	-4.6	74	78	4	5.1	951	892	-59	-6.6
Litchfield	9,918	9,389	-529	-5.6	104	106	2	1.9	1,336	1,215	-121	-10.0
Middlesex	6,152	6,237	85	1.4	39	43	4	9.3	681	672	-9	-1.3
Tolland	6,270	6,083	-187	-3.1	50	54	4	7.4	725	674	-51	-7.6
Windham	7,843	7,598	-245	-3.2	59	61	2	3.3	828	781	-47	-6.0
Connecticut	61,107	60,646	-461	-0.8	530	576	46	8.0	7,415	6,904	-511	-7.4


Chart 6-37. 2011 PEI and 2014 PEI VOC Annual Emissions (tpy) by County - Biogenic Sector
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
tpy
Fairfield
Hartford
New Haven
New London
Litchfield
Middlesex
Tolland
Windham
Total
2011 VOC
2014 VOC


Chart 6-38. 2011 PEI and 2014 PEI NOx Annual Emissions (tpy) by County - Biogenic Sector
700
600
500
400
300
200
100
0
tpy
Fairfield
Hartford
New Haven
New London
Litchfield
Middlesex
Tolland
Windham
Total
2011 NOx
2014 NOx

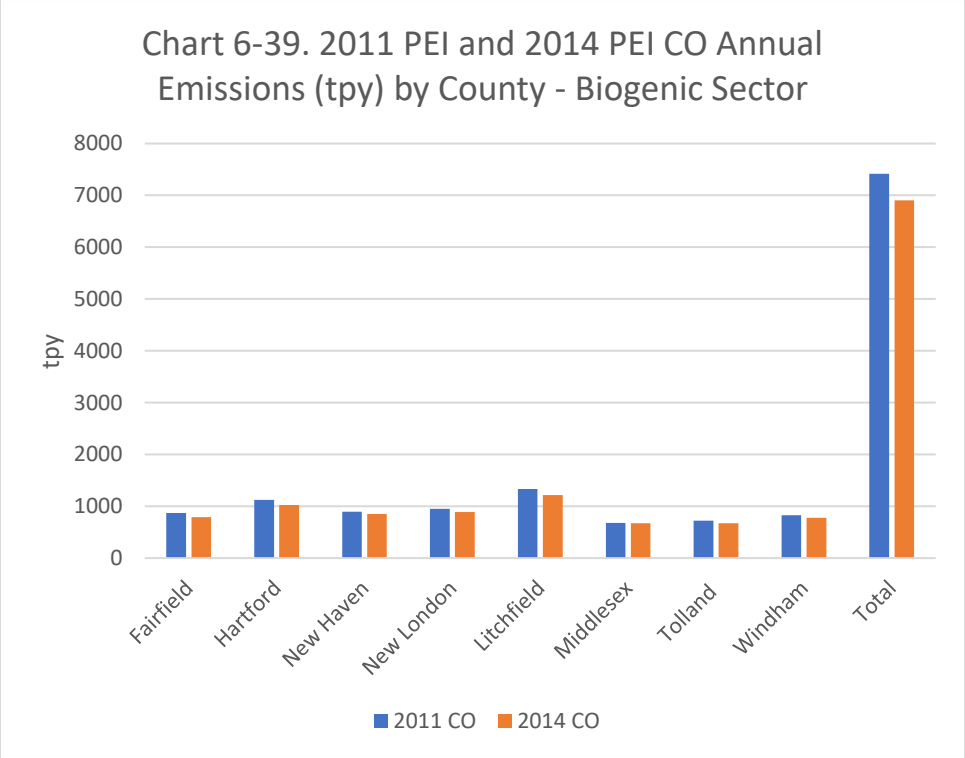
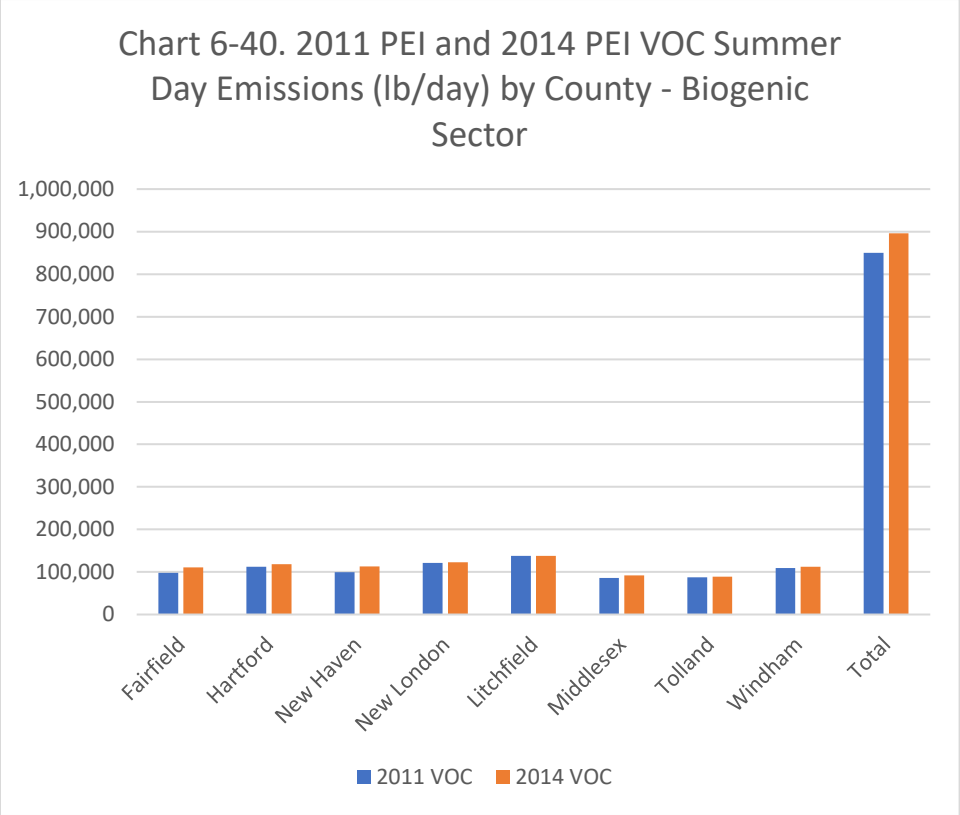
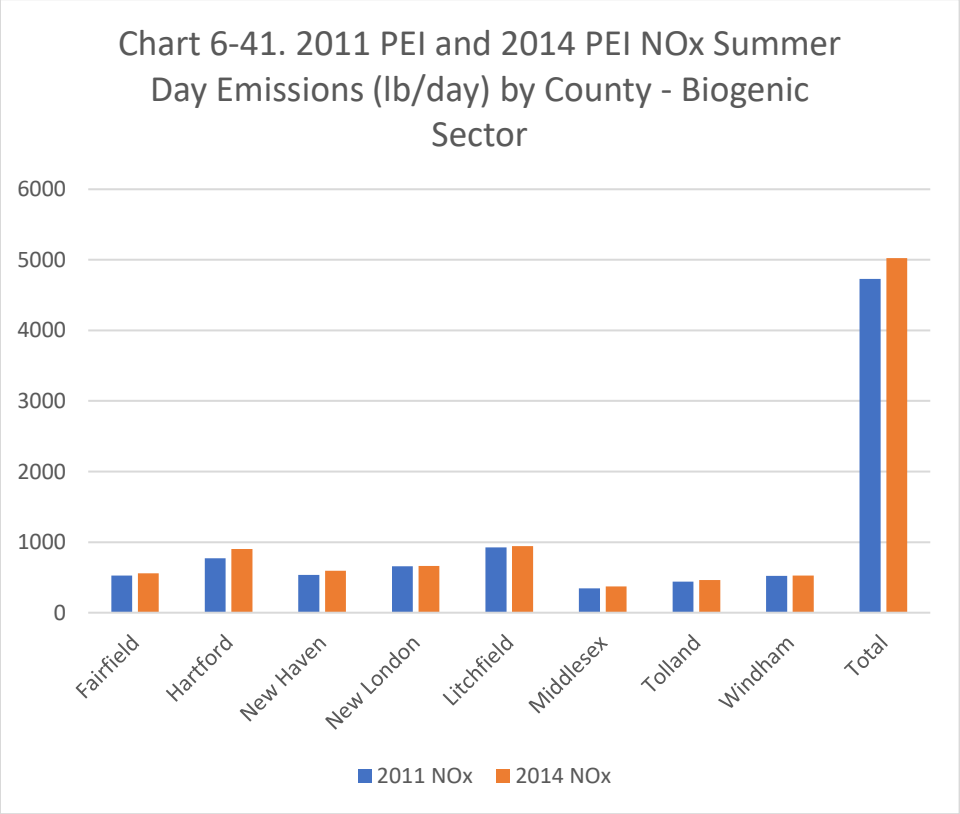
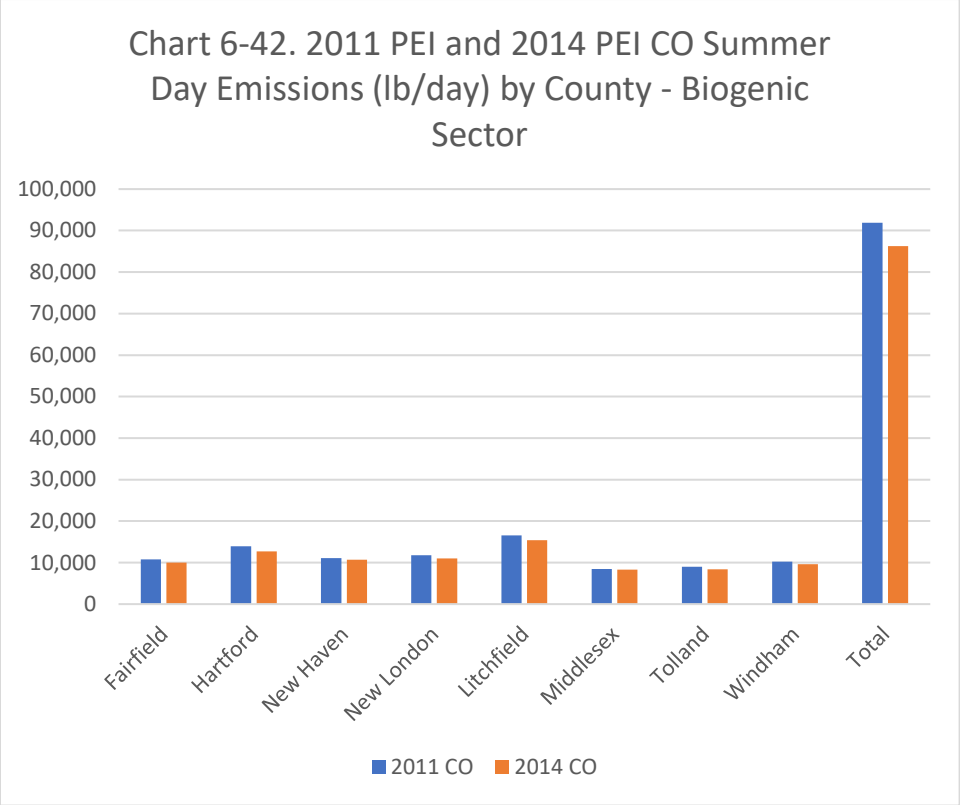

Chart 6-39. 2011 PEI and 2014 PEI CO Annual Emissions (tpy) by County - Biogenic Sector
tpy
8000
7000
6000
5000
4000
3000
2000
1000
0
Fairfield
Hartford
New Haven
New London
Litchfield
Middlesex
Tolland
Windham
Total
2011 CO
2014 CO

Table 6-28: 2014 (Table 5-2) Vs 2011 (Table 5-1) Ozone Precursor Summer Day Biogenic Emissions by County (lb/day)

County	VOC 2011	VOC 2014	VOC Differential (2014-2011)	% Diff	NO_X 2011	NO_X 2014	VOC Differential (2014-2011)	% Diff	CO 2011	CO 2014	CO Differential (2014-2011)	% Diff
Fairfield	97,941	109,453	11,512	10.5	525	554	29	5.2	10,787	9,933	-854	-8.6
Hartford	111,926	116,766	4,840	4.1	773	893	120	13.4	13,940	12,600	-1,340	-10.6
New Haven	99,341	136,506	37,165	27.2	536	932	396	42.5	11,118	15,268	4,150	27.2
New London	121,032	91,146	-29,886	-32.8	659	369	-290	-78.6	11,786	8,182	-3,604	-44.0
Litchfield	137,993	111,815	-26,178	-23.4	926	589	-337	-57.2	16,559	10,578	-5,981	-56.5
Middlesex	85,588	121,436	35,848	29.5	346	655	309	47.2	8,441	10,885	2,444	22.5
Tolland	87,240	88,046	806	0.9	442	460	18	3.9	8,989	8,292	-697	-8.4
Windham	109,117	110,995	1,878	1.7	522	520	-2	-0.4	10,266	9,554	-712	-7.5
Connecticut	850,178	886,163	35,985	4.1	4,729	4971	242	4.9	91,886	85,292	-6,594	-7.7


Chart 6-40. 2011 PEI and 2014 PEI VOC Summer Day Emissions (lb/day) by County - Biogenic Sector
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Fairfield
Hartford
New Haven
New London
Litchfield
Middlesex
Tolland
Windham
Total
2011 VOC
2014 VOC


Chart 6-41. 2011 PEI and 2014 PEI NOx Summer Day Emissions (lb/day) by County - Biogenic Sector
6000
5000
4000
3000
2000
1000
0
Fairfield
Hartford
New Haven
New London
Litchfield
Middlesex
Tolland
Windham
Total
2011 NOx
2014 NOx


Chart 6-42. 2011 PEI and 2014 PEI CO Summer Day Emissions (lb/day) by County - Biogenic Sector
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Fairfield
Hartford
New Haven
New London
Litchfield
Middlesex
Tolland
Windham
Total
2011 CO
2014 CO

6.5 CONCLUSIONS

The 2021 working draft of the 2014 periodic emission inventory was reviewed for clarity, completeness, comparability, and reasonableness. Inventories were completed for all required source categories: stationary point sources, stationary area sources, on-road mobile sources, non-road mobile sources, and biogenic sources.

The 2014 PEI report seems complete when compared to the Emissions Inventory Guidance for Implementation of Ozone National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations.

A numerical and graphical comparison of the 2021 working draft of the 2014 PEI and the 2011 PEI, and at the same time of the 2014 PEI and the 2014 NEI indicate that the 2014 PEI results for annual and summer day emissions of the different pollutants analyzed by county are generally comparable and reasonable. The most important discrepancy found was for VOC annual emissions from the non-road sector. Smaller discrepancies were observed and discussed in different portions of this section (Section 6) of the 2014 PEI report.

The 2014 PEI report is, in general, clear and well written. However, the language used could be improved to make the report easier to understand for the common reader. For example, the titles for Table 4-17 and Table 4-18 for Publicly Owned Treatment Work (POTW) could be misleading. The current title for Table 4-17 “2014 Annual POTW Emissions” should read “2014 Annual POTW Point Source Reported Emissions” and the current title for Table 4-18 “2014 Summer Day POTW Emissions” should read “2014 Summer Day POTW Point Source Reported Emissions.” The more descriptive title could avoid confusion since the data is not “including point source emissions”, it is point source reported emissions only. The text properly describes what is being discussed (point only emissions); however, the table title does not reflect the text.

The observations made about the 2021 working draft of the 2014 PEI were addressed and incorporated into the 2014 PEI that was posted for public comment in December of 2023.

Appendices

Appendix A Emissions Reporting History

A.0 Point Source List Development History

This appendix describes the development of the initial point source list from which point source emissions for the 2014 Connecticut Periodic Inventory were estimated. This appendix is included in order to demonstrate that the source list is as complete as possible.

Former section 19-508-2 of the Regulations of Connecticut State Agencies (RCSA) required new and existing stationary sources must be either registered or permitted. Subject equipment operating prior to June 1, 1972 were required to register, while equipment installed after that date needed permits to construct and operate. Companies were required to submit detailed information about their equipment on forms supplied by CT DEEP). All taxable employers were notified of the registration and permit requirements. All municipalities, school systems and state agencies were separately notified in a second mailing. In a third mailing, Federal facilities were notified of their requirement to comply with the registration and permitting requirements of the RCSA.

The deadline for submission of the registration forms was October 1, 1972. The Engineering section of the CT DEEP Air Bureau processed the registration forms. Engineers reviewed the registration forms for completeness; assigned identification numbers (i.e., Town #, Premises #, Registration #, and Stack #); assigned special codes (i.e., National Emissions Data System (NEDS) County #, NEDS town #, Standard Industrial Class (SIC) #, Source Classification Code (SCC) #, and control equipment #); and determined stack coordinates. The data from the forms were coded onto special computer forms, key punched onto IBM cards, and entered into the database. Over 13,000 registrations were processed in this manner. The initial phase was completed by the end of 1973.

The next phase was to ensure that all facilities had submitted their applications for equipment requiring registrations and permits. The Enforcement section systematically contacted plants, which were listed in industrial directories. Screening letters, which requested basic information on the equipment and materials used at a facility, were mailed to those potential sources. Plants that responded positively to the questions in the screening letter were then sent a PreInspection Questionnaire (PIQ), which requested detailed information on the processes and materials used in the plant. Equipment requiring registration were identified and the plant was issued a notice of violation, which would be closed out only upon receipt of a completed registration form. Over 500 equipment registrations were added to the inventory through the inspection program. In succeeding years, new plants have been identified through the Connecticut Department of Labor listing of new manufacturing firms and from articles in local newspapers.

The primary method by which new equipment is added to the point source inventory is through the permit program. Approximately 100 new permits are issued each year. There is high awareness of permit requirements among the regulated community through the State Implementation Plan Revision Advisory Committee (SIPRAC) of the Connecticut Business & Industry Association (CBIA). Members of CBIA are informed about any regulatory or procedural changes with regards to air pollution.

Prior to 1990, the point source inventory was kept current through timely updates of all emissions sources. In general, plants that had an EPA class of A1 were updated annually; plants with an EPA class of A2 were updated every second year; and plants with an EPA class of B were updated every three to five years. Since 1979, updates of the point source inventory have been incorporated into the Enforcement compliance inspection process. Along with each PIQ mailed to the plant, the Enforcement Division includes update forms for the registered and permitted equipment. The plant is required to provide current data on annual fuel usage, process weight rates, solvent usage, operating hours, and seasonal rates for

summer, fall, winter and spring. During the compliance inspection, Enforcement personnel review the completed update forms with the plant personnel to ensure the accuracy and completeness of the data. The inventory group further reviews the forms for completeness, and revisions are compared with previous data. If there are apparent discrepancies, the update forms are returned to Enforcement personnel for clarification.

For plants that are inspected, Enforcement personnel calculate the total plant usage for each volatile organic compound (VOC) as listed in the PIQ. Plant usage is then adjusted for other media disposal. The total VOC from registered and permitted sources is subtracted from the adjusted total plant VOC. The balance is the actual unregistered VOC emissions. These estimates of unregistered VOC emissions are entered into a separate file, which contains basic company data, specific SCC code, and emissions in terms of tons per year.

For the 1990 base year ozone and carbon monoxide inventory development effort in 1992, source update forms were mailed to all facilities known to be active during 1990. This was done to verify which facilities in the inventory were active during 1990, and to update all data contained in the inventory that was at least two years old. For more detailed information about the 1990 inventory, please refer to the 1990 Base Year Ozone And Carbon Monoxide Emissions Inventory, created by the Planning and Standards Division of the CT DEEP Air Bureau in November 1993.

In 1993 to meet the emissions statement reporting requirements outlined in Title I, Section 182(a)(3)(b) of the 1990 Clean Air Act (CAA), the state developed and implemented an emissions statement reporting schedule. Connecticut's emissions statement program was submitted to and approved by EPA as a formal amendment to the SIP. The Department phased in the implementation of the emissions statement program beginning with the first reporting year (1993). Companies were required to file an emissions statement if the actual calendar year 1992 emissions from all sources at a plant site totaled 25 tons per year or more of VOC, NO_X, or CO. This first mailing involved 156 companies. Beginning in the reporting year 2006, the reporting threshold was set to any facility that is a major source, or emitted 10 tons per year or more of actual VOC or NO_X, or 25 tons per year or more of actual CO emissions in calendar year 2005. There were 135 companies involved in this mailing.

In 2009, CT DEEP rolled out a new software application, EMIT, that allowed companies to submit their emissions statements electronically via the internet and report a number of new pollutants that the previous system could not accommodate. The additional pollutants collected in 2009 were PM_{10} filterable, $PM_{2.5}$ primary, $PM_{2.5}$ filterable, PM condensable, Ammonia and Sulfur Dioxide in lieu of Sulfur Oxides. Since there is a lack of emissions factors for PM_{10} and $PM_{2.5}$ filterable and PM condensable these pollutants were often unreported. Additionally, beginning in 2009, only sites considered a major source were required to submit an emission statement.

Beginning in reporting year 2010, CT DEEP has required companies to report their HAP emissions.

The 2014 periodic stationary source inventory was based on emissions statements, which reported the source's actual 2014 emissions signed by a corporate officer who attested to the accuracy of their calculations. There were 79 sites that submitted a 2014 emissions statement. Compliance with the emissions statement program was 100 percent from all Title V companies.

A.1 Historical Quality Control Procedures

Quality Control (QC) measures for the point source inventory were originally instituted for the 1979 Ozone SIP. Those measures consisted of three separate activities. First, a procedure was developed to update the point source inventory. Second, the data must be verified by CT DEEP personnel. Third, the data must be entered accurately.

All registered or permitted sources were required to fill out a Pre-Inspection Questionnaire (PIQ) Inventory Update form prior to a scheduled inspection. Originally, the PIQ Inventory Update form was designed to provide CT DEEP with the yearly changes in fuel use and process weights for the registered and permitted equipment at the inspected plants. In general, plants that had an EPA class of A1 (actual emissions > 100 TPY) were updated annually; plants with an EPA class of A2 (potential emissions > 100 TPY) were updated every second year; and plants with an EPA class of B (potential emissions < 100 TPY) were updated every third to fifth year.

Since 1993, the Inventory update procedure has been phased out with the implementation of our Emissions Statement Program. From the inception of the emissions statement program through the 2008 emissions statement cycle, the Bureau's SAS based system was used to process and database emissions statement submittals. In 2008, the Bureau contracted with CIBER to develop a new software application that would allow sites to report their emission statements electronically. This system is referred to as EMIT and replaces the SAS based system. Using the EMIT system, sites report their usage and process data on both a summer day and annual basis to calculate their emissions. Prior to CT DEEP implementing the EMIT system, sites were required to calculate their emissions and to submit their emission statements on paper. One of the most common errors that occurred during this process was that they miscalculated their emissions. The EMIT system allows a direct entry of an emissions value for Continuous Emissions Monitoring System (CEMS) measurements and for calculated tank emissions. Otherwise the EMIT system calculates emissions for users at the SCC, source, and site level each time a parameter is updated. The calculation routines used by EMIT have been thoroughly tested and shown to be correct and, together with EMIT's validation checks, help to remedy errors formerly created by paper submission.

Appendix B Sample Emissions Calculations

Point emissions were calculated using the Bureau's EMIT software application. EMIT calculates Summer Day and Annual emissions based on entered activity, emission factors, and controls. EMIT does not calculate emissions when the emissions were estimate using the TANKS model or when they were derived using continuous emission monitoring (CEM). In these instances, EMIT requires the user to manually enter the emissions directly after identifying that the emissions are based upon one of these two methods.

Several basic emissions calculations are illustrated in Examples 1 to 6. The application of the Summer Day allocation factor is not needed within EMIT because the reporters address this outside of the application.

- Example 1 illustrates the use of AP-42 emissions factors to calculate Annual and Summer Day emissions for many sources, typically boilers and incinerators that do not have controls.
- Example 2 illustrates the calculation of Summer Day VOC emissions for gasoline loading facilities using the formula from Section 5.2 of AP-42. This example is typical of all process sources that use emissions factors to calculate emissions. Since this source has emissions controls, rule effectiveness is also illustrated.
- Example 3. illustrates the calculation of the summer day apportionment factor and summer day emissions.
- Example 4 illustrates application of Example 3 equations in calculating Commercial Marine Vessel summer day emissions.
- Example 5 illustrates application of Example 3 equations in calculating Locomotive summer day emissions.
- Example 6 illustrates the calculation of Aircraft summer day emission using an approach similar to Example 3 equations.

B.0 List of Equations

The seasonal adjustment for point sources (Equation I) and the MOVES ONROAD Compliance Factor (Equation II) are contained in the main body of document and are not listed or shown below.

Equation III:

$$E_a = \frac{F * EF}{2{,}000}$$

Equation III: Annual Actual Emissions

Equation IV:

$$E_s = F * EF * \frac{T_s}{W_s * D_s}$$

Equation IV: Seasonal Actual Emission Rate

Equation V:

$$E_s = 2{,}000 E_a \frac{T_s}{W_s * D_s}$$

Equation V: Seasonal Actual Emission Rate (Substituting Equation III into Equation IV)

Variable	Unit	Description
E_a	TPY	Annual Actual Emissions Rate
E_s	$\frac{lb}{day}$	Seasonal Actual Emissions Rate
F	$\frac{10^3\ gal}{year}$	Actual Annual Fuel Use
EF	$\frac{lb}{10^3\ gal}$	Emissions Factor
T_s	$\frac{\%\ year}{season}$	Seasonal Rate of Use
W_s	$\frac{week}{season}$	Weeks of Operation in Season
D_s	$\frac{days\ operated}{week}$	Days of Operation per Week in Season

$$L_L = \frac{S * TVP * M_v}{R * T} = 12.46 \frac{S * TVP * M_v}{T}$$

Equation VI: Emissions from Loading Petroleum Liquid (U.S. Environmental Protection Agency 2008)

Where:

Variable	Unit	Description
L_L	$\frac{lb}{10^3\ gal}$	Loading Loss (Emissions factor for VOCs) from Loading Petroleum
S	$-$	Saturation Factor (See AP-42 Table 5.2-1)
TVP	$psia$	True Vapor Pressure (TVP) of Liquid Loaded (See AP-42 Table 7.1-3)
M_v	$\frac{lb}{lbmol}$	Molecular Weight of Vapor (See AP-42 Table 7.1-2)
R	$\frac{psia * 10^3\ gal}{lbmol * °R}$	Ideal Gas Constant ($R^{-1} = 12.46$)
T	$°R$	Absolute Temperature of Bulk Liquid

B.1 Examples

Example 1 Fuel Burning Source

In 2013, Company A used 601,000 gallons of no. 6 fuel oil to operate their commercial boiler. The boiler is capable of producing more than 100 million BTU/hr, is normal-firing, and is not equipped with control equipment (SCC 1-03-004-01). The boiler operated every day of the week for the entire summer with a 10% seasonal rate of use. What were the daily emissions rates of NO_x, CO, and VOC from this boiler during the summer of 2013?

Find: E_{s,NO_x}, $E_{s,CO}$, $E_{s,VOC}$

To find E_s, Equation IV should be used. $E_s = F * EF * \frac{T_s}{W_s * D_s}$

Given values:

$$F = 601{,}000 \frac{gal}{year} = 601 \frac{10^3\ gal}{year}$$

$$T_s = 10\%$$

$$W_s = 13 \frac{weeks}{summer}$$

$$D_s = 7 \frac{days}{week}$$

Values to be found in AP-42:

$$EF_{NO_x} = 47 \frac{lb}{10^3\ gal}$$ (AP-42 Table 1.3-1)

$$EF_{CO} = 5 \frac{lb}{10^3\ gal}$$ (AP-42 Table 1.3-1)

$$EF_{VOC} = 1.605 \frac{lb}{10^3\ gal}$$ (AP-42 Table 1.3-3)

Solution:

$$E_{s,NO_x} = \frac{601\ \frac{10^3\ gal}{year} * 47\ \frac{lb}{10^3\ gal} * 10 \frac{\%\ year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = 31.04 \frac{lb}{day}$$

$$E_{s,CO} = \frac{601\ \frac{10^3\ gal}{year} * 5\ \frac{lb}{10^3\ gal} * 10\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = 3.30 \frac{lb}{day}$$

$$E_{s,VOC} = \frac{601\ \frac{10^3\ gal}{year} * 1.605\ \frac{lb}{10^3\ gal} * 10\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = 1.06 \frac{lb}{day}$$

Company A's boiler emitted NO_x, CO, and VOCs at rates of 31.04 lb/day, 3.30 lb/day, and 1.06 lb/day, respectively, in the summer of 2013.

Example 2 Gasoline Loading Facility

A gas station was supplied with 90 million gallons of gasoline (RVP=10) in 2012. The station is classified as a gasoline submerged loading balance service (SCC 4-06-001-41) and is equipped with a vapor recovery system which captures 98% and collects 97% of VOCs. The regulations for this type of source have been determined to have an effectiveness of 100%. This gas station does not receive shipments on Sundays and 27% of the total throughput was provided during the summer. Assuming a constant bulk temperature of 60 °F for the gasoline, what was the emissions rate of VOCs at this gas station in the summer of 2012?

Find: $E_{s,VOC}$

To find E_s, Equation IV should be used with the control efficiency term:

$$E_s = F * EF * \frac{T_s}{W_s * D_s} * [1 - (Eff\% * Cap\% * Rule\%)]$$

Given values:

$$F = 90{,}000{,}000 \frac{gal}{year} = 90{,}000 \frac{10^3\ gal}{year}$$

$$T_s = 27\%$$

$$W_s = 13 \frac{weeks}{summer}$$

$$D_s = 6 \frac{days}{week}$$

$$Eff\% = 97\%/100$$

$$Cap\% = 98\%/100$$

$$Rule\% = 100\%/100$$

The only unknown variable is EF_{VOC}. Because this is a problem on the emissions from the transportation of petroleum, Equation VI can be used to find this value.

$$EF_{VOC} = L_L = 12.46 \frac{S * TVP * M_v}{T}$$

Values to be found in AP-42:

$S = 1.00$ (AP-42 Table 5.2-1)

$TVP = 5.2\ psia$ (AP-42 Table 7.1-2)

$M_v = 66 \frac{lb}{lbmol}$ (AP-42 Table 7.1-2)

Solution:

$$EF_{VOC} = 12.46 \frac{lbmol * °R}{psia * 10^3\ gal} \frac{1.00 * 5.2\ psia * 66 \frac{lb}{lbmol}}{(60 + 459.67)\ °R} = 8.23 \frac{lb}{10^3\ gal}$$

$$E_{s,VOC} = \frac{90{,}000\ \frac{10^3\ gal}{year} * 8.23\ \frac{lb}{10^3\ gal} * 27\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 6 \frac{days}{week}} * [1 - (97\% * 98\% * 100\%)] = 127 \frac{lb}{day}$$

The gas station emitted approximately 127 pounds of VOCs per day of operation in the summer of 2012.

Example 3 Summer Apportionment Factor

The summer day apportionment factor portion of Equation IV is broken out and shown below. The remaining portion of the Equation IV summer day emissions calculation is also shown below. Application of these equation are shown in Examples 4 and 5.

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$E_{ij} = E_{aij} * Sd_j$$

Where:

E_{ij} = Total emissions of pollutant i, in pounds per day, produced for SCCj
Ea_{ij} = Total annual emissions of pollutant i, in tons per year, produced for SCCj Annual emissions can be found in the various Appendicies within this document.
Sd_j = Summer day fraction with tons per year to pounds per day conversion included for SCCj
Spa_j = Summer percentage of annual emissions, (e.g.- 25% of annual emissions when a uniform seasonal profile is expected).
Wps_j = Weeks of emissions per summer (13 weeks per summer season for a uniform 24 x 7 operation)
Dpw_j = Days per week (7 days per week for a 24 x 7 operation)
2000 = Conversion factor for pounds per ton

Example 4 Commercial Marine Vessels

A sample calculation implementing the Example 3 equation for SCC 22-80-002-100 annual NO_X emissions in Fairfield County from the first row of Appendix G Table G-22 is shown below. The calculated results are consistent with the summer day NO_X emissions for SCC 22-80-002-100 in Fairfield County of Appendix G Table G-23.

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$Sd_j = 2000 * \frac{25}{100 * 13 * 7} = 5.495$$

$$E_{ij} = Ea_{ij} * Sd_j$$

$$E_{ij} = 46.45 * 5.495 = 255.22 \frac{lbs}{day}$$

Example 5 Locomotives

A sample calculation implementing the Example 5 equation for SCC 22-85-002-006 annual NO_X emissions in Fairfield County from the first row of Appendix G Table G-24 is shown below. The calculated results are consistent with the summer day NO_X emissions for SCC 22-85-002-006 in Fairfield County of Appendix G Table G-25.

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$Sd_j = 2000 * \frac{25}{100 * 13 * 5} = 7.692$$

$$E_{ij} = Ea_{ij} * Sd_j$$

$$E_{ij} = 65.82 * 7.692 = 506.3 \frac{lb}{day}$$

Example 6 Aircraft

Summer day emissions were calculated using a methodology similar to that previously used in earlier inventories. The LTO, seasonal adjustments, and tonnage conversions were also factored in the following equation. Note that this equation resembles that used in Example 3, 4, and 5, except that S_j is a seasonal fraction instead of a Sd_j summer day fraction.

$$E_{ij} = E_{aij} * S_j * \frac{2000}{Days}$$

Where:

E_{ij}	=	Total emissions of pollutant i, in pounds per day, produced by the composite aircraft type makeup for SCCj for all LTO cycles
E_{aij}	=	Total annual emissions of pollutant i, in tons per year, produced by the composite aircraft type makeup for SCCj for all LTO cycles. These emissions are shown in Appendix C Table 5 under the Annual Emissions (TPY) column, where a summation of the EPA annual emissions estimate for the airport are presented in tons per year for each of the pollutants needing a summer day emissions estimate.
S_j	=	Summer season fraction of Landing and Take-Off Cycles for composite aircraft type makeup for SCCj (The summer season fraction represents the fraction of total annual Landing and Take-Off Cycles that occurred during the summer season for the specific source classification code (SCCj) at the airport. These fractions are shown in Appendix G Table G-20.
2000	=	Conversion factor of pounds of ton
$Days$	=	Days in Ozone Season

A sample calculation for VOC emissions from SCC 22-75-050-012 at Bridgeport Hospital Heliport in Fairfield County can be shown using the first record in both Appendix G Table G-19 and Table G-20 as follows:

$$E_i = 0.11 * 0.16 * \frac{2000}{92\ days} = 0.38 \frac{lbs\ VOC}{day}$$

Appendix C Point Source Inventory

Table C-1: 2014 Annual Emissions of Connecticut Point Sources

EIS Identifier	Site Name	Town	SIC	2014 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Fairfield County											
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	4911	5.71	159.45	157.73	23.70	22.30	5.07	52.01	0
14623811	BRIDGEPORT INSULATED WIRE CO	STRATFORD	3357	0.30	0.13	0.11	0	0	0	0	0
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	4911	0.02	5.68	11.67	0.40	0.40	0.06	0	0.0005
533411	Cray Valley USA, LLC	STRATFORD	2869	25.29	0.35	0.29	1.02	0.03	0	0.01	0
589611	HAMPFORD RESEARCH INC	STRATFORD	2869	7.26	0.02	0.01	0	0	0.01	0	0
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	4922	5.15	15.15	10.17	9.32	9.32	0.35	0	0
2722211	KINGSWOOD KITCHENS INC	DANBURY	2434	6.29	0.15	0.04	0.72	0.12	0.33	0	0
552411	NORWALK HOSPITAL ASSOCIATION.	NORWALK	8062	2.70	16.24	5.30	1.61	1.61	0.06	0.01	0.0002
588811	PolyOne Designed Structures and Solutions	STAMFORD	3081	6.48	3.60	2.85	0.20	0.19	0.04	0.06	0
754311	PSEG PWR CT LLC/BPT HARBOR STA.	BRIDGEPORT	4911	15.19	596.44	126.84	11.20	3.85	922.17	0.38	0.0017
642511	SIKORSKY AIRCRAFT	STRATFORD	3721	25.72	8.01	7.47	10.62	10.58	0.36	0.90	0.0002
754211	Sprague Operating Resources, LLC	BRIDGEPORT	5171	37.34	0.02	0	0	0	0	0	0
14623911	STRATFORD SCHOOL FOR AVIATION	STRATFORD	8249	0.05	0.11	0.21	0.01	0.01	0	0	0
14623611	WATERSIDE POWER LLC	STAMFORD	4911	0.01	6.04	0.07	0.21	0.21	0.04	0	0.0003
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	4953	7.80	1,255.44	52.63	34.57	33.46	116.25	0.88	0.0041
Totals for Fairfield County				**145.30**	**2,066.82**	**375.38**	**93.60**	**82.08**	**1,044.74**	**54.26**	**0.0070**
Hartford County											

EIS Identifier	Site Name	Town	SIC	2014 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
589711	ALGONQUIN POWER WINDSOR LOCKS	WINDSOR LOCKS	4911	2.31	33.76	20.91	11.09	11.05	4.83	1.93	0.0001
14624511	C R R A / HARTFORD LANDFILL	HARTFORD	9511	0.06	0.69	0.15	0.04	0.04	0.06	0	0
715611	C R R A / MID-CONNECTICUT	HARTFORD	4953	6.34	765.19	346.45	12.02	12.02	42.87	10.31	0.0344
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	4911	0.50	22.76	3.99	2.33	2.33	0.09	0.07	0.0004
2753711	CITGO PETROLEUM CORP	ROCKY HILL	5171	21.59	1.61	4.08	0	0	0	0	0
588711	COVANTA BRISTOL, INC	BRISTOL	4953	2.14	267.85	33.65	1.78	0	30.22	1.18	0.0075
2753811	CTG Resources	ROCKY HILL	4924	0.01	0.30	0.15	0.01	0.01	0	0.01	0
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	3728	13.53	4.86	2.56	4.27	4.27	0.20	4.36	0
552311	M D C /HARTFORD WPCF	HARTFORD	4952	12.70	46.20	119.09	3.63	3.30	5.27	184.83	0.0019
14622811	Manchester Landfill Premises	MANCHESTER	4953	4.84	1.79	1.49	0.46	0.46	2.03	21.45	0.0008
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	3724	4.37	91.31	37.58	3.70	3.60	0.99	1.72	0.0009
918811	STANLEY TOOLS DIV	NEW BRITAIN	3423	41.22	2.27	1.90	0.11	0.11	0.01	0.04	0
2673711	SUPREME LAKE MFG CO	SOUTHINGTON	3451	0	0	0	0	0	0	0	0
Totals for Hartford County				**109.62**	**1,238.59**	**571.99**	**39.44**	**37.19**	**86.57**	**225.89**	**0.0459**
Litchfield County											
587911	Albea Metal Americas Inc.	WATERTOWN	3469	0.02	0.17	0.04	0.01	0.01	0	0	0
2711411	Braxton Manufacturing Company, Inc.	WATERTOWN	3965	0	0	0	0	0	0	0	0
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	4911	0	3.80	0	0	0	0	0	0.0001

EIS Identifier	Site Name	Town	SIC	2014 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	4911	0	3.35	0	0	0	0	0	0.0001
845911	KIMBERLY-CLARK CORP	NEW MILFORD	2621	16.56	44.44	20.17	19.87	19.86	1.94	4.81	0
2673811	WASTE MANAGEMENT OF CT INC	NEW MILFORD	4953	0.65	22.37	37.23	0.67	0.67	1.68	0	0
Totals for Litchfield County				**17.23**	**74.13**	**57.44**	**20.56**	**20.55**	**3.62**	**4.81**	**0.0002**
Middlesex County											
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	4922	21.17	304.49	38.11	10.63	10.63	1.23	0	0
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	4911	2.82	82.55	12.77	60.06	60.06	7.41	7.72	0.0116
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	4911	8.72	350.95	88.51	23.20	23.11	174.41	3.00	0.0074
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	3724	9.91	193.79	67.68	12.94	12.94	12.42	2.02	0.001
Totals for Middlesex County				**42.62**	**931.77**	**207.07**	**106.84**	**106.74**	**195.47**	**12.73**	**0.02**
New Haven County											
658111	Allnex USA, Inc	WALLINGFORD	2821	90.66	32.08	15.74	4.02	4.02	0.14	0.75	0.0001
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	3356	13.10	0	0	0.04	0.04	0	0	0
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	4911	0	3.59	0	0	0	0	0	0.0001
589911	COVANTA PROJECTS OF WALLINGFORD, L.P.	WALLINGFORD	4953	0.60	101.68	6.16	0.64	0.21	5.24	0	0.0019
590011	DEVON POWER, LLC	MILFORD	4911	0.27	7.73	0.52	1.64	1.64	0.10	0.30	0.0017
15588611	EVONIK CYRO LLC	WALLINGFORD	2821	4.55	0.48	0.38	0.05	0.05	0.01	0.01	0
918711	GULF OIL L.P.	NEW HAVEN	5171	45.46	0	0	0	0	0	0	0
843211	MAGELLAN TERMINALS HOLDINGS,LP	NEW HAVEN	4226	47.15	0	0	0	0	0	0	0

EIS Identifier	Site Name	Town	SIC	2014 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
844411	MAGELLAN TERMINALS HOLDINGS,LP (forbes Ave)	NEW HAVEN	4226	23.38	2.66	6.65	0.02	0.02	0	0.01	0
2708911	MILFORD POWER CO, LLC	MILFORD	4911	15.17	92.93	66.46	42.51	42.51	6.65	20.00	0
555511	MOTIVA ENTERPRISES LLC	NEW HAVEN	5171	62.95	4.36	23.35	0.18	0.18	0.21	0	0
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	4226	6.70	0	0	0	0	0	0	0
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	4226	2.17	0.12	0.10	0.01	0.01	0	0	0
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	4911	0.15	4.22	4.87	0.59	0.59	0.06	0	0.0002
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	4911	9.66	181.79	44.33	14.65	14.17	300.00	7.14	0.0017
555711	SOMERS THIN STRIP	WATERBURY	3351	2.62	2.42	1.96	0.18	0.18	0.01	0.07	0
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	3353	38.88	1.06	0.94	0.92	0.92	0.01	0	0
14624011	Wallingford Energy LLC	WALLINGFORD	4911	0.92	3.20	1.84	1.92	1.92	0.15	1.01	0
15588211	WATERBURY GENERATION	WATERBURY	4911	0.65	1.91	1.40	1.03	0.80	0.09	0.70	0
843911	YALE UNIV /CENTRAL POWER PLT	NEW HAVEN	8221	2.69	19.95	6.89	6.58	6.53	3.41	6.66	0.0007
898111	YALE UNIV, SCHOOL OF MEDICINE	NEW HAVEN	8221	4.13	12.69	5.81	5.42	5.42	3.13	0.70	0.0005
Totals for New Haven County				**371.85**	**472.85**	**187.41**	**80.40**	**79.21**	**319.22**	**37.67**	**0.0068**
New London County											
920711	AES Thames LLC	MONTVILLE	4911	0	0	0	0	0	0	0	0
15588411	AMERICAS STYRENICS, LLC	LEDYARD	2821	4.22	4.40	2.21	0.31	0.31	0.01	0.07	0
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	4953	0.05	384.88	83.39	3.20	3.20	28.59	51.68	0.0067
922211	ELECTRIC BOAT CORP	GROTON	3731	8.31	9.04	8.08	0.75	0.75	0.14	0.30	0
552711	Fusion Paperboard Connecticut LLC	SPRAGUE	2631	102.71	156.10	43.75	4.24	4.17	11.59	1.71	0.0004
590111	Millstone Power Station	WATERFORD	4911	0.54	15.76	5.44	0.43	0.39	0.83	0.09	0

EIS Identifier	Site Name	Town	SIC	2014 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
552611	MONTVILLE POWER, LLC	MONTVILLE	4911	2.58	77.82	13.08	8.78	8.77	56.00	1.85	0.003
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	4911	0	3.65	0.01	0.05	0.05	0.04	0	0.0001
921211	PFIZER INC	GROTON	8731	4.62	43.04	29.03	4.88	4.84	1.42	0.64	0.0003
2662011	RockTenn	MONTVILLE	2631	8.66	24.82	35.18	6.35	5.55	1.24	1.35	0.0002
15588511	Styron LLC - Allyn's Point	LEDYARD	2821	0.83	3.64	7.02	0.55	0.52	0.05	0.18	0
15588311	The Gilman Brothers Co	BOZRAH	3089	40.00	1.29	0.14	0.21	0.16	1.96	0.02	0
16708111	Tunnel Station	PRESTON	4911	0	0.56	0	0.01	0.01	0.08	0	0
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	9711	14.11	26.32	14.44	2.82	2.77	1.85	0.81	0.0003
8501611	WHEELABRATOR LISBON IN	LISBON	4953	6.99	293.27	13.96	2.37	2.08	31.47	2.61	0.0011
Totals for New London County				**193.61**	**1,044.57**	**255.75**	**34.95**	**33.57**	**135.27**	**61.31**	**0.0123**
Tolland County											
642611	UNIV OF CT / STORRS	MANSFIELD	8221	5.97	28.69	25.53	17.20	17.18	2.52	6.61	0.0007
Totals for Tolland County				**5.97**	**28.69**	**25.53**	**17.20**	**17.18**	**2.52**	**6.61**	**0.0007**
Windham County											
751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	CHAPLIN	4922	3.84	27.03	12.04	1.79	1.79	0.92	0	0
2765911	FRITO-LAY INC	KILLINGLY	2096	19.78	10.60	14.26	18.66	8.50	0.23	0.48	0.0001
844711	LAKE ROAD GENERATING CO, L.P.	KILLINGLY	4911	13.63	143.00	85.46	67.21	67.21	10.02	64.10	0
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	4911	8.13	59.45	71.26	25.31	25.31	23.61	0.08	0.0003
2766111	ReEnergy Sterling	STERLING	4911	0	0	0	0	0	0	0	0
844811	TEGRANT DIVERSIFIED BRANDS,INC	PUTNAM	3086	28.07	1.75	1.47	0.13	0.13	0.01	0.06	0
Totals for Windham County				**73.44**	**241.83**	**184.50**	**113.11**	**102.95**	**34.80**	**64.72**	**0.0004**
Statewide Total:				**959.65**	**6,099.25**	**1,865.07**	**506.09**	**479.46**	**1,822.20**	**467.68**	**0.0933**

Table C-2: 2014 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions

EIS Identifier	Site Name	NAICS Code	2014 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions [lb/year]		
			NH3	CO	Lead
Fairfield					
16720711	FEDERAL CORRECTIONAL INSTITUTION		0	0	0.80 (Note 1)
2738211	Superior Plating Co		0	0	1.15
9797611	Anco Engineering Inc		0	0	10.50
Total for Fairfield County			**0**	**0**	**12.45**
Hartford					
17052411	AHLSTROM NONWOVENS LLC	313230	42,749	0	0
1906511	Windsor / Bloomfield Landfill	562212	0	603.05	0
2659411	Ensign-Bickford Co	325920	0	0	2.59
2673511	ColtS Mfg Co Inc	332994	0	0	0.007
2775911	Taylor & Fenn Co	331511	0	0	5.17
2789711	Goodrich Pump & Engine Control Sys Inc	336412	0	0	0.072
2789811	Nutmeg Chrome Corp	332813	0	0	0.0435
2790011	Component Tech Inc	332813	10,943	0	0
2790111	Torrey S Crane	331491	0	0	2.12
2790211	Northeastern Shaped Wire Inc	331222	117	0	0
2791111	Theis Precision Steel Corp	331221	0	0	0.253
9793711	Keeney Manufacturing Co Inc	332999	0	0	0.007
Total for Hartford County			**53,809**	**603**	**10.3**
Litchfield					
2674411	Minteq/Specialty Minerals Inc	331491	0	0	0.489
2674911	Summit Corp Of America	332813	0	0	160
9790511	Oldcastle Retail Inc (Dba Bonsal American)	327999	0	0	0.1
Total for Litchfield County			0	0	160.589

EIS Identifier	Site Name	NAICS Code	2014 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions [lb/year]		
			NH3	CO	Lead
Middlesex					
Total for Middlesex County			**0.00**	**0.00**	**0.00**
New Haven					
2660711	American Electro Prods Inc	332813	0	0	0.31
2708211	Mossberg & Sons Inc O F	332994	0	0	0.516
2722911	Kerite Co	335929	0	0	0.5
2723511	Schick Mfg Inc	33221	20	0	0
2723711	Honeywell Fire Sys	334290	0	0	0.45
7948611	Sargent Manufacturing Co	332999	0	0	1.47
897911	Bic Consumer Prod Manu Co	339940	703	0	0
9788411	Jensen Industries Inc.	339114	0	0	0.2
Total for New Haven County			723	0	3.446
New London					
2763511	Freeport-McMoran Copper Products (formerly PHELPS DODGE COPPER PROD CO)	331420	0	0	1.3
Total for New London County			**0**	**0**	**1.3**
Tolland					
2765411	Tyco Printed Circuit Group Stafford Div	334412	0	0	0.3
2765511	Tyco Printed Circuit Group	334412	0	0	0.01
Total for Tolland County			**0**	**0**	**0.31**
Total for Windham County			**0**	**0**	**0**
Connecticut Statewide Total			**54,532**	**603**	**188**

Note 1:The 2014 NEI data file assigned 67.285 pounds (0.0336425 TON) to Danbury Prison FEDERAL CORRECTIONAL INSTITUTION (EIS Identifier 16720711, TRI FACILITY ID 0681WFDRLC3312P), but the current air emissions estimate for the lead emissions at the facilty have been updated to 0.8 pounds. The 2014 NEI lead emissions inappropriately included lead bullets captured in the shooting range, which were corrected to being reported as "other release" rather than an air emissions release.

Table C-3: 2014 Summer Day Emissions of Connecticut Point Sources

EIS Identifier	Site Name	Town	SIC	2014 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NO_X	CO
Fairfield County						
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	4911	46.72	1,269.64	315.11
14623811	BRIDGEPORT INSULATED WIRE CO	STRATFORD	3357	2.30	0.56	0.47
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	4911	0.77	269.24	537.91
533411	Cray Valley USA, LLC	STRATFORD	2869	65.07	1.33	1.12
589611	HAMPFORD RESEARCH INC	STRATFORD	2869	55.86	0.70	0.59
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	4922	142.96	115.19	73.18
2722211	KINGSWOOD KITCHENS INC	DANBURY	2434	47.10	1.48	0.37
552411	NORWALK HOSPITAL ASSOCIATION.	NORWALK	8062	1.04	28.87	4.46
588811	PolyOne Designed Structures and Solutions	STAMFORD	3081	39.99	182.29	37.06
754311	PSEG PWR CT LLC/BPT HARBOR STA.	BRIDGEPORT	4911	24.07	968.66	199.90
642511	SIKORSKY AIRCRAFT	STRATFORD	3721	158.65	32.68	21.97
754211	Sprague Operating Resources, LLC	BRIDGEPORT	5171	185.63	0.13	0.03
14623911	STRATFORD SCHOOL FOR AVIATION	STRATFORD	8249	1.44	0.12	3.96
14623611	WATERSIDE POWER LLC	STAMFORD	4911	0.83	364.94	6.06
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	4953	45.63	7,280.67	306.11
Totals for Fairfield County				**818.10**	**10,516.51**	**1,508.29**
Hartford County						
589711	ALGONQUIN POWER WINDSOR LOCKS	WINDSOR LOCKS	4911	9.35	142.92	97.86
14624511	C R R A / HARTFORD LANDFILL	HARTFORD	9511	10.89	120.81	25.79
715611	C R R A / MID-CONNECTICUT	HARTFORD	4953	36.94	5,662.06	2,006.18
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	4911	3.08	363.96	59.79
2753711	CITGO PETROLEUM CORP	ROCKY HILL	5171	57.38	0.01	0.02
588711	COVANTA BRISTOL, INC	BRISTOL	4953	12.72	1,583.40	128.50
2753811	CTG Resources	ROCKY HILL	4924	0.00	0.32	0.08
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	3728	61.91	88.60	23.94

EIS Identifier	Site Name	Town	SIC	2014 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NO_X	CO
552311	M D C /HARTFORD WPCF	HARTFORD	4952	101.80	358.40	2,140.10
14622811	Manchester Landfill Premises	MANCHESTER	4953	28.40	54.16	13.63
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	3724	50.75	1,278.36	452.85
918811	STANLEY TOOLS DIV	NEW BRITAIN	3423	232.63	10.52	8.84
2673711	SUPREME LAKE MFG CO	SOUTHINGTON	3451	0	0	0
Totals for Hartford County				**605.86**	**9,663.51**	**4,957.58**
Litchfield County						
587911	Albea Metal Americas Inc.	WATERTOWN	3469	0.04	0.91	0.32
2711411	Braxton Manufacturing Company, Inc.	WATERTOWN	3965	0	0	0
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	4911	0.25	0.40	0.01
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	4911	0.04	0.06	0.26
845911	KIMBERLY-CLARK CORP	NEW MILFORD	2621	85.73	240.67	103.76
2673811	WASTE MANAGEMENT OF CT INC	NEW MILFORD	4953	3.74	122.35	204.84
Totals for Litchfield County				**89.81**	**364.39**	**309.18**
Middlesex County						
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	4922	219.03	3,552.11	530.59
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	4911	7.20	688.06	79.96
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	4911	336.86	12,927.72	3,756.05
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	3724	130.97	2,985.65	609.68
Totals for Middlesex County				**694.06**	**20,153.54**	**4,976.29**
New Haven County						
658111	Allnex USA, Inc	WALLINGFORD	2821	563.61	139.97	86.11
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	3356	85.00	0	0
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	4911	0.18	279.07	0.01
589911	COVANTA PROJECTS OF WALLINGFORD, L.P.	WALLINGFORD	4953	3.29	574.50	35.80
590011	DEVON POWER, LLC	MILFORD	4911	10.35	550.83	29.48

EIS Identifier	Site Name	Town	SIC	2014 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NO_X	CO
15588611	EVONIK CYRO LLC	WALLINGFORD	2821	39.19	8.65	2.27
918711	GULF OIL L.P.	NEW HAVEN	5171	249.86	0	0
843211	MAGELLAN TERMINALS HOLDINGS,LP	NEW HAVEN	4226	322.67	0	0
844411	MAGELLAN TERMINALS HOLDINGS,LP (forbes Ave)	NEW HAVEN	4226	162.92	20.56	51.41
2708911	MILFORD POWER CO, LLC	MILFORD	4911	138.20	569.98	706.13
555511	MOTIVA ENTERPRISES LLC	NEW HAVEN	5171	345.56	24.23	130.13
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	4226	61.56	0	0
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	4226	16.36	1.65	1.39
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	4911	0.57	142.06	153.72
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	4911	215.56	906.69	975.25
555711	SOMERS THIN STRIP	WATERBURY	3351	18.80	10.80	8.68
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	3353	215.32	6.00	5.25
14624011	Wallingford Energy LLC	WALLINGFORD	4911	27.18	77.49	64.86
15588211	WATERBURY GENERATION, LLC	WATERBURY	4911	11.62	18.96	27.72
843911	YALE UNIV /CENTRAL POWER PLT	NEW HAVEN	8221	17.95	151.88	26.96
898111	YALE UNIV, SCHOOL OF MEDICINE	NEW HAVEN	8221	11.16	117.04	28.75
Totals for New Haven County				**2,516.91**	**3,600.36**	**2,333.90**
New London County						
920711	AES Thames LLC	MONTVILLE	4911	0	0	0
15588411	AMERICAS STYRENICS, LLC	LEDYARD	2821	23.46	27.46	14.49
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	4953	16.32	2,231.42	483.59
922211	ELECTRIC BOAT CORP	GROTON	3731	21.84	18.61	4.17
552711	Fusion Paperboard Connecticut LLC	SPRAGUE	2631	880.67	895.15	247.48
590111	Millstone Power Station	WATERFORD	4911	1.77	53.20	17.38
552611	MONTVILLE POWER, LLC	MONTVILLE	4911	185.64	24,439.64	1,169.30
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	4911	0.04	94.49	0.35

EIS Identifier	Site Name	Town	SIC	2014 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NO_X	CO
921211	PFIZER INC	GROTON	8731	41.63	580.99	209.97
2662011	RockTenn	MONTVILLE	2631	50.07	137.06	202.44
15588511	Styron LLC - Allyn's Point	LEDYARD	2821	4.62	19.34	38.03
15588311	The Gilman Brothers Company	BOZRAH	3089	276.42	5.24	0.56
16708111	Tunnel Station	PRESTON	4911	0.29	379.80	1.88
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	9711	80.64	68.82	14.98
8501611	WHEELABRATOR LISBON INC	LISBON	4953	41.36	1,695.34	82.87
Totals for New London County				**1,624.78**	**30,646.54**	**2,487.48**
Tolland County						
642611	UNIV OF CT / STORRS	MANSFIELD	8221	26.49	210.63	152.74
Totals for Tolland County				**26.49**	**210.63**	**152.74**
Windham County						
751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	CHAPLIN	4922	28.79	258.36	114.92
2765911	FRITO-LAY INC	KILLINGLY	2096	111.77	64.33	81.38
844711	LAKE ROAD GENERATING CO, L.P.	KILLINGLY	4911	96.11	848.80	489.00
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	4911	97.42	772.46	855.00
2766111	ReEnergy Sterling	STERLING	4911	0	0	0
844811	TEGRANT DIVERSIFIED BRANDS,INC	PUTNAM	3086	155.94	19.86	16.68
Totals for Windham County				**490.03**	**1,963.80**	**1,556.98**
Statewide Total:				**6,866.04**	**77,119.28**	**18,282.45**

Table C-4: List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
1-01-001-01	Electric Generation Pulverized Coal	0.07	18	0.6	((1E-1*S-3E-2)*24.6) +(2.3E0*A)	-	3.9E1*S	0.000565	0.0089	TON
1-01-001-02	Electric Generation Traveling Grate (Overfeed) Stoker	0.07	9	0.6	(4.800E0)+(8E-2*A)	(2.500E0)+(8E-2*A)	3.9E1*S	0.000565	0.0089	TON
1-01-002-01	Electric Generation Pulverized Coal: Wet Bottom (Bituminous Coal)	0.04	31	0.5	((1E-1*S-3E-2)*26) +(2.6E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-01-002-02	Electric Generation Pulverized Coal: Dry Bottom (Bituminous Coal)	0.06	22	0.5	((1E-1*S-3E-2)*26) +(2.3E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-01-002-03	Electric Generation Cyclone Furnace (Bituminous Coal)	0.11	33	0.5	((1E-1*S-3E-2)*26) +(2.6E-1*A)	-	3.8E1*S	0.000565	0.013182	TON
1-01-002-04	Electric Generation Spreader Stoker (Bituminous Coal)	0.05	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-01-002-05	Electric Generation Traveling Grate (Overfeed) Stoker (Bituminous Coal)	0.05	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON
1-01-002-11	Electric Generation Wet Bottom (Tangential) (Bituminous Coal)	-	14	0.5	-	-	3.8E1*S	0.000565	-	TON
1-01-002-12	Electric Generation Pulverized Coal: Dry Bottom (Tangential) (Bituminous Coal)	0.06	15	0.5	((1E-1*S-3E-2)*26) +(2.3E0*A)	-	3.8E1*S	0.000565	-	TON
1-01-002-15	Electric Generation Cell Burner (Bituminous Coal)	-	31	0.5	-	-	3.8E1*S	0.000565	-	TON
1-01-002-17	Electric Generation Atmospheric Fluidized Bed Combustion: Bubbling Bed (Bituminous Coal)	0.05	15.2	18	12.9	1.88	-	0.000565	-	TON
1-01-002-18	Electric Generation Atmospheric Fluidized Bed Combustion: Circulating Bed (Bitum. Coal)	-	5	18	12.9	1.88	-	0.000565	-	TON
1-01-002-21	Electric Generation Pulverized Coal: Wet Bottom (Subbituminous Coal)	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-01-002-22	Electric Generation Pulverized Coal: Dry Bottom (Subbituminous Coal)	-	7.4	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-01-002-23	Electric Generation Cyclone Furnace (Subbituminous Coal)	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-01-002-24	Electric Generation Spreader Stoker (Subbituminous Coal)	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-01-002-25	Electric Generation Traveling Grate (Overfeed) Stoker (Subbituminous Coal)	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-01-002-26	Electric Generation Pulverized Coal: Dry Bottom Tangential (Subbituminous Coal)	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-01-002-35	Electric Generation Cell Burner (Subbituminous Coal)	-	14	0.5	-	-	3.5E1*S	0.000565	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
1-01-002-37	Electric Generation Atmospheric Fluidized Bed Combustion: Bubbling Bed (Subbitum Coal)	0.05	15.2	18	16.6	1.88	-	0.000565	-	TON
1-01-002-38	Electric Generation Atmospheric Fluidized Bed Combustion - Circulating Bed (Subbitum Coal)	-	-	-	-	-	-	0.000565	-	TON
1-01-003-00	Electric Generation Pulverized Coal: Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-01-003-01	Electric Generation Pulverized Coal: Dry Bottom, Wall Fired	-	13	0.25	-	-	3E1*S	0.000565	-	TON
1-01-003-02	Electric Generation Pulverized Coal: Dry Bottom, Tangential Fired	-	7.1	0.6	-	-	3E1*S	0.000565	-	TON
1-01-003-03	Electric Generation Cyclone Furnace	-	15	0.6	-	-	3E1*S	0.000565	-	TON
1-01-003-04	Electric Generation Traveling Grate (Overfeed) Stoker	-	6	6	(1.070E0*A)+6.400E-1	(4.066E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-01-003-06	Electric Generation Spreader Stoker	-	5.8	5	(1.600E0*A) +6.400E-1	(5.600E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-01-003-16	Electric Generation Atmospheric Fluidized Bed ** (See 101003-17 & -18)	-	3.6	0.15	-	-	1E1*S	0.000565	-	TON
1-01-003-17	Electric Generation Atmospheric Fluidized Bed Combustion - Bubbling Bed	0.03	3.6	-	-	-	1E1*S	0.000565	-	TON
1-01-003-18	Electric Generation Atmospheric Fluidized Bed Combustion - Circulating Bed	0.03	3.6	0.15	-	-	-	0.000565	-	TON
1-01-004-01	Electric Generation Grade 6 Oil: Normal Firing	1.0792	47	5	(5.9E0*(1.12*S+0.37)) +(1.500E0)	(4.3E0*(1.12*S+0.37)) +(1.500E0)	1.57E2*S	0.8	0.00151	E3GAL
1-01-004-04	Electric Generation Grade 6 Oil: Tangential Firing	1.0792	32	5	(5.9E0*(1.12*S+0.37)) +(1.500E0)	(4.3E0*(1.12*S+0.37)) +(1.500E0)	1.57E2*S	0.8	0.00151	E3GAL
1-01-004-05	Electric Generation Grade 5 Oil: Normal Firing	-	47	5	(5.9E0*A)+(1.50E0)	(4.3E0*A)+(1.50E0)	1.57E2*S	0.8	0.0024	E3GAL
1-01-004-06	Electric Generation Grade 5 Oil: Tangential Firing	-	32	5	(5.9E0*A)+(1.50E0)	(4.3E0*A)+(1.50E0)	1.57E2*S	0.8	-	E3GAL
1-01-005-01	Electric Generation Grades 1 and 2 Oil	0.2	24	5	2.3	1.55	1.42E2*S	0.8	0.00126	E3GAL
1-01-005-04	Electric Generation Grade 4 Oil: Normal Firing	1.1324	47	5	(5.9E0*A)+(1.50E0)	(4.3E0*A)+(1.50E0)	1.5E2*S	0.8	0.0004	E3GAL
1-01-005-05	Electric Generation Grade 4 Oil: Tangential Firing	1.1324	32	5	6.5	5.1	1.5E2*S	0.8	0.0004	E3GAL
1-01-006-01	Electric Generation Boilers > 100 Million Btu/hr except Tangential	5.5	280	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-006-02	Electric Generation Boilers < 100 Million Btu/hr except Tangential	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-006-04	Electric Generation Tangentially Fired Units	5.5	170	24	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-007-01	Electric Generation Boilers > 100 Million Btu/hr	0.43	100	6.57	8.7	7.41	3.5	-	-	E6FT3
1-01-007-02	Electric Generation Boilers < 100 Million Btu/hr	0.43	100	6.57	8.7	7.41	3.5	-	-	E6FT3
1-01-008-01	Electric Generation All Boiler Sizes	0.07	21	0.6	-	-	3.9E1*S	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
1-01-009-01	Electric Generation Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02) +(5.00E-01))*9	-	0.225	-	0.000432	TON
1-01-009-02	Electric Generation Wood/Bark Fired Boiler	0.153	1.98	5.4	((1.70E-02) +(5.00E-01))*9	-	0.225	-	0.000432	TON
1-01-009-03	Electric Generation Wood-fired Boiler - Wet Wood (>=20% moisture)	0.153	1.98	5.4	((1.70E-02) +(2.90E-01))*9	-	0.225	-	0.000432	TON
1-01-009-08	Electric Generation Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-01-009-10	Electric Generation Fuel cell/Dutch oven boilers **	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-01-009-11	Electric Generation Stoker boilers **	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-01-009-12	Electric Generation Fluidized bed combustion boilers	-	2	1.4	-	-	0.075	-	-	TON
1-01-010-01	Electric Generation Butane	0.26	21	3.6	1.14	1.14	9.5E-2*S	-	-	E3GAL
1-01-010-02	Electric Generation Propane	0.459	19	3.1	1.11	0.848	9.5E-2*S	-	-	E3GAL
1-01-011-01	Electric Generation All Boiler Sizes	-	1.2	-	-	-	-	-	-	TON
1-01-012-01	Electric Generation Specify Waste Material in Comments	-	-	-	-	-	-	-	0.265	TON
1-01-012-02	Electric Generation Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	-	TON
1-01-013-01	Electric Generation Specify Waste Material in Comments	1	-	-	-	-	-	-	-	E3GAL
1-01-013-02	Electric Generation Waste Oil	1	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-02-001-01	Industrial Pulverized Coal	0.07	18	0.6	((1E-1*S-3E-2)*24.6)+(2.3E0*A)	-	3.9E1*S	0.000565	0.0089	TON
1-02-001-04	Industrial Traveling Grate (Overfeed) Stoker	0.07	9	0.6	(4.800E0)+(8E-2*A)	(2.500E0)+(8E-2*A)	-	0.000565	0.0089	TON
1-02-001-07	Industrial Hand-fired	10	3	90	-	-	3.9E1*S	0.000565	0.0089	TON
1-02-001-17	Industrial Fluidized Bed Boiler Burning Anthracite-Culm Fuel	-	1.8	0.3	-	-	2.9	0.000565	-	TON
1-02-002-01	Industrial Pulverized Coal: Wet Bottom	0.0328	31	0.5	((1E-1*S-3E-2)*26) +(2.6E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-02-002-02	Industrial Pulverized Coal: Dry Bottom	0.0492	22	0.5	((1E-1*S-3E-2)*26) +(2.3E0*A)	-	3.8E1*S	0.000565	0.0142	TON
1-02-002-03	Industrial Cyclone Furnace	0.0902	33	0.5	((1E-1*S-3E-2)*26) +(2.6E-1*A)	-	3.8E1*S	0.000565	0.013182	TON
1-02-002-04	Industrial Spreader Stoker	0.041	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-02-002-05	Industrial Overfeed Stoker	0.041	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON
1-02-002-06	Industrial Underfeed Stoker	1.066	9.5	11	7.24	4.84	3.1E1*S	0.000565	0.013182	TON
1-02-002-10	Industrial Overfeed Stoker **	0.07	7.5	6	7.04	3.24	3.9E1*S	0.000565	0.0133	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
1-02-002-12	Industrial Pulverized Coal: Dry Bottom (Tangential)	0.0492	15	0.5	((1E-1*S-3E-2)*26) +(2.3E0*A)	-	3.8E1*S	0.000565	-	TON
1-02-002-13	Industrial Wet Slurry	-	-	-	-	-	-	0.000565	-	TON
1-02-002-17	Industrial Atmospheric Fluidized Bed Combustion: Bubbling Bed (Bituminous Coal)	0.041	15.2	18	12.9	1.88	-	0.000565	-	TON
1-02-002-18	Industrial Atmospheric Fluidized Bed Combustion: Circulating Bed (Bitum. Coal)	-	5	18	12.9	1.88	-	0.000565	-	TON
1-02-002-19	Industrial Cogeneration (Bituminous Coal)	0.07	15	0.6	((1E-1*S-3E-2)*26) +(2.3E0*A)	-	3.9E1*S	0.000565	-	TON
1-02-002-21	Industrial Pulverized Coal: Wet Bottom (Subbituminous Coal)	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-02-002-22	Industrial Pulverized Coal: Dry Bottom (Subbituminous Coal)	-	12	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-02-002-23	Industrial Cyclone Furnace (Subbituminous Coal)	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-02-002-24	Industrial Spreader Stoker (Subbituminous Coal)	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-02-002-25	Industrial Traveling Grate (Overfeed) Stoker (Subbituminous Coal)	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-02-002-26	Industrial Pulverized Coal: Dry Bottom Tangential (Subbituminous Coal)	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-02-002-29	Industrial Cogeneration (Subbituminous Coal)	0.06	14.4	0.6	-	-	3.5E1*S	0.000565	-	TON
1-02-003-00	Industrial Pulverized Coal: Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-02-003-01	Industrial Pulverized Coal: Dry Bottom, Wall Fired	0.07	-	-	-	-	3E1*S	0.000565	-	TON
1-02-003-02	Industrial Pulverized Coal: Dry Bottom, Tangential Fired	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON
1-02-003-03	Industrial Cyclone Furnace	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON
1-02-003-04	Industrial Traveling Grate (Overfeed) Stoker	0.07	6	6	(1.070E0*A) +6.400E-1	(4.066E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-02-003-06	Industrial Spreader Stoker	0.07	-	5	(1.600E0*A) +6.400E-1	(5.600E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-02-003-07	Industrial Cogeneration	0.07	7.3	0.6	(2.3E0*A)+6.400E-1	(6.600E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-02-004-01	Industrial Grade 6 Oil	0.3976	47	5	8.03E0*S+4.15E0	5.23E0*S+3.23E0	1.57E2*S	0.8	0.0015	E3GAL
1-02-004-02	Industrial 10-100 Million Btu/hr **	0.3976	55	5	(7.17E0*(1.12*S+0.37))+(1.50E0)	(4.67E0*(1.12*S+0.37))+(1.50E0)	1.57E2*S	0.8	0.0015	E3GAL
1-02-004-03	Industrial < 10 Million Btu/hr **	-	55	5	(7.17E0*A)+(1.50E0)	(4.67E0*A)+(1.50E0)	1.57E2*S	0.8	-	E3GAL
1-02-004-04	Industrial Grade 5 Oil	-	47	5	10.1	7.1	1.57E2*S	0.8	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
1-02-004-05	Industrial Cogeneration	0.28	55	5	(7.90E0*S+2.77E0) +1.50E0	(1.226*S+1.803E0) +1.50E0	1.586E2*S	0.8	0.0015	E3GAL
1-02-005-01	Industrial Grades 1 and 2 Oil	0.298	24	5	2.3	1.55	1.42E2*S	0.8	0.00126	E3GAL
1-02-005-02	Industrial 10-100 Million Btu/hr **	0.298	20	5	2.3	1.55	1.42E2*S	0.8	0.0012	E3GAL
1-02-005-03	Industrial < 10 Million Btu/hr **	0.298	20	5	2.3	1.55	1.42E2*S	0.8	0.0012	E3GAL
1-02-005-04	Industrial Grade 4 Oil	0.298	47	5	7.5	5.4	1.5E2*S	0.8	0.0004	E3GAL
1-02-005-05	Industrial Cogeneration	0.2	20	5	2.3	1.55	1.436E2*S	0.8	-	E3GAL
1-02-006-01	Industrial > 100 Million Btu/hr	5.5	280	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-02	Industrial 10-100 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-03	Industrial < 10 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-04	Industrial Cogeneration	5.5	170	24	7.6	7.6	0.6	3.2	-	E6FT3
1-02-006-99	Industrial IND BLR: NAT GAS	5.94	100	84	-	-	0.6	-	-	E6FT3
1-02-007-01	Industrial Petroleum Refinery Gas	2.8	140	35	8.7	8.7	9.5E2*S	-	-	E6FT3
1-02-007-04	Industrial Blast Furnace Gas	-	23	13.7	8.6	8.6	9.5E2*S	-	-	E6FT3
1-02-007-07	Industrial Coke Oven Gas	1.2	80	18.4	10.1	8.92	6.8E2*S	-	-	E6FT3
1-02-007-10	Industrial Cogeneration	2.8	-	-	-	-	-	-	-	E6FT3
1-02-008-02	Industrial All Boiler Sizes	0.07	14	0.6	-	-	3.9E1*S	-	-	TON
1-02-008-04	Industrial Cogeneration	0.07	14	0.6	-	-	3.9E1*S	-	-	TON
1-02-009-01	Industrial Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02) +(5.00E-01))*9	-	0.225	-	0.000432	TON
1-02-009-02	Industrial Wood/Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02) +(5.00E-01))*9	-	0.225	-	0.000432	TON
1-02-009-03	Industrial Wood-fired Boiler - Wet Wood (>=20% moisture)	0.153	1.98	5.4	((1.70E-02) +(2.90E-01))*9	-	0.225	-	0.000432	TON
1-02-009-04	Industrial Bark-fired Boiler (< 50,000 Lb Steam) **	0.22	1.5	13.6	-	-	0.07	-	0.0029	TON
1-02-009-05	Industrial Wood/Bark-fired Boiler (< 50,000 Lb Steam) **	1.4	1.5	13.6	-	-	0.07	-	-	TON
1-02-009-06	Industrial Wood-fired Boiler (< 50,000 Lb Steam) **	1.4	1.5	13.6	-	-	0.07	-	-	TON
1-02-009-07	Industrial Wood Cogeneration	1.4	2.8	4	-	-	0.15	-	-	TON
1-02-009-08	Industrial Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-02-009-10	Industrial Fuel cell/Dutch oven boilers **	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-02-009-11	Industrial Stoker boilers **	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-02-009-12	Industrial Fluidized bed combustion boiler	-	2	1.4	-	-	0.075	-	-	TON
1-02-010-01	Industrial Butane	0.648	21	3.6	1.14	1.14	9.000E-2*S	-	-	E3GAL
1-02-010-02	Industrial Propane	0.54	19	3.2	1.11	1.11	1.000E-1*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
1-02-011-01	Industrial All Boiler Sizes	-	1.2	-	-	-	-	-	-	TON
1-02-012-01	Industrial Specify Waste Material in Comments	2	5.9	-	-	-	1.6	-	-	TON
1-02-012-02	Industrial Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	0.13	TON
1-02-013-01	Industrial Specify Waste Material in Comments	1	23	-	-	-	28	-	-	E3GAL
1-02-013-02	Industrial Waste Oil	1.42	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-02-014-01	Industrial Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
1-02-014-02	Industrial Process Gas	2.8	140	35	-	-	9.5E2*S	-	-	E6FT3
1-02-014-03	Industrial Distillate Oil	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
1-02-014-04	Industrial Residual Oil	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
1-03-001-01	Commercial/Institutional Pulverized Coal	0.07	18	0.6	((1E-1*S-3E-2)*24.6) +(2.3E0*A)	-	3.9E1*S	0.000565	0.0089	TON
1-03-001-02	Commercial/Institutional Traveling Grate (Overfeed) Stoker	0.07	9	0.6	(4.800E0)+(8E-2*A)	(2.500E0)+(8E-2*A)	-	0.000565	0.0089	TON
1-03-001-03	Commercial/Institutional Hand-fired	10	3	90	-	-	3.9E1*S	0.000565	0.0089	TON
1-03-002-03	Commercial/Institutional Cyclone Furnace (Bituminous Coal)	-	33	0.5	-	-	3.8E1*S	0.000565	0.013182	TON
1-03-002-05	Commercial/Institutional Pulverized Coal: Wet Bottom (Bituminous Coal)	0.04	31	0.5	((1E-1*S-3E-2)*26) +(2.6E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-03-002-06	Commercial/Institutional Pulverized Coal: Dry Bottom (Bituminous Coal)	0.06	22	0.5	((1E-1*S-3E-2)*26) +(2.3E0*A)	-	3.8E1*S	0.000565	0.013182	TON
1-03-002-07	Commercial/Institutional Overfeed Stoker (Bituminous Coal)	0.05	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON
1-03-002-08	Commercial/Institutional Underfeed Stoker (Bituminous Coal)	1.3	9.5	11	7.24	4.84	3.1E1*S	0.000565	0.0142	TON
1-03-002-09	Commercial/Institutional Spreader Stoker (Bituminous Coal)	0.05	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-03-002-11	Commercial/Institutional Overfeed Stoker **	0.07	7.5	6	7.04	3.24	3.9E1*S	0.000565	-	TON
1-03-002-14	Commercial/Institutional Hand-fired (Bituminous Coal)	10	9.1	275	-	-	3.1E1*S	0.000565	0.0142	TON
1-03-002-16	Commercial/Institutional Pulverized Coal: Dry Bottom (Tangential) (Bituminous Coal)	0.06	15	0.5	((1E-1*S-3E-2)*26) +(2.3E0*A)	-	3.8E1*S	0.000565	-	TON
1-03-002-17	Commercial/Institutional Atmospheric Fluidized Bed Combustion: Bubbling Bed (Bituminous Coal)	0.05	15.2	18	12.9	1.88	-	0.000565	-	TON
1-03-002-18	Commercial/Institutional Atmospheric Fluidized Bed Combustion: Circulating Bed (Bitum. Coal)	-	5	18	12.9	1.88	-	0.000565	-	TON
1-03-002-21	Commercial/Institutional Pulverized Coal: Wet Bottom (Subbituminous Coal)	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
1-03-002-22	Commercial/Institutional Pulverized Coal: Dry Bottom (Subbituminous Coal)	-	12	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-03-002-23	Commercial/Institutional Cyclone Furnace (Subbituminous Coal)	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-03-002-24	Commercial/Institutional Spreader Stoker (Subbituminous Coal)	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-03-002-25	Commercial/Institutional Traveling Grate (Overfeed) Stoker (Subbituminous Coal)	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-03-002-26	Commercial/Institutional Pulverized Coal: Dry Bottom Tangential (Subbituminous Coal)	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-03-003-00	Commercial/Institutional Pulverized Coal: Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-03-003-05	Commercial/Institutional Pulverized Coal: Dry Bottom, Wall Fired	0.07	-	-	-	-	3E1*S	0.000565	-	TON
1-03-003-06	Commercial/Institutional Pulverized Coal: Dry Bottom, Tangential Fired	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON
1-03-003-07	Commercial/Institutional Traveling Grate (Overfeed) Stoker	0.07	6	6	(1.070E0*A)+6.400E-1	(4.066E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-03-003-09	Commercial/Institutional Spreader Stoker	0.07	-	5	(1.600E0*A) +6.400E-1	(5.600E-1*A)+6.400E-1	3E1*S	0.000565	-	TON
1-03-004-01	Commercial/Institutional Grade 6 Oil	1.6046	47	5	5.17E0*(1.12*S+0.37) +(1.500E0)	1.92E0*(1.12*S+0.37) +(1.500E0)	1.57E2*S	0.8	0.0015	E3GAL
1-03-004-02	Commercial/Institutional 10-100 Million Btu/hr **	1.6046	55	5	(5.17E0*A)+(1.50E0)	(1.92E0*A)+(1.50E0)	1.57E2*S	0.8	0.0015	E3GAL
1-03-004-03	Commercial/Institutional < 10 Million Btu/hr **	-	55	5	(5.17E0*A)+(1.50E0)	(1.92E0*A)+(1.50E0)	1.57E2*S	0.8	-	E3GAL
1-03-004-04	Commercial/Institutional Grade 5 Oil	-	55	5	7.7	3.8	1.57E2*S	0.8	-	E3GAL
1-03-005-01	Commercial/Institutional Grades 1 and 2 Oil	0.5066	24	5	2.38	2.13	1.42E2*S	0.8	0.00126	E3GAL
1-03-005-02	Commercial/Institutional 10-100 Million Btu/hr **	0.5066	20	5	2.38	2.13	1.42E2*S	0.8	-	E3GAL
1-03-005-03	Commercial/Institutional < 10 Million Btu/hr **	0.5066	20	5	2.38	2.13	1.42E2*S	0.8	-	E3GAL
1-03-005-04	Commercial/Institutional Grade 4 Oil	0.5066	20	5	2.38	2.13	1.5E2*S	0.8	0.0004	E3GAL
1-03-006-01	Commercial/Institutional > 100 Million Btu/hr	5.5	280	84	7.6	7.6	0.6	0.49	0.0005	E6FT3
1-03-006-02	Commercial/Institutional 10-100 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	0.49	0.0005	E6FT3
1-03-006-03	Commercial/Institutional < 10 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	0.49	0.0005	E6FT3
1-03-007-01	Commercial/Institutional POTW Digester Gas-fired Boiler	3	-	-	-	-	4.5	-	-	E6FT3
1-03-009-01	Commercial/Institutional Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02) +(5.00E-01))*9	-	0.225	-	0.000432	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
1-03-009-02	Commercial/Institutional Wood/Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02) +(5.00E-01))*9	-	0.225	-	0.000432	TON
1-03-009-03	Commercial/Institutional Wood-fired Boiler - Wet Wood (>=20% moisture)	0.153	1.98	5.4	((1.70E-02) +(2.90E-01))*9	-	0.225	-	0.000432	TON
1-03-009-08	Commercial/Institutional Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-03-009-10	Commercial/Institutional Fuel cell/Dutch oven boilers **	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-03-009-11	Commercial/Institutional Stoker boilers **	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-03-009-12	Commercial/Institutional Fluidized bed combustion boilers	-	2	1.4	-	-	0.075	-	-	TON
1-03-010-01	Commercial/Institutional Butane	0.5	15	2.1	1.04	1.04	9.000E-2*S	-	-	E3GAL
1-03-010-02	Commercial/Institutional Propane	0.5076	14	1.9	0.906	0.906	1.000E-1*S	-	-	E3GAL
1-03-012-01	Commercial/Institutional Specify Waste Material in Comments	2	5.9	-	-	-	1.6	-	-	TON
1-03-012-02	Commercial/Institutional Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	0.13	TON
1-03-013-01	Commercial/Institutional Specify Waste Material in Comments	1	-	-	-	-	-	-	-	E3GAL
1-03-013-02	Commercial/Institutional Waste Oil	0.142	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-05-001-01	Space Heaters IND SPACE HEATER:ANT COAL	0.0574	18	0.6	-	-	39*S	-	0.0133	TON
1-05-001-02	Space Heaters Coal **	-	3	-	-	-	3.9E1*S	0.000565	-	TON
1-05-001-05	Space Heaters Distillate Oil	0.298	20	5	3.76	1.92	1.436E2*S	0.8	0.0012	E3GAL
1-05-001-06	Space Heaters Natural Gas	5.3	100	20	8.7	8.7	0.6	-	-	E6FT3
1-05-001-10	Space Heaters Liquified Petroleum Gas (LPG)	0.54	20	3.4	1.13	1.13	9.5E-2*S	-	-	E3GAL
1-05-001-13	Space Heaters Waste Oil: Air Atomized Burner	1	16	2.1	(5.700E1*A)+1.500E0	(4.554E1*A)+1.50E0	1.07E2*S	-	2	E3GAL
1-05-001-14	Space Heaters Waste Oil: Vaporizing Burner	1	11	1.7	(2.49E0*A)+1.50E0	(1.93E0*A)+1.50E0	1E2*S	-	0.0164	E3GAL
1-05-002-01	Space Heaters COM SPACE HEATER:ANT COAL	0.07	18	0.6	-	-	39*S	-	0.0133	TON
1-05-002-02	Space Heaters Coal **	-	3	-	-	-	3.9E1*S	0.000565	-	TON
1-05-002-05	Space Heaters Distillate Oil	0.7	20	5	3.76	1.92	1.436E2*S	0.8	0.0012	E3GAL
1-05-002-06	Space Heaters Natural Gas	5.3	100	20	8.7	8.7	0.6	-	-	E6FT3
1-05-002-09	Space Heaters Wood	1.4	1.5	13.6	-	-	0.075	-	-	TON
1-05-002-10	Space Heaters Liquified Petroleum Gas (LPG)	0.54	14.5	2	0.976	0.976	9.5E-2*S	-	-	E3GAL
1-05-002-13	Space Heaters Waste Oil: Air Atomized Burner	1	16	2.1	(5.700E1*A)+1.500E0	(4.554E1*A)+1.50E0	1.07E2*S	-	2	E3GAL
1-05-002-14	Space Heaters Waste Oil: Vaporizing Burner	1	11	1.7	(2.49E0*A)+1.50E0	(1.93E0*A)+1.50E0	1E2*S	-	0.0164	E3GAL
2-01-001-01	Electric Generation Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-01-001-02	Electric Generation Reciprocating	57.96	604	130	-	-	39.7	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
2-01-002-01	Electric Generation Turbine	2.1	320	82	0.31	0.19	(9.4E-1*S)*1000	-	-	E6FT3
2-01-002-02	Electric Generation Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-01-009-01	Electric Generation Turbine	0.0684	118.8	0.4455	-	-	(1.01*S)*135	-	0.0019	E3GAL
2-01-009-02	Electric Generation Reciprocating	42.75	595.35	128.25	-	-	39.15	-	-	E3GAL
2-02-001-01	Industrial Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-02-001-02	Industrial Reciprocating	57.96	604	130	-	-	39.7	-	-	E3GAL
2-02-001-03	Industrial Turbine: Cogeneration	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-02-001-04	Industrial Reciprocating: Cogeneration	57.96	604	130	-	-	39.7	-	-	E3GAL
2-02-002-01	Industrial Turbine	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-02-002-02	Industrial Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-02-002-03	Industrial Turbine: Cogeneration	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-02-002-04	Industrial Reciprocating: Cogeneration	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-02-002-52	Industrial 2-cycle Lean Burn	120	3170	386	48.3	48.3	0.588	-	-	E6FT3
2-02-002-53	Industrial 4-cycle Rich Burn	29.6	2270	3720	19.4	19.4	0.588	-	-	E6FT3
2-02-002-54	Industrial 4-cycle Lean Burn	118	4080	557	9.99	9.99	0.588	-	-	E6FT3
2-02-003-01	Industrial Reciprocating	281.1	205	7900	-	-	10.6	-	-	E3GAL
2-02-004-01	Industrial Diesel	11.5	438	116	7.85	7.55	1.38E2*S	-	-	E3GAL
2-02-004-02	Industrial Dual Fuel (Oil/Gas)	-	-	-	57.3	55.6	-	-	-	E6FT3
2-02-004-03	Industrial Cogeneration: Dual Fuel	-	-	-	0.0573	0.0556	-	-	-	E6BTU
2-02-005-01	Industrial Reciprocating	32.1	604	130	-	-	1.55E2*S	-	-	E3GAL
2-02-009-01	Industrial Turbine	5.4378	118.8	0.4455	1.593	1.4985	(1.01*S)*135	-	-	E3GAL
2-02-009-02	Industrial Reciprocating	42.75	595.35	128.25	-	-	39.15	-	-	E3GAL
2-03-001-01	Commercial/Institutional Reciprocating	57.96	604	130	-	-	39.7	-	-	E3GAL
2-03-001-02	Commercial/Institutional Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-03-001-03	Commercial/Institutional COM/INS TURB:#2 OIL,COGEN	2.7132	97.72	6.72	-	-	141.4*S	-	0.0081	E3GAL
2-03-002-01	Commercial/Institutional Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-03-002-02	Commercial/Institutional Turbine	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-03-002-03	Commercial/Institutional Turbine: Cogeneration	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-03-003-01	Commercial/Institutional Reciprocating	282.1	205	7900	-	-	10.6	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
2-03-007-01	Commercial/Institutional Turbine	0.0058	0.16	0.017	0.0148	0.0148	0.0065	-	0.0000034	E6BTU
2-03-008-01	Commercial/Institutional Turbine	0.013	0.14	0.44	0.0248	0.0248	0.045	-	-	E6BTU
2-03-010-01	Commercial/Institutional Propane: Reciprocating	34.03	139	129	-	-	0.35	-	-	E3GAL
2-03-010-02	Commercial/Institutional Butane: Reciprocating	34.03	139	129	-	-	0.35	-	-	E3GAL
2-04-001-01	Engine Testing Turbojet	52.44	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-02	Engine Testing Turboshaft	52.44	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-10	Engine Testing Jet A Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-11	Engine Testing JP-5 Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-12	Engine Testing JP-4 Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-99	Engine Testing Other Not Classified	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-003-01	Engine Testing Natural Gas	6.9	300	120	18.8	18.8	0.6	-	-	E6FT3
2-04-003-02	Engine Testing Diesel/Kerosene	1.9557	97.7	6.72	-	-	1.4E2*S	-	-	E3GAL
2-04-004-01	Engine Testing Gasoline	148	102	3940	-	-	5.31	-	-	E3GAL
2-04-004-02	Engine Testing Diesel/Kerosene	32.1	604	130	-	-	39.7	-	-	E3GAL
3-01-001-01	Chemical Manufacturing General	42.7	-	115	-	-	-	-	-	TON
3-01-001-02	Chemical Manufacturing Raw Material Storage	2.2	-	-	-	-	-	-	-	TON
3-01-001-03	Chemical Manufacturing Cyclohexane Oxidation	0.55	1.4	0.49	-	-	-	-	-	TON
3-01-001-04	Chemical Manufacturing Nitric Acid Reaction	0.014	1.6	0.28	-	-	-	-	-	TON
3-01-001-05	Chemical Manufacturing Adipic Acid Refining	0.5	0.6	-	-	-	-	-	-	TON
3-01-001-06	Chemical Manufacturing Drying, Loading, and Storage	0.1	-	-	-	-	-	-	-	TON
3-01-001-07	Chemical Manufacturing Absorber	0.4	94.8	-	-	-	-	-	-	TON
3-01-001-80	Chemical Manufacturing Fugitive Emissions: General	61800	-	-	-	-	-	-	-	EACH
3-01-003-05	Chemical Manufacturing Feedstock Desulfurization	7.2	-	13.8	-	-	0.0576	-	-	TON
3-01-003-06	Chemical Manufacturing Primary Reformer: Natural Gas Fired	0.012	5.4	0.136	-	-	0.0048	-	-	TON
3-01-003-07	Chemical Manufacturing Primary Reformer: Oil Fired	0.38	5.4	0.24	-	-	2.6	-	-	TON
3-01-003-08	Chemical Manufacturing Carbon Dioxide Regenerator	1.04	-	2	-	-	-	2	-	TON
3-01-003-09	Chemical Manufacturing Condensate Stripper	1.2	-	-	-	-	-	2.2	-	TON
3-01-005-04	Chemical Manufacturing Oil Furnace Process: Main Process Vent	100	0.56	2800	-	-	-	-	-	TON
3-01-005-07	Chemical Manufacturing Pellet Dryer	0.4	0.73	-	-	-	-	-	-	TON
3-01-005-10	Chemical Manufacturing Main Process Vent with CO Boiler and Incinerator	1.98	9.3	1.75	-	-	35.2	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-006-01	Chemical Manufacturing General	276.32	24	344	-	-	-	-	-	TON
3-01-006-03	Chemical Manufacturing Batch Kiln	270	24	290	-	-	-	-	-	TON
3-01-006-04	Chemical Manufacturing Continuous Kiln	270	24	290	-	-	-	-	-	TON
3-01-009-01	Chemical Manufacturing Spray Drying: Soaps and Detergents	0.05	-	-	-	-	-	-	-	TON
3-01-010-11	Chemical Manufacturing Batch Process: Nitration Reactors Fume Recovery	-	25	-	-	-	-	-	-	TON
3-01-010-12	Chemical Manufacturing Batch Process: Nitration Reactors Acid Recovery	-	55	-	-	-	-	-	-	TON
3-01-010-13	Chemical Manufacturing Batch Process: Nitric Acid Concentrators	-	37	-	-	-	-	-	-	TON
3-01-010-14	Chemical Manufacturing Batch Process: Sulfuric Acid Concentrators	-	40	-	-	-	14	-	-	TON
3-01-010-15	Chemical Manufacturing Batch Process: Red Water Incinerator	1.1	26	-	-	-	2	-	-	TON
3-01-010-21	Chemical Manufacturing Continuous Process: Nitration Reactor Fume Recover **(Use 3-01-010-51)	-	8	-	-	-	-	-	-	TON
3-01-010-22	Chemical Manufacturing Continuous Process: Nitration Reactor Acid Recover **(Use 3-01-010-52)	-	3	-	-	-	-	-	-	TON
3-01-010-23	Chemical Manufacturing Continuous Process: Red Water Incinerator ** (Use 3-01-010-53)	1.1	7	-	-	-	0.24	-	-	TON
3-01-010-30	Chemical Manufacturing Open Burning: Waste	1.1	150	56	-	-	-	-	-	TON
3-01-012-02	Chemical Manufacturing Rotary Kiln: Acid Reactor	-	0.07	-	-	-	2.7	-	-	TON
3-01-012-03	Chemical Manufacturing Fluorspar Grinding/Drying	-	0.145	-	-	-	-	-	-	TON
3-01-012-06	Chemical Manufacturing Tail Gas Vent	-	-	-	-	-	45	-	-	TON
3-01-013-01	Chemical Manufacturing Absorber Tail Gas (Pre-1970 Facilities)	-	43	-	-	-	-	-	-	TON
3-01-013-02	Chemical Manufacturing Absorber Tail Gas (Post-1970 Facilities)	-	57	-	-	-	-	-	-	TON
3-01-013-03	Chemical Manufacturing Nitric Acid Concentrators (Pre-1970)	-	10	-	-	-	-	-	-	TON
3-01-013-04	Chemical Manufacturing Nitric Acid Concentrators (Post-1970)	-	10	-	-	-	-	-	-	TON
3-01-014-01	Chemical Manufacturing General Mixing and Handling	30	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-015-01	Chemical Manufacturing Bodying Oil	40	-	-	-	-	-	-	-	TON
3-01-015-02	Chemical Manufacturing Oleoresinous	150	-	-	-	-	-	-	-	TON
3-01-015-03	Chemical Manufacturing Alkyd	160	-	-	-	-	-	-	-	TON
3-01-015-05	Chemical Manufacturing Acrylic	20	-	-	-	-	-	-	-	TON
3-01-018-01	Chemical Manufacturing Polyvinyl Chlorides and Copolymers ** (Use 6-46-3X0-XX)	17	200	-	-	-	0.025	-	-	TON
3-01-018-02	Chemical Manufacturing Polypropylene and Copolymers	0.7	131	-	-	-	-	-	-	TON
3-01-018-05	Chemical Manufacturing Phenolic Resins	0.0000067	-	-	-	-	-	-	-	
3-01-018-09	Chemical Manufacturing Extruder	11	-	-	-	-	-	-	-	TON
3-01-018-10	Chemical Manufacturing Conveying	0.46	-	-	-	-	-	-	-	TON
3-01-018-11	Chemical Manufacturing Storage	0.01	-	-	-	-	-	-	-	TON
3-01-018-14	Chemical Manufacturing Extruder	66	-	-	-	-	-	-	-	TON
3-01-018-17	Chemical Manufacturing General	6.68	-	-	-	-	-	-	-	TON
3-01-018-19	Chemical Manufacturing Solvent Recovery	3.2	-	-	-	-	-	-	-	TON
3-01-018-21	Chemical Manufacturing Extruding/Pelletizing/Conveying/Storage	0.3	-	-	-	-	-	-	-	TON
3-01-018-27	Chemical Manufacturing Polyamide Resins	-	1	-	-	-	-	-	-	TON
3-01-018-32	Chemical Manufacturing Urea-Formaldehyde Resins	14.7	-	-	-	-	-	-	-	TON
3-01-018-37	Chemical Manufacturing Polyester Resins	0.5	-	-	-	-	-	-	-	TON
3-01-018-42	Chemical Manufacturing Melamine Resins	50	-	-	-	-	-	-	-	TON
3-01-018-47	Chemical Manufacturing Epoxy Resins	5.1	-	-	-	-	-	-	-	TON
3-01-018-49	Chemical Manufacturing Acrylonitrile-Butadiene-Styrene (ABS) Resin	60	-	-	-	-	-	-	-	TON
3-01-018-70	Chemical Manufacturing Reactor (Polyether Resins)	50	-	-	-	-	-	-	-	TON
3-01-018-80	Chemical Manufacturing Reactor (Polyurethane)	52	-	-	-	-	-	-	-	TON
3-01-018-92	Chemical Manufacturing Separation Processes	2	-	-	-	-	-	-	-	TON
3-01-018-99	Chemical Manufacturing Others Not Specified	7.8	-	-	-	-	-	-	-	TON
3-01-019-01	Chemical Manufacturing o-Xylene Oxidation: Main Process Stream	-	-	301	-	-	94	-	-	TON
3-01-019-04	Chemical Manufacturing o-Xylene Oxidation: Distillation	2.4	-	-	-	-	-	-	-	TON
3-01-019-05	Chemical Manufacturing Naphthalene Oxidation: Main Process Stream	-	-	100	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-019-07	Chemical Manufacturing Naphthalene Oxidation: Distillation	10	-	-	-	-	-	-	-	TON
3-01-020-01	Chemical Manufacturing Vehicle Cooking: General	120	-	-	-	-	-	-	-	TON
3-01-020-02	Chemical Manufacturing Vehicle Cooking: Oils	40	-	-	-	-	-	-	-	TON
3-01-020-03	Chemical Manufacturing Vehicle Cooking: Oleoresin	150	-	-	-	-	-	-	-	TON
3-01-020-04	Chemical Manufacturing Vehicle Cooking: Alkyds	160	-	-	-	-	-	-	-	TON
3-01-020-05	Chemical Manufacturing Pigment Mixing	6.2	-	-	-	-	-	-	-	TON
3-01-021-05	Chemical Manufacturing Monohydrate Process: Rotary Ore Calciner: Coal-fired	-	1.4	-	-	-	0.01	-	-	TON
3-01-023-01	Chemical Manufacturing Absorber/@ 99.9% Conversion	-	0.004	-	-	-	1.4	-	-	TON
3-01-023-04	Chemical Manufacturing Absorber/@ 99.5% Conversion	-	0.004	-	-	-	7	-	-	TON
3-01-023-06	Chemical Manufacturing Absorber/@ 99.0% Conversion	-	0.004	-	-	-	14	-	-	TON
3-01-023-08	Chemical Manufacturing Absorber/@ 98.0% Conversion	-	0.004	-	-	-	26	-	-	TON
3-01-023-10	Chemical Manufacturing Absorber/@ 97.0% Conversion	-	0.004	-	-	-	40	-	-	TON
3-01-023-12	Chemical Manufacturing Absorber/@ 96.0% Conversion	-	0.004	-	-	-	55	-	-	TON
3-01-023-14	Chemical Manufacturing Absorber/@ 95.0% Conversion	-	0.004	-	-	-	70	-	-	TON
3-01-023-16	Chemical Manufacturing Absorber/@ 94.0% Conversion	-	0.004	-	-	-	82	-	-	TON
3-01-023-18	Chemical Manufacturing Absorber/@ 93.0% Conversion	-	0.004	-	-	-	9.6	-	-	TON
3-01-024-01	Chemical Manufacturing Nylon #6: Staple (Uncontrolled)	4.3	-	-	-	-	-	-	-	TON
3-01-024-02	Chemical Manufacturing Polyesters: Staple	1.2	-	-	-	-	-	-	-	TON
3-01-024-10	Chemical Manufacturing Acrylic: Uncontrolled	80	-	-	-	-	-	-	-	TON
3-01-024-14	Chemical Manufacturing Polyolefin: Melt Spun	74.2	-	-	-	-	-	-	-	TON
3-01-024-16	Chemical Manufacturing Aramid	4.3	-	-	-	-	-	-	-	TON
3-01-024-99	Chemical Manufacturing Other Not Classified	398	-	-	-	-	-	-	-	TON
3-01-025-05	Chemical Manufacturing Cellulose Acetate: Filer Tow	290	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-026-01	Chemical Manufacturing General	5.2	-	-	-	-	-	-	-	TON
3-01-026-09	Chemical Manufacturing Dryers	5.02	-	-	-	-	-	-	-	TON
3-01-026-13	Chemical Manufacturing Monomer Recovery: Absorber Vent	0.52	-	-	-	-	-	-	-	TON
3-01-026-14	Chemical Manufacturing Blending Tanks	0.84	-	-	-	-	-	-	-	TON
3-01-026-16	Chemical Manufacturing Latex: Monomer Removal	16.9	-	-	-	-	-	-	-	TON
3-01-026-17	Chemical Manufacturing Latex: Blending Tank	0.2	-	-	-	-	-	-	-	TON
3-01-027-04	Chemical Manufacturing Neutralizer	-	-	-	-	-	-	36.02	-	TON
3-01-027-07	Chemical Manufacturing Rotary Drum Granulator	-	-	-	-	-	-	59.4	-	TON
3-01-027-08	Chemical Manufacturing Pan Granulator	-	-	-	-	-	-	0.14	-	TON
3-01-027-11	Chemical Manufacturing Neutralizer: High Density	-	-	-	-	-	-	36.02	-	TON
3-01-027-12	Chemical Manufacturing Prilling Tower: High Density	-	-	-	-	-	-	57.2	-	TON
3-01-027-14	Chemical Manufacturing Prilling Cooler: High Density	-	-	-	-	-	-	0.04	-	TON
3-01-027-17	Chemical Manufacturing Evaporator/Concentrator: High Density	-	-	-	-	-	-	33.4	-	TON
3-01-027-21	Chemical Manufacturing Neutralizer: Low Density	-	-	-	-	-	-	36.02	-	TON
3-01-027-22	Chemical Manufacturing Prilling Tower: Low Density	-	-	-	-	-	-	0.26	-	TON
3-01-027-24	Chemical Manufacturing Prilling Cooler: Low Density	-	-	-	-	-	-	0.3	-	TON
3-01-027-25	Chemical Manufacturing Prilling Dryer: Low Density	-	-	-	-	-	-	3.18	-	TON
3-01-027-27	Chemical Manufacturing Evaporator/Concentrator: Low Density	-	-	-	-	-	-	33.4	-	TON
3-01-030-00	Chemical Manufacturing Entire Plant	-	-	-	-	-	-	0.14	-	TON
3-01-030-01	Chemical Manufacturing Dryers and Coolers	0.03	1.7	-	-	-	3.1	-	-	TON
3-01-030-02	Chemical Manufacturing Ammoniator/Granulator	-	-	-	-	-	0.3	-	-	TON
3-01-031-02	Chemical Manufacturing Reactor Vent	30	-	34	-	-	-	-	-	TON
3-01-031-03	Chemical Manufacturing Crystallization, Separation, and Drying Vent	3.8	-	-	-	-	-	-	-	TON
3-01-031-04	Chemical Manufacturing Distillation and Recovery Vent	2.2	-	-	-	-	-	-	-	TON
3-01-031-05	Chemical Manufacturing Product Transfer Vent	3.6	-	4	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-031-80	Chemical Manufacturing Fugitive Emissions	294000	-	-	-	-	-	-	-	EACH
3-01-032-01	Chemical Manufacturing Mod. Claus: 2 Stage w/o Control (92-95% Removal)	3	0.35	-	-	-	278	-	-	TON
3-01-032-02	Chemical Manufacturing Mod. Claus: 3 Stage w/o Control (95-96% Removal)	9.1	0.1	-	-	-	188	-	-	TON
3-01-032-03	Chemical Manufacturing Mod. Claus: 4 Stage w/o Control (96-97% Removal)	-	0.1	-	-	-	145	-	-	TON
3-01-032-04	Chemical Manufacturing Sulfur Removal Process (99.9% Removal)	0.05	0.1	-	-	-	-	-	-	TON
3-01-033-01	Chemical Manufacturing Malathion	0.01	-	-	-	-	-	-	-	GAL
3-01-034-02	Chemical Manufacturing General: Aniline	0.2	-	-	-	-	-	-	-	TON
3-01-035-06	Chemical Manufacturing Lead Oxide: Barton Pot	-	-	-	-	-	-	-	0.44	TON
3-01-035-07	Chemical Manufacturing Lead Oxide: Calciner	-	-	-	-	-	-	-	14	TON
3-01-035-10	Chemical Manufacturing Red Lead	-	-	-	-	-	-	-	0.9	TON
3-01-035-15	Chemical Manufacturing White Lead	-	-	-	-	-	-	-	0.55	TON
3-01-035-20	Chemical Manufacturing Lead Chromate	-	-	-	-	-	-	-	0.13	TON
3-01-039-01	Chemical Manufacturing Air Heater: General	14	-	-	-	-	-	-	-	TON
3-01-040-02	Chemical Manufacturing Solution Concentration (Controlled)	-	-	-	-	-	-	18.5	-	TON
3-01-040-04	Chemical Manufacturing Drum Granulation	0.009	-	-	-	-	-	2.15	-	TON
3-01-040-08	Chemical Manufacturing Non-fluidized Bed Prilling (Agricultural Grade)	-	-	-	-	-	-	0.87	-	TON
3-01-040-10	Chemical Manufacturing Fluidized Bed Prilling (Agricultural Grade)	0.02	-	-	-	-	-	2.91	-	TON
3-01-040-11	Chemical Manufacturing Fluidized Bed Prilling (Feed Grade)	0.004	-	-	-	-	-	4.14	-	TON
3-01-040-12	Chemical Manufacturing Rotary Drum Cooler	-	-	-	-	-	-	0.051	-	TON
3-01-042-01	Chemical Manufacturing Recovery Furnace	-	2.67	-	-	-	-	-	55	TON
3-01-042-04	Chemical Manufacturing Sludge Pits	-	-	-	-	-	-	-	1.2	TON
3-01-091-05	Chemical Manufacturing Methyl Ethyl Ketone	2.4	-	-	-	-	-	-	-	TON
3-01-091-80	Chemical Manufacturing Acetone: Fugitive Emissions	452000	-	-	-	-	-	-	-	EACH
3-01-100-02	Chemical Manufacturing Product Recovery Absorber	174	-	-	-	-	-	-	-	TON
3-01-100-03	Chemical Manufacturing Vacuum System Vent	0.2	-	-	-	-	-	-	-	TON
3-01-100-04	Chemical Manufacturing Briquetting	2.5	-	-	-	-	-	-	-	TON
3-01-100-05	Chemical Manufacturing Secondary Sources: Dehydration Column, Vacuum System	0.2	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-100-80	Chemical Manufacturing Fugitive Emissions	62300	-	-	-	-	-	-	-	EACH
3-01-120-01	Chemical Manufacturing Formaldehyde: Silver Catalyst	13	-	36	-	-	-	-	-	TON
3-01-120-02	Chemical Manufacturing Formaldehyde: Mixed Oxide Catalyst	16	-	-	-	-	-	-	-	TON
3-01-120-07	Chemical Manufacturing Formaldehyde: Fugitive Emissions	35700	-	-	-	-	-	-	-	EACH
3-01-120-11	Chemical Manufacturing Acetaldehyde from Ethylene	2.8	-	-	-	-	-	-	-	TON
3-01-120-12	Chemical Manufacturing Acetaldehyde from Ethanol	0.04	-	5.5	-	-	-	-	-	TON
3-01-120-13	Chemical Manufacturing Acetaldehyde: Off-air Absorber Vent	4.5	-	-	-	-	-	-	-	TON
3-01-120-14	Chemical Manufacturing Acetaldehyde: Off-gas Absorber Vent	5.6	-	-	-	-	-	-	-	TON
3-01-120-17	Chemical Manufacturing Acetaldehyde: Fugitive Emissions	165000	-	-	-	-	-	-	-	EACH
3-01-120-31	Chemical Manufacturing Acrolein: CO2 Stripping Tower	120	-	-	-	-	-	-	-	TON
3-01-120-32	Chemical Manufacturing Acrolein: Aqueous Acrolein Receiver	6	-	-	-	-	-	-	-	TON
3-01-120-33	Chemical Manufacturing Acrolein: Distillation System	15	-	-	-	-	-	-	-	TON
3-01-120-34	Chemical Manufacturing Acrolein: Refrigeration Unit	54	-	-	-	-	-	-	-	TON
3-01-124-01	Chemical Manufacturing General	11.2	-	-	-	-	-	-	-	TON
3-01-124-02	Chemical Manufacturing Butadiene Dryer	2.4	-	-	-	-	-	-	-	TON
3-01-124-03	Chemical Manufacturing Chlorination Reactor	0.47	-	-	-	-	-	-	-	TON
3-01-124-04	Chemical Manufacturing Dichlorobutene Still	7.8	-	-	-	-	-	-	-	TON
3-01-124-05	Chemical Manufacturing Isomerization and 3,4-DCB Recovery Vent	0.3	-	-	-	-	-	-	-	TON
3-01-124-06	Chemical Manufacturing Chloroprene Stripper	0.3	-	-	-	-	-	-	-	TON
3-01-124-07	Chemical Manufacturing Brine Stripper	0.3	-	-	-	-	-	-	-	TON
3-01-125-09	Chemical Manufacturing Ethylene Dichloride: Fugitive Emissions	182000	-	-	-	-	-	-	-	EACH
3-01-125-10	Chemical Manufacturing Chloromethanes: General	12.3	-	-	-	-	-	-	-	TON
3-01-125-11	Chemical Manufacturing Chloromethanes: Recycled Methane Inert-purge	4.2	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-125-12	Chemical Manufacturing Chloromethanes: Drying Bed Regeneration Vent	0.1	-	-	-	-	-	-	-	TON
3-01-125-14	Chemical Manufacturing Chloromethanes: Fugitive Emissions	482000	-	-	-	-	-	-	-	EACH
3-01-125-20	Chemical Manufacturing Perchloroethylene: General	2.7	-	-	-	-	-	-	-	TON
3-01-125-21	Chemical Manufacturing Perchloroethylene: Distillation Vent	0.8	-	-	-	-	-	-	-	TON
3-01-125-24	Chemical Manufacturing Perchloroethylene: Fugitive Emissions	365000	-	-	-	-	-	-	-	EACH
3-01-125-25	Chemical Manufacturing Trichloroethane: General	5.2	-	-	-	-	-	-	-	TON
3-01-125-26	Chemical Manufacturing Trichloroethane: HCl Absorber Vent	0.2	-	-	-	-	-	-	-	TON
3-01-125-28	Chemical Manufacturing Trichloroethane: Distillation Column Vent	0.38	-	-	-	-	-	-	-	TON
3-01-125-30	Chemical Manufacturing Trichloroethylene: General	1.3	-	-	-	-	-	-	-	TON
3-01-125-34	Chemical Manufacturing Trichloroethylene: Fugitive Emissions	365000	-	-	-	-	-	-	-	EACH
3-01-125-40	Chemical Manufacturing Vinyl Chloride: General	6.5	-	-	-	-	-	-	-	TON
3-01-125-42	Chemical Manufacturing Vinyl Chloride: HCl Recovery	0.2	-	-	-	-	-	-	-	TON
3-01-125-43	Chemical Manufacturing Vinyl Chloride: Light-ends Recovery	2	-	-	-	-	-	-	-	TON
3-01-125-44	Chemical Manufacturing Dichloroethane: Drying Column	1	-	-	-	-	-	-	-	TON
3-01-125-45	Chemical Manufacturing Vinyl Chloride Monomer: Drying Column	1	-	-	-	-	-	-	-	TON
3-01-125-50	Chemical Manufacturing Vinyl Chloride: Fugitive Emissions	274000	-	-	-	-	-	-	-	EACH
3-01-125-52	Chemical Manufacturing Vinylidene Chloride: Dehydrochlorination Reactor	12.4	-	-	-	-	-	-	-	TON
3-01-125-53	Chemical Manufacturing Vinylidene Chloride: Distillation Column Vent	1.4	-	-	-	-	-	-	-	TON
3-01-125-55	Chemical Manufacturing Vinylidene Chloride: Fugitive Emissions	19000	-	-	-	-	-	-	-	EACH
3-01-125-56	Chemical Manufacturing Chloromethanes via MH & MCC Processes: Inert-gas Purge Vent	3	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-125-57	Chemical Manufacturing Chloromethanes via MH & MCC Processes: Methylene Chloride Condenser	0.04	-	-	-	-	-	-	-	TON
3-01-125-58	Chemical Manufacturing Chloromethanes via MH & MCC Processes: Chloroform Condenser	0.01	-	-	-	-	-	-	-	TON
3-01-127-01	Chemical Manufacturing General	14.5	-	-	-	-	-	-	-	TON
3-01-127-02	Chemical Manufacturing Distillation Column	12.7	-	-	-	-	-	-	-	TON
3-01-127-20	Chemical Manufacturing Chlorofluorocarbon 12/11	6.2	-	-	-	-	-	-	-	TON
3-01-127-30	Chemical Manufacturing Chlorofluorocarbon 23/22	38	-	-	-	-	-	-	-	TON
3-01-127-40	Chemical Manufacturing Chlorofluorocarbon 113/114	13.2	-	-	-	-	-	-	-	TON
3-01-130-04	Chemical Manufacturing Caprolactum By-product: Rotary Dryer	1.48	-	-	-	-	-	-	-	TON
3-01-130-05	Chemical Manufacturing Caprolactum By-product: Fluid Bed Dryer	1.48	-	-	-	-	-	-	-	TON
3-01-132-01	Chemical Manufacturing Acetic Acid via Methanol	4	0.06	-	-	-	-	-	-	TON
3-01-132-05	Chemical Manufacturing Acetic Acid via Butane	14	0.08	27.1	-	-	-	-	-	TON
3-01-132-10	Chemical Manufacturing Acetic Acid via Acetaldehyde	22	-	-	-	-	-	-	-	TON
3-01-132-21	Chemical Manufacturing General: Acrylic Acid	240	-	-	-	-	-	-	-	TON
3-01-132-22	Chemical Manufacturing Quench Absorber	239	-	-	-	-	-	-	-	TON
3-01-132-23	Chemical Manufacturing Extraction Column	0.29	-	-	-	-	-	-	-	TON
3-01-132-24	Chemical Manufacturing Vacuum System	7.6	-	-	-	-	-	-	-	TON
3-01-133-01	Chemical Manufacturing General	5.5	-	9.9	-	-	-	-	-	TON
3-01-133-02	Chemical Manufacturing Reactor By-product Gas Vent	9	-	14	-	-	-	-	-	TON
3-01-133-03	Chemical Manufacturing Distillation Column Vent	1.4	-	-	-	-	-	-	-	TON
3-01-140-04	Chemical Manufacturing Waste Handling	9.3	13.5	-	-	-	-	-	-	TON
3-01-153-10	Chemical Manufacturing Houdry Process: Total	23	-	-	-	-	-	-	-	TON
3-01-153-11	Chemical Manufacturing Houdry Process: Flue Gas Vent	0.1	-	-	-	-	-	-	-	TON
3-01-153-12	Chemical Manufacturing Houdry Process: Dehydrogenation Reactor	6.6	-	-	-	-	-	-	-	TON
3-01-153-20	Chemical Manufacturing n-Butene Process: Total	23.2	-	-	-	-	-	-	-	TON
3-01-153-21	Chemical Manufacturing n-Butene Process: Flue Gas Vent	0.1	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-153-22	Chemical Manufacturing n-Butene Process: Hydrocarbon Absorber Column	10	-	-	-	-	-	-	-	TON
3-01-156-01	Chemical Manufacturing General	1.1	-	-	-	-	-	-	-	TON
3-01-156-02	Chemical Manufacturing Aluminum Chloride Catalyst Process: Benzene Drying Column	0.04	-	-	-	-	-	-	-	TON
3-01-156-03	Chemical Manufacturing Aluminum Chloride Catalyst Process: Catalyst Mix Tank Scrubber Vent	0.3	-	-	-	-	-	-	-	TON
3-01-156-04	Chemical Manufacturing Aluminum Chloride Catalyst Process: Wash-Decant System Vent	0.02	-	-	-	-	-	-	-	TON
3-01-156-05	Chemical Manufacturing Aluminum Chloride Catalyst Process: Benzene Recovery	0.03	-	-	-	-	-	-	-	TON
3-01-156-06	Chemical Manufacturing Aluminum Chloride Catalyst Process: Cumene Distillation Vent	0.06	-	-	-	-	-	-	-	TON
3-01-156-07	Chemical Manufacturing Aluminum Chloride Catalyst Process: DIPB Stripping Vent	0.002	-	-	-	-	-	-	-	TON
3-01-156-09	Chemical Manufacturing Solid Phosphoric Acid Catalyst Process: Cumene Distillation Sys. Vent	0.06	-	-	-	-	-	-	-	TON
3-01-156-80	Chemical Manufacturing Fugitive Emissions	149000	-	-	-	-	-	-	-	EACH
3-01-157-02	Chemical Manufacturing Blowndown Tank Discharge	0.006	-	-	-	-	-	-	-	TON
3-01-157-03	Chemical Manufacturing Pumps/Valves/Compressors	1.5	-	-	-	-	-	-	-	TON
3-01-157-80	Chemical Manufacturing Fugitive Emissions	240000	-	-	-	-	-	-	-	EACH
3-01-158-01	Chemical Manufacturing General	44.4	-	-	-	-	-	-	-	TON
3-01-158-02	Chemical Manufacturing High Pressure Scrubber Vent	33.8	-	85.2	-	-	-	-	-	TON
3-01-158-03	Chemical Manufacturing Low Pressure Scrubber Vent	5.3	-	19.4	-	-	-	-	-	TON
3-01-158-21	Chemical Manufacturing Hydrogenation Reactor Vent	3	-	-	-	-	-	-	-	TON
3-01-158-22	Chemical Manufacturing Distillation Vent	0.12	-	-	-	-	-	-	-	TON
3-01-158-80	Chemical Manufacturing Fugitive Emissions	378000	-	-	-	-	-	-	-	EACH
3-01-167-02	Chemical Manufacturing Inert-gas Purge Vent	8.8	-	-	-	-	-	-	-	TON
3-01-167-03	Chemical Manufacturing CO2 Purge Vent	0.6	-	-	-	-	-	-	-	TON
3-01-167-04	Chemical Manufacturing Inhibitor Mix Tank Discharge	5.6	-	-	-	-	-	-	-	TON
3-01-167-80	Chemical Manufacturing Fugitive Emissions	360000	-	-	-	-	-	-	-	EACH
3-01-169-80	Chemical Manufacturing Fugitive Emissions	328000	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-174-02	Chemical Manufacturing Air Oxidation Process Reactor: Main Vent	2	-	-	-	-	-	-	-	TON
3-01-174-10	Chemical Manufacturing Oxygen Oxidation Process Reactor: CO2 Purge Vent	1.5	-	-	-	-	-	-	-	TON
3-01-174-11	Chemical Manufacturing Oxygen Oxidation Process Reactor: Argon Purge Vent	0.004	-	-	-	-	-	-	-	TON
3-01-174-21	Chemical Manufacturing Stripper Purge Vent	0.2	-	-	-	-	-	-	-	TON
3-01-174-80	Chemical Manufacturing Fugitive Emissions	168000	-	-	-	-	-	-	-	EACH
3-01-176-01	Chemical Manufacturing General	132	-	-	-	-	-	-	-	TON
3-01-176-11	Chemical Manufacturing CO2 Absorber	0.8	-	-	-	-	-	-	-	TON
3-01-176-12	Chemical Manufacturing Evaporator	0.2	-	-	-	-	-	-	-	TON
3-01-176-13	Chemical Manufacturing Concentrator	0.2	-	-	-	-	-	-	-	TON
3-01-176-14	Chemical Manufacturing Stripping Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-15	Chemical Manufacturing Light-ends Stripping Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-16	Chemical Manufacturing Solvent Stripping Column	0.04	-	-	-	-	-	-	-	TON
3-01-176-17	Chemical Manufacturing Product Distillation Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-18	Chemical Manufacturing Cooling Tower	5.6	-	-	-	-	-	-	-	TON
3-01-176-31	Chemical Manufacturing Light-ends Stripper	30	-	-	-	-	-	-	-	TON
3-01-176-32	Chemical Manufacturing Concentrator	0.3	-	-	-	-	-	-	-	TON
3-01-176-33	Chemical Manufacturing Glycerin Flasher Column	0.3	-	-	-	-	-	-	-	TON
3-01-176-34	Chemical Manufacturing Product Distillation Column	0.3	-	-	-	-	-	-	-	TON
3-01-181-01	Chemical Manufacturing General	19.3	-	-	-	-	-	-	-	TON
3-01-181-02	Chemical Manufacturing Sulfuric Acid Concentrator	10	-	-	-	-	-	-	-	TON
3-01-181-03	Chemical Manufacturing Nitration Reactor	0.05	-	-	-	-	-	-	-	TON
3-01-181-04	Chemical Manufacturing Catalyst Filtration	0.001	-	-	-	-	-	-	-	TON
3-01-181-05	Chemical Manufacturing TDA Vacuum Distillation Vent	0.007	-	-	-	-	-	-	-	TON
3-01-181-06	Chemical Manufacturing Dichlorobenzene Solvent Recovery	3	-	-	-	-	-	-	-	TON
3-01-181-07	Chemical Manufacturing TDI Flash Distillation	3	-	-	-	-	-	-	-	TON
3-01-181-08	Chemical Manufacturing TDI Purification	3	-	-	-	-	-	-	-	TON
3-01-190-02	Chemical Manufacturing Acetone Cyanohydrin Reactor Off-gas	0.08	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-190-03	Chemical Manufacturing Recovery Columns	2.3	-	-	-	-	-	-	-	TON
3-01-190-04	Chemical Manufacturing Acetone Evaporation Vacuum Vent	0.008	-	-	-	-	-	-	-	TON
3-01-190-10	Chemical Manufacturing Hydrolysis Reactor	13.2	-	-	-	-	-	-	-	TON
3-01-190-11	Chemical Manufacturing Distillation Unit	1.9	-	-	-	-	-	-	-	TON
3-01-190-12	Chemical Manufacturing MMA and Light-ends Distillation Unit	16.5	-	-	-	-	-	-	-	TON
3-01-190-13	Chemical Manufacturing Acid Distillation	1.1	-	-	-	-	-	-	-	TON
3-01-190-14	Chemical Manufacturing MMA Purification	15.8	-	-	-	-	-	-	-	TON
3-01-190-80	Chemical Manufacturing Fugitive Emissions	273000	-	-	-	-	-	-	-	EACH
3-01-195-02	Chemical Manufacturing Reactor and Separator Vent	1.9	-	-	-	-	-	-	-	TON
3-01-195-03	Chemical Manufacturing Acid Stripper Vent	0.34	-	-	-	-	-	-	-	TON
3-01-195-04	Chemical Manufacturing Washer and Neutralizer Vent	0.02	-	-	-	-	-	-	-	TON
3-01-195-05	Chemical Manufacturing Nitrobenzene Stripper Vent	0.34	-	-	-	-	-	-	-	TON
3-01-195-80	Chemical Manufacturing Fugitive Emissions	138000	-	-	-	-	-	-	-	EACH
3-01-197-01	Chemical Manufacturing Ethylene: General	-	0.02	0.02	-	-	6	-	-	TON
3-01-197-05	Chemical Manufacturing Propylene: General	1	-	-	-	-	-	-	-	TON
3-01-197-43	Chemical Manufacturing Ethylene: Acid Gas Removal	0.02	-	-	-	-	6	-	-	TON
3-01-197-45	Chemical Manufacturing Ethylene: Compressor Lube Oil Vent	0.02	-	-	-	-	-	-	-	TON
3-01-197-49	Chemical Manufacturing Ethylene: Fugitive Emissions	695000	-	-	-	-	-	-	-	EACH
3-01-202-01	Chemical Manufacturing General	15.4	-	-	-	-	-	-	-	TON
3-01-202-02	Chemical Manufacturing Cumene Oxidation	4.6	-	-	-	-	-	-	-	TON
3-01-202-03	Chemical Manufacturing CHP Concentrator	2.4	-	-	-	-	-	-	-	TON
3-01-202-04	Chemical Manufacturing Light-ends Distillation Vent	0.6	-	-	-	-	-	-	-	TON
3-01-202-05	Chemical Manufacturing Acetone Finishing	1.3	-	-	-	-	-	-	-	TON
3-01-202-06	Chemical Manufacturing Phenol Distillation Column	7.6	-	-	-	-	-	-	-	TON
3-01-202-10	Chemical Manufacturing Oxidate Wash/Separation	0.16	-	-	-	-	-	-	-	TON
3-01-202-11	Chemical Manufacturing CHP Cleavage Vent	0.95	-	-	-	-	-	-	-	TON
3-01-202-80	Chemical Manufacturing Fugitive Emissions	729000	-	-	-	-	-	-	-	EACH
3-01-205-03	Chemical Manufacturing Vent Gas Scrubber Vent	20.5	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-205-04	Chemical Manufacturing Saponification Column Vent	0.09	-	-	-	-	-	-	-	TON
3-01-205-05	Chemical Manufacturing PO Stripping Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-06	Chemical Manufacturing Light-ends Stripping Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-07	Chemical Manufacturing PO Final Distillation Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-08	Chemical Manufacturing DCP Distillation Column Vent	0.0002	-	-	-	-	-	-	-	TON
3-01-205-21	Chemical Manufacturing Oxidation Reactor Scrubber Vent	3.5	-	-	-	-	-	-	-	TON
3-01-205-22	Chemical Manufacturing TBA Stripping Column Vent	0.008	-	-	-	-	-	-	-	TON
3-01-205-24	Chemical Manufacturing PO Stripping Column Vent	0.04	-	-	-	-	-	-	-	TON
3-01-205-25	Chemical Manufacturing Crude TBA Recovery Column Vent	0.03	-	-	-	-	-	-	-	TON
3-01-205-26	Chemical Manufacturing TBA Wash-Decant System Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-27	Chemical Manufacturing Wastewater Stripping Column Vent	4.56	-	-	-	-	-	-	-	TON
3-01-205-28	Chemical Manufacturing Solvent Scrubber Vent	1.3	-	-	-	-	-	-	-	TON
3-01-205-29	Chemical Manufacturing Solvent Recovery Column Vent	0.0009	-	-	-	-	-	-	-	TON
3-01-205-30	Chemical Manufacturing Water Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-31	Chemical Manufacturing Propylene Glycol and Dipropylene Glycol Combined Vent	0.1	-	-	-	-	-	-	-	TON
3-01-205-32	Chemical Manufacturing Flue Gas Vent	0.08	-	-	-	-	-	-	-	TON
3-01-205-41	Chemical Manufacturing Oxidation Reactor Scrubber Vent	3.2	-	-	-	-	-	-	-	TON
3-01-205-42	Chemical Manufacturing Falling Film Evaporator Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-44	Chemical Manufacturing Separation Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-205-45	Chemical Manufacturing Light-ends Stripping Column Vent	0.3	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-205-46	Chemical Manufacturing Propylene Recovery Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-205-47	Chemical Manufacturing Product Wash-Decant System Vent	0.001	-	-	-	-	-	-	-	TON
3-01-205-48	Chemical Manufacturing Mixed Hydrocarbon Wash-Decant System Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-49	Chemical Manufacturing Ethyl Benzene Wash-Decant System Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-50	Chemical Manufacturing Ethyl Benzene Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-51	Chemical Manufacturing Light-hydrocarbon Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-52	Chemical Manufacturing MBA-AP Stripping Column Vent	0.02	-	-	-	-	-	-	-	TON
3-01-205-53	Chemical Manufacturing Dehydration Reactor System Vent	0.002	-	-	-	-	-	-	-	TON
3-01-205-54	Chemical Manufacturing Light-impurities Stripping Column Vent	2.5	-	-	-	-	-	-	-	TON
3-01-205-55	Chemical Manufacturing Styrene Finishing Column Vent	1.7	-	-	-	-	-	-	-	TON
3-01-206-01	Chemical Manufacturing General	-	0.04	-	-	-	-	-	-	TON
3-01-206-80	Chemical Manufacturing Fugitive Emissions	248000	-	-	-	-	-	-	-	EACH
3-01-210-01	Chemical Manufacturing General	11.9	-	-	-	-	-	-	-	TON
3-01-210-02	Chemical Manufacturing Cyclohexanone Purification Vent	6.2	-	-	-	-	-	-	-	TON
3-01-210-05	Chemical Manufacturing Neutralization Reactor Vent	0.08	-	-	-	-	-	-	-	TON
3-01-210-06	Chemical Manufacturing Solvent Separation/Recovery	4	-	-	-	-	-	-	-	TON
3-01-210-07	Chemical Manufacturing Oximation Reactor/Separator	0.05	-	-	-	-	-	-	-	TON
3-01-210-08	Chemical Manufacturing Caprolactum Purification	0.3	-	-	-	-	-	-	-	TON
3-01-210-09	Chemical Manufacturing Ammonium Sulfate Drying ** (Use 3-01-130-04 or 3-01-130-05)	1.2	-	-	-	-	-	-	-	TON
3-01-210-10	Chemical Manufacturing AS:Cool/Screen/Storage**(Use 301130-06&07,301870-25&26,301875-25&26)	0.1	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-211-03	Chemical Manufacturing Hydrogen Fluoride Scrubber Vent	0.022	-	-	-	-	-	-	-	TON
3-01-211-04	Chemical Manufacturing Vacuum Refining	0.2	-	-	-	-	-	-	-	TON
3-01-211-22	Chemical Manufacturing Parafin Drying Column Vent	0.0056	-	-	-	-	-	-	-	TON
3-01-211-23	Chemical Manufacturing HCl Absorber Vent	0.5	-	-	-	-	-	-	-	TON
3-01-211-24	Chemical Manufacturing Atmospheric Wash-Decant Vent	0.025	-	-	-	-	-	-	-	TON
3-01-211-25	Chemical Manufacturing Benzene Stripping Column	0.0074	-	-	-	-	-	-	-	TON
3-01-250-02	Chemical Manufacturing Methanol: Purge Gas Vent	2.2	-	-	-	-	-	-	-	TON
3-01-250-03	Chemical Manufacturing Methanol: Distillation Vent	0.8	-	-	-	-	-	-	-	TON
3-01-250-04	Chemical Manufacturing Methanol: Fugitive Emissions	573000	-	-	-	-	-	-	-	EACH
3-01-250-10	Chemical Manufacturing Ethanol by Fermentation	1.9	-	-	-	-	-	-	-	TON
3-01-250-20	Chemical Manufacturing Alcohols by Oxo Process	-	0.08	22.5	-	-	-	-	-	TON
3-01-251-01	Chemical Manufacturing General	10.3	-	-	-	-	-	-	-	TON
3-01-251-80	Chemical Manufacturing Fugitive Emissions	24000	-	-	-	-	-	-	-	EACH
3-01-252-01	Chemical Manufacturing General	0.16	-	-	-	-	-	-	-	TON
3-01-253-02	Chemical Manufacturing Vacuum System Vent	0.03	-	-	-	-	-	-	-	TON
3-01-253-05	Chemical Manufacturing Catalyst: Methanol Mix Tank	0.02	-	-	-	-	-	-	-	TON
3-01-253-06	Chemical Manufacturing Methanol Recovery Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-253-15	Chemical Manufacturing Catalyst: Ethanol Mix Tank	0.01	-	-	-	-	-	-	-	TON
3-01-253-16	Chemical Manufacturing Ethanol Recovery Column Vent	0.19	-	-	-	-	-	-	-	TON
3-01-253-25	Chemical Manufacturing Catalyst: Butanol Mix Tank	0.002	-	-	-	-	-	-	-	TON
3-01-253-26	Chemical Manufacturing Butanol Recovery Column Vent	0.03	-	-	-	-	-	-	-	TON
3-01-253-30	Chemical Manufacturing Secondary Emissions: Handling and Disposal of Process Waste Streams	0.06	-	-	-	-	-	-	-	TON
3-01-253-80	Chemical Manufacturing Fugitive Emissions	20100	-	-	-	-	-	-	-	EACH
3-01-254-01	Chemical Manufacturing Acetonitrile	497	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-254-05	Chemical Manufacturing General: Acrylonitrile	220	-	-	-	-	-	-	-	TON
3-01-254-06	Chemical Manufacturing Absorber Vent: Normal	200	-	-	-	-	-	-	-	TON
3-01-254-07	Chemical Manufacturing Absorber Vent: Startup	0.5	-	-	-	-	-	-	-	TON
3-01-254-08	Chemical Manufacturing Recovery/Purification Column Vent	20	-	-	-	-	-	-	-	TON
3-01-254-09	Chemical Manufacturing Fugitive Emissions	223000	-	-	-	-	-	-	-	EACH
3-01-254-10	Chemical Manufacturing Via Adipic Acid: General	-	0.3	-	-	-	-	-	-	TON
3-01-254-11	Chemical Manufacturing Ammonia Recovery Still	-	0.3	-	-	-	-	-	-	TON
3-01-254-15	Chemical Manufacturing Via Butadiene: General	51.3	232	-	-	-	-	-	-	TON
3-01-254-16	Chemical Manufacturing Chlorination Reactor	35.8	-	-	-	-	-	-	-	TON
3-01-254-17	Chemical Manufacturing Cyanide Synthesis	-	75.8	-	-	-	-	-	-	TON
3-01-254-18	Chemical Manufacturing Cyanation/Isomerization	15.5	42.4	-	-	-	-	-	-	TON
3-01-258-80	Chemical Manufacturing Aromatics: Fugitive Emissions	379000	-	-	-	-	-	-	-	EACH
3-01-301-01	Chemical Manufacturing Tail Gas Scrubber	1.2	-	-	-	-	-	-	-	TON
3-01-301-06	Chemical Manufacturing Vacuum System Vent	0.9	-	-	-	-	-	-	-	TON
3-01-301-07	Chemical Manufacturing DCB Crystallization	0.03	-	-	-	-	-	-	-	TON
3-01-301-08	Chemical Manufacturing DCB Crystal Handling/Loading	0.04	-	-	-	-	-	-	-	TON
3-01-301-14	Chemical Manufacturing Secondary Emissions: Handling and Disposal of Wastewater	0.06	-	-	-	-	-	-	-	TON
3-01-301-15	Chemical Manufacturing Atmospheric Distillation Vents	0.8	-	-	-	-	-	-	-	TON
3-01-301-80	Chemical Manufacturing Fugitive Emissions	417000	-	-	-	-	-	-	-	EACH
3-01-302-02	Chemical Manufacturing Distillation Vent	0.01	-	-	-	-	-	-	-	TON
3-01-302-03	Chemical Manufacturing Caustic Scrubber	0.3	-	-	-	-	-	-	-	TON
3-01-303-02	Chemical Manufacturing HCl Absorber	0.3	-	-	-	-	-	-	-	TON
3-01-303-03	Chemical Manufacturing Light-ends Distillation	130	-	-	-	-	-	-	-	TON
3-01-303-04	Chemical Manufacturing Allyl Chloride Distillation Column	0.2	-	-	-	-	-	-	-	TON
3-01-303-05	Chemical Manufacturing DCP Distillation Column	2	-	-	-	-	-	-	-	TON
3-01-304-02	Chemical Manufacturing Catalyst Preparation	450	-	-	-	-	-	-	-	TON
3-01-304-03	Chemical Manufacturing Filtration System	6.4	-	-	-	-	-	-	-	TON
3-01-304-04	Chemical Manufacturing Light-ends Stripper	22	-	-	-	-	-	-	-	TON
3-01-304-05	Chemical Manufacturing Distillation System Condenser	23	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-01-900-01	Chemical Manufacturing Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-01-900-02	Chemical Manufacturing Residual Oil: Process Heaters	0.28	50	-	-	-	1.586E2*S	-	-	E3GAL
3-01-900-03	Chemical Manufacturing Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-01-900-04	Chemical Manufacturing Process Gas: Process Heaters	2.8	140	-	-	-	-	-	-	E6FT3
3-01-900-11	Chemical Manufacturing Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-01-900-12	Chemical Manufacturing Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-01-900-13	Chemical Manufacturing Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-01-900-14	Chemical Manufacturing Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-01-900-99	Chemical Manufacturing Specify in Comments Field	-	0.068	0.37	-	-	-	-	-	E6BTU
3-02-002-20	Food and Agriculture Indirect-fired Batch Roaster -Natural Gas (incl combustion emiss)	0.86	-	-	-	-	-	-	-	TON
3-02-002-21	Food and Agriculture Indirect-fired Continuous Roaster -Natural Gas (incl combustion emiss)	1.4	-	1.5	-	-	-	-	-	TON
3-02-009-07	Food and Agriculture Brew Kettle	0.64	-	-	-	-	-	-	-	E3BBL
3-02-009-08	Food and Agriculture Aging Tank: Filling	0.57	-	-	-	-	-	-	-	E3BBL
3-02-009-21	Food and Agriculture Mash Tun	0.054	-	-	-	-	-	-	-	E3BBL
3-02-009-22	Food and Agriculture Cerial Cooker	0.0075	-	-	-	-	-	-	-	E3BBL
3-02-009-23	Food and Agriculture Lauter Tun or Strainmaster	0.0055	-	-	-	-	-	-	-	E3BBL
3-02-009-24	Food and Agriculture Hot Wort Settling Tank	0.075	-	-	-	-	-	-	-	E3BBL
3-02-009-25	Food and Agriculture Wort Cooler	0.022	-	-	-	-	-	-	-	E3BBL
3-02-009-26	Food and Agriculture Trub Vessel	0.25	-	-	-	-	-	-	-	E3BBL
3-02-009-30	Food and Agriculture Brewers Grain Dryer: Natural Gas-fired	0.73	-	-	-	-	-	-	-	TON
3-02-009-32	Food and Agriculture Brewers Grain Dryer: Steam-heated	0.73	-	0.22	-	-	-	-	-	TON
3-02-009-35	Food and Agriculture Fermenter Venting: Closed Fermenter	2	-	-	-	-	-	-	-	E3BBL
3-02-009-39	Food and Agriculture Activated Carbon Regeneration	0.035	-	-	-	-	-	-	-	E3BBL
3-02-009-51	Food and Agriculture Can Filling Line	14	-	-	-	-	-	-	-	E3BBL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-02-009-52	Food and Agriculture Sterilized Can Filling Line	35	-	-	-	-	-	-	-	E3BBL
3-02-009-53	Food and Agriculture Bottle Filling Line	17	-	-	-	-	-	-	-	E3BBL
3-02-009-54	Food and Agriculture Sterilized Bottle Filling Line	40	-	-	-	-	-	-	-	E3BBL
3-02-009-55	Food and Agriculture Keg Filling Line	0.69	-	-	-	-	-	-	-	E3BBL
3-02-009-60	Food and Agriculture Bottle Soaker and Cleaner	0.2	-	-	-	-	-	-	-	E3EACH
3-02-009-61	Food and Agriculture Bottle Crusher	0.48	-	-	-	-	-	-	-	EACH
3-02-009-62	Food and Agriculture Can Crusher with Pneumatic Conveyor	0.088	-	-	-	-	-	-	-	GAL
3-02-010-03	Food and Agriculture Aging** (see 3-02-010-17)	10	-	-	-	-	-	-	-	BBL50GAL
3-02-011-05	Food and Agriculture Wine Fermentation - White Wine	1.8	-	-	-	-	-	-	-	E3GAL
3-02-011-06	Food and Agriculture Wine Fermentation - Red Wine	4.6	-	-	-	-	-	-	-	E3GAL
3-02-011-11	Food and Agriculture Fugitive Emissions: Pomace Screening - Red Wine	0.5	-	-	-	-	-	-	-	E3GAL
3-02-011-12	Food and Agriculture Fugitive Emissions: Pomace Press - Red Wine	0.02	-	-	-	-	-	-	-	E3GAL
3-02-011-21	Food and Agriculture Wine Bottling - White Wine	0.1	-	-	-	-	-	-	-	E3GAL
3-02-012-01	Food and Agriculture Cookers: Fresh Fish Scrap	0.03	-	-	-	-	-	-	-	TON
3-02-012-02	Food and Agriculture Cookers: Stale Fish Scrap	3.5	-	-	-	-	-	-	-	TON
3-02-013-02	Food and Agriculture Batch Smokehouses: Smoking Cycle	44	-	-	53	53	-	-	-	TON
3-02-013-04	Food and Agriculture Continuous Smokehouse: Smoke Zone	17	-	-	140	140	-	-	-	TON
3-02-014-01	Food and Agriculture Combined Operations	252	121	-	-	-	-	-	-	TON
3-02-016-01	Food and Agriculture Pulp Dryer : Coal-fired	0.2	0.06	-	-	-	0.41	-	-	TON
3-02-017-99	Food and Agriculture Other Not Classified	-	0.065	-	-	-	-	-	-	TON
3-02-019-06	Food and Agriculture Corn Oil: General	18.7	-	-	-	-	-	-	-	TON
3-02-019-07	Food and Agriculture Cottonseed Oil: General	17.5	-	-	-	-	-	-	-	TON
3-02-019-09	Food and Agriculture Peanut Oil: General	20.7	-	-	-	-	-	-	-	TON
3-02-019-16	Food and Agriculture Oil Extraction	16.8	-	-	-	-	-	-	-	TON
3-02-019-17	Food and Agriculture Meal Preparation	1.1	-	-	-	-	-	-	-	TON
3-02-019-18	Food and Agriculture Oil Refining	0.46	-	-	-	-	-	-	-	TON
3-02-019-98	Food and Agriculture Soybean Oil Production: Complete Process-Solvent Loss (average)	4.9	-	-	-	-	-	-	-	TON
3-02-033-99	Food and Agriculture Other Not Classified	0.34	-	-	-	-	0.48	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-02-034-04	Food and Agriculture Intermediate Fermentor (F4 Stage)	36	-	-	-	-	-	-	-	TON
3-02-034-05	Food and Agriculture Stock Fermentor (F5 Stage)	5	-	-	-	-	-	-	-	TON
3-02-034-06	Food and Agriculture Pitch Fermentor (F6 Stage)	5	-	-	-	-	-	-	-	TON
3-02-034-07	Food and Agriculture Trade Fermentor (F7 Stage)	5	-	-	-	-	-	-	-	TON
3-02-036-01	Food and Agriculture Continuous Deep Fat Fryer: Potato Chips	0.02	-	-	-	-	-	-	-	TON
3-02-036-02	Food and Agriculture Continuous Deep Fat Fryer: Other Snack Chips	0.085	-	-	-	-	-	-	-	TON
3-02-900-01	Food and Agriculture Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-02-900-02	Food and Agriculture Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-02-900-03	Food and Agriculture Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-03-000-02	Primary Metal Production Drying Oven	-	-	-	-	-	1.4	-	-	TON
3-03-000-03	Primary Metal Production Fine Ore Storage	-	-	-	-	-	3	-	-	TON
3-03-001-01	Primary Metal Production Prebaked Reduction Cell	0.1	0.003	-	-	-	60	-	-	TON
3-03-001-02	Primary Metal Production Horizontal Stud Soderberg Cell	1	-	-	-	-	-	-	-	TON
3-03-001-03	Primary Metal Production Vertical Stud Soderberg Cell	1	-	-	-	-	-	-	-	TON
3-03-001-05	Primary Metal Production Anode Baking Furnace	1	-	-	-	-	-	-	-	TON
3-03-001-07	Primary Metal Production Roof Vents	2.7	-	-	-	-	-	-	-	TON
3-03-002-01	Primary Metal Production Overall Process	0.02	-	-	-	-	-	-	-	TON
3-03-003-02	Primary Metal Production Oven Charging	2.5	0.03	0.6	-	-	0.02	0.02	-	TON
3-03-003-03	Primary Metal Production Oven Pushing	0.2	0.03	0.07	-	-	3.3	0.1	-	TON
3-03-003-04	Primary Metal Production Quenching	-	0.6	-	-	-	-	-	-	TON
3-03-003-06	Primary Metal Production Oven Underfiring	2	0.04	-	-	-	-	-	-	TON
3-03-003-08	Primary Metal Production Oven/Door Leaks	1.5	0.01	0.6	-	-	0.294	0.06	-	TON
3-03-003-13	Primary Metal Production Coal Preheater	0.3	-	-	-	-	-	-	-	TON
3-03-003-14	Primary Metal Production Topside Leaks	1.5	0.01	-	-	-	0.1	-	-	TON
3-03-003-17	Primary Metal Production Combustion Stack: Coke Oven Gas (COG)	-	-	-	-	-	4	-	-	TON
3-03-003-18	Primary Metal Production Combustion Stack: Blast Furnace Gas (BFG)	-	-	-	-	-	1.08	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-03-005-02	Primary Metal Production Multiple Hearth Roaster	-	-	-	-	-	280	-	0.15	TON
3-03-005-03	Primary Metal Production Reverberatory Smelting Furnace after Roaster	-	-	-	-	-	160	-	0.072	TON
3-03-005-04	Primary Metal Production Converter (All Configurations)	-	-	-	-	-	740	-	0.27	TON
3-03-005-06	Primary Metal Production Ore Concentrate Dryer	-	-	-	-	-	1	-	-	TON
3-03-005-09	Primary Metal Production Fluidized Bed Roaster	-	-	-	-	-	360	-	-	TON
3-03-005-10	Primary Metal Production Electric Smelting Furnace	-	-	-	-	-	240	-	-	TON
3-03-005-12	Primary Metal Production Flash Smelting	-	-	-	-	-	820	-	-	TON
3-03-005-13	Primary Metal Production Roasting: Fugitive Emissions	-	-	-	-	-	1	-	-	TON
3-03-005-14	Primary Metal Production Reverberatory Furnace: Fugitive Emissions	-	-	-	-	-	4	-	-	TON
3-03-005-15	Primary Metal Production Converter: Fugitive Emissions	-	-	-	-	-	130	-	-	TON
3-03-005-16	Primary Metal Production Anode Refining Furnace: Fugitive Emissions	-	-	-	-	-	0.1	-	-	TON
3-03-005-17	Primary Metal Production Slag Cleaning Furnace: Fugitive Emissions	-	-	-	-	-	6	-	-	TON
3-03-005-18	Primary Metal Production Converter Slag Return: Fugitive Emissions	-	-	-	-	-	0.1	-	-	TON
3-03-005-22	Primary Metal Production Slag Cleaning Furnace	-	-	-	-	-	6	-	-	TON
3-03-005-23	Primary Metal Production Reverberatory Furnace with Converter	-	-	-	-	-	320	-	-	TON
3-03-005-24	Primary Metal Production AFT MHR+RF/FBR+EF	-	-	-	-	-	600	-	-	TON
3-03-005-25	Primary Metal Production Fluid Bed Roaster with Reverberatory Furnace and Converter	-	-	-	-	-	360	-	-	TON
3-03-005-26	Primary Metal Production Dryer with Electric Furnace and Cleaning Furnace and Convertor	-	-	-	-	-	1	-	-	TON
3-03-005-27	Primary Metal Production Dryer with Flash Furnace and Converter	-	-	-	-	-	1	-	-	TON
3-03-005-29	Primary Metal Production Multiple Hearth Roaster with Reverberatory Furnace and Converter	-	-	-	-	-	280	-	-	TON
3-03-005-30	Primary Metal Production Fluid Bed Roaster with Electric Furnace and Converter	-	-	-	-	-	600	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-03-005-31	Primary Metal Production Reverberatory Furnace After Multiple Hearth Roaster	-	-	-	-	-	180	-	-	TON
3-03-005-32	Primary Metal Production Reverberatory Furnace After Fluid Bed Roaster	-	-	-	-	-	160	-	-	TON
3-03-005-33	Primary Metal Production Electric Furnace After Concentrate Dryer	-	-	-	-	-	240	-	-	TON
3-03-005-34	Primary Metal Production Flash Furnace After Concentrate Dryer	-	-	-	-	-	820	-	-	TON
3-03-006-01	Primary Metal Production 50% FeSi: Electric Smelting Furnace	4.5	0.1	-	-	-	0.07	-	0.29	TON
3-03-006-02	Primary Metal Production 75% FeSi: Electric Smelting Furnace	-	0.1	-	-	-	0.07	-	-	TON
3-03-006-03	Primary Metal Production 90% FeSi: Electric Smelting Furnace	-	0.1	-	-	-	0.07	-	-	TON
3-03-006-04	Primary Metal Production Silicon Metal: Electric Smelting Furnace	71.8	0.1	-	-	-	0.07	-	0.0031	TON
3-03-006-05	Primary Metal Production Silicomanaganese: Electric Smelting Furnace	-	0.1	-	-	-	-	-	0.0057	TON
3-03-006-15	Primary Metal Production Ferromanganese: Blast Furnace	16	-	-	-	-	-	-	-	TON
3-03-006-16	Primary Metal Production Ferrosilicon: Blast Furnace	16	-	-	-	-	-	-	-	TON
3-03-006-17	Primary Metal Production Cast House	2.8	-	-	-	-	-	-	-	TON
3-03-007-01	Primary Metal Production Ferromanganese: Electric Arc Furnace	1.4	0.1	-	-	-	0.01	-	0.11	TON
3-03-007-03	Primary Metal Production Ferrochromium: Electric Arc Furnace	8.2	-	-	-	-	-	-	-	TON
3-03-007-04	Primary Metal Production Ferrochromium Silicon: Electric Arc Furnace	8.2	-	-	-	-	-	-	-	TON
3-03-008-13	Primary Metal Production Windbox	1.4	0.3	44.7	-	-	-	-	-	TON
3-03-008-17	Primary Metal Production Cooler	-	-	-	-	-	0.14	-	-	TON
3-03-008-19	Primary Metal Production Sinter Process (Combined Code includes 15,16,17,18)	0.05	-	-	-	-	-	-	-	TON
3-03-008-22	Primary Metal Production Raw Material Stockpile: Ore, Pellets, Limestone, Coke, Sinter	4.8	-	-	-	-	-	-	-	TON
3-03-008-24	Primary Metal Production Blast Heating Stoves	0.01	-	-	-	-	-	-	-	TON
3-03-008-25	Primary Metal Production Cast House	2.8	0.03	-	-	-	3	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-03-009-01	Primary Metal Production Open Hearth Furnace: Stack	0.17	-	-	-	-	2.8	-	0.14	TON
3-03-009-04	Primary Metal Production Electric Arc Furnace: Alloy Steel (Stack)	0.35	0.2	18	-	-	0.07	-	0.22	TON
3-03-009-06	Primary Metal Production Charging: Electric Arc Furnace	0.001	-	-	-	-	-	-	-	TON
3-03-009-07	Primary Metal Production Tapping: Electric Arc Furnace	0.005	-	-	-	-	-	-	-	TON
3-03-009-08	Primary Metal Production Electric Arc Furnace: Carbon Steel (Stack)	0.35	0.2	18	-	-	0.07	-	0.04	TON
3-03-009-11	Primary Metal Production Soaking Pits	0.59	-	-	-	-	-	-	-	TON
3-03-009-13	Primary Metal Production Basic Oxygen Furnace: Open Hood-Stack	0.001	0.08	138	-	-	-	-	0.2	TON
3-03-009-14	Primary Metal Production Basic Oxygen Furnace: Closed Hood-Stack	0.001	-	138	-	-	-	-	0.2	TON
3-03-009-15	Primary Metal Production Hot Metal (Iron) Transfer to Steelmaking Furnace	0.001	-	-	-	-	-	-	-	TON
3-03-009-16	Primary Metal Production Charging: BOF	0.001	-	-	-	-	-	-	-	TON
3-03-009-17	Primary Metal Production Tapping: BOF	0.005	0.02	-	-	-	-	-	-	TON
3-03-009-18	Primary Metal Production Charging: Open Hearth	0.001	-	-	-	-	-	-	-	TON
3-03-009-19	Primary Metal Production Tapping: Open Hearth	0.002	-	-	-	-	-	-	-	TON
3-03-009-21	Primary Metal Production Teeming (Unleaded Steel)	0.002	-	-	-	-	-	-	-	TON
3-03-009-22	Primary Metal Production Continuous Casting	-	0.05	-	-	-	-	-	-	TON
3-03-009-23	Primary Metal Production Steel Furnace Slag Tapping and Dumping	0.002	-	-	-	-	-	-	-	TON
3-03-009-25	Primary Metal Production Teeming (Leaded Steel)	0.002	-	-	-	-	-	-	-	TON
3-03-009-33	Primary Metal Production Reheat Furnaces	0.01	0.8	-	-	-	-	-	-	TON
3-03-009-34	Primary Metal Production Heat Treating Furnaces: Annealing	-	0.1	-	-	-	-	-	-	TON
3-03-009-36	Primary Metal Production Coating: Tin, Zinc, etc.	0.07	1.9	-	-	-	-	-	-	TON
3-03-010-01	Primary Metal Production Sintering: Single Stream	-	-	-	-	-	275	-	105	TON
3-03-010-02	Primary Metal Production Blast Furnace Operation	-	-	-	-	-	45	-	-	TON
3-03-010-03	Primary Metal Production Dross Reverberatory Furnace	-	-	-	-	-	-	-	2.9	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-03-010-04	Primary Metal Production Ore Crushing	-	-	-	-	-	-	-	0.3	TON
3-03-010-06	Primary Metal Production Sintering: Dual Stream Feed End	-	-	-	-	-	550	-	174	TON
3-03-010-08	Primary Metal Production Slag Fume Furnace	-	-	-	-	-	2.9	-	-	TON
3-03-010-29	Primary Metal Production Sinter Machine (Weak Gas)	-	-	-	-	-	550	-	-	TON
3-03-023-51	Primary Metal Production Induration: Grate/Kiln, Gas-fired, Acid Pellets	0.075	1.5	0.014	-	-	0.29	-	-	TON
3-03-023-52	Primary Metal Production Induration: Grate/Kiln, Gas-fired, Flux Pellets	0.075	-	-	-	-	-	-	-	TON
3-03-023-55	Primary Metal Production Induration: Grate/Kiln, Coke-fired, Acid Pellets	-	-	-	-	-	1.9	-	-	TON
3-03-023-57	Primary Metal Production Induration: Grate/Kiln, Coke & Coal-fired, Acid Pellets	-	-	-	-	-	2.3	-	-	TON
3-03-023-71	Primary Metal Production Induration: Vertical Shaft, Gas-fired, Acid Pellets, Top Gas Stack	0.013	0.2	0.077	-	-	-	-	-	TON
3-03-023-72	Primary Metal Production Induration: Vertical Shaft, Gas-fired, Flux Pellets, Top Gas Stack	0.013	-	-	-	-	-	-	-	TON
3-03-023-73	Primary Metal Production Induration: Vertical Shaft, Gas-fired, Acid Pellets, Bottom Gas Stack	0.046	-	-	-	-	-	-	-	TON
3-03-023-74	Primary Metal Production Induration: Vertical Shaft, Gas-fired, Flux Pellets, Bottom Gas Stack	0.046	-	-	-	-	-	-	-	TON
3-03-023-81	Primary Metal Production Induration: Straight Grate, Gas-fired, Acid Pellets	-	-	0.039	-	-	-	-	-	TON
3-03-023-82	Primary Metal Production Induration: Straight Grate, Gas-fired, Flux Pellets	-	2.5	-	-	-	-	-	-	TON
3-03-023-87	Primary Metal Production Induration: Straight Grate, Coke & Gas-fired, Acid Pellets	-	0.44	0.15	-	-	-	-	-	TON
3-03-024-11	Primary Metal Production Ore Drying	0.004	1.6	-	-	-	-	-	-	TON
3-03-030-03	Primary Metal Production Sinter Strand	-	-	-	-	-	0.64	-	-	TON
3-03-030-05	Primary Metal Production Vertical Retort/Electrothermal Furnace	-	-	-	-	-	1.13	-	-	TON
3-03-030-07	Primary Metal Production Flash Roaster	-	-	-	-	-	404	-	-	TON
3-03-030-08	Primary Metal Production Fluid Bed Roaster	-	-	-	-	-	224	-	-	TON
3-03-030-12	Primary Metal Production Raw Material Unloading	-	-	-	-	-	-	-	0.13	TON
3-03-031-01	Primary Metal Production Lead Ore w/ 5.1% Lead Content	-	-	-	-	-	-	-	0.3	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-03-031-02	Primary Metal Production Zinc Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-03	Primary Metal Production Copper Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-04	Primary Metal Production Lead-Zinc Ore w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON
3-03-031-05	Primary Metal Production Copper-Lead Ore w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON
3-03-031-06	Primary Metal Production Copper-Zinc Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-07	Primary Metal Production Copper-Lead-Zinc w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON
3-03-900-01	Primary Metal Production Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-03-900-02	Primary Metal Production Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-03-900-03	Primary Metal Production Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-03-900-04	Primary Metal Production Process Gas: Process Heaters	2.8	-	-	-	-	-	-	-	E6FT3
3-03-900-11	Primary Metal Production Distillate Oil (No. 2): Incinerators	0.34	-	-	-	-	-	-	-	E3GAL
3-03-900-12	Primary Metal Production Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-03-900-13	Primary Metal Production Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-14	Primary Metal Production Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-23	Primary Metal Production Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-24	Primary Metal Production Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-04-001-01	Secondary Metal Production Sweating Furnace	2.4	0.6	-	-	-	0.02	-	-	TON
3-04-001-02	Secondary Metal Production Smelting Furnace/Crucible	2.5	1.7	-	-	-	2.5	-	-	TON
3-04-001-03	Secondary Metal Production Smelting Furnace/Reverberatory	0.2	0.76	-	-	-	0.9	-	-	TON
3-04-001-09	Secondary Metal Production Burning/Drying	-	0.9	-	-	-	2.9	-	-	TON
3-04-001-11	Secondary Metal Production Foil Converting	2.4	-	-	-	-	-	-	-	TON
3-04-001-14	Secondary Metal Production Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-04-001-20	Secondary Metal Production Can Manufacture	-	0.7	-	-	-	-	-	-	TON
3-04-002-07	Secondary Metal Production Scrap Dryer (Rotary)	-	18	-	-	-	1.5	-	-	TON
3-04-002-08	Secondary Metal Production Wire Burning: Incinerator	0.6	1.7	-	-	-	12.8	-	-	TON
3-04-002-09	Secondary Metal Production Sweating Furnace	0.1296	-	-	-	-	-	-	-	TON
3-04-002-10	Secondary Metal Production Charge with Scrap Copper: Cupolas	0.18	-	-	-	-	-	-	-	TON
3-04-002-11	Secondary Metal Production Charge with Insulated Copper Wire: Cupolas	0.6	-	-	-	-	-	-	-	TON
3-04-002-12	Secondary Metal Production Charge with Scrap Copper And Brass: Cupolas	0.18	-	-	-	-	-	-	-	TON
3-04-002-14	Secondary Metal Production Charge with Copper: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-002-15	Secondary Metal Production Charge with Brass and Bronze: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-002-17	Secondary Metal Production Charge with Brass and Bronze: Rotary Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-002-19	Secondary Metal Production Charge with Brass and Bronze: Crucible and Pot Furnace	-	-	-	-	-	0.5	-	-	TON
3-04-003-01	Secondary Metal Production Cupola	0.18	0.1	145	-	-	1.2	-	1.1	TON
3-04-003-02	Secondary Metal Production Reverberatory Furnace	0.15	5.8	-	-	-	180	-	0.14	TON
3-04-003-03	Secondary Metal Production Electric Induction Furnace	-	-	-	-	-	-	-	0.1	TON
3-04-003-04	Secondary Metal Production Electric Arc Furnace	0.3	0.6	37	-	-	0.24	-	-	TON
3-04-003-05	Secondary Metal Production Annealing Operation	0.1	1	-	-	-	-	-	-	TON
3-04-003-10	Secondary Metal Production Inoculation	0.005	-	-	-	-	-	-	-	TON
3-04-003-20	Secondary Metal Production Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON
3-04-003-31	Secondary Metal Production Casting Shakeout	1.2	-	-	-	-	-	-	-	TON
3-04-003-32	Secondary Metal Production Casting Knock Out	1.2	-	-	-	-	-	-	-	TON
3-04-003-33	Secondary Metal Production Shakeout Machine	1.2	-	-	-	-	-	-	-	TON
3-04-003-51	Secondary Metal Production Core Ovens	-	0.5	-	-	-	0.038	-	-	TON
3-04-003-53	Secondary Metal Production Core Ovens	-	0.5	-	-	-	0.32	-	-	TON
3-04-003-54	Secondary Metal Production Core Ovens	-	0.5	-	-	-	-	-	-	GAL
3-04-003-70	Secondary Metal Production Shell Core Machine	-	0.5	-	-	-	0.32	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-04-003-71	Secondary Metal Production Core Machines/Other	-	0.5	-	-	-	-	-	-	TON
3-04-003-98	Secondary Metal Production Other Not Classified	-	-	-	-	-	0.063	-	-	TON
3-04-004-01	Secondary Metal Production Pot Furnace	-	-	-	-	-	-	-	0.2	TON
3-04-004-02	Secondary Metal Production Reverberatory Furnace	-	0.3	-	-	-	80	-	65	TON
3-04-004-03	Secondary Metal Production Blast Furnace (Cupola)	-	0.1	18	-	-	53	-	104	TON
3-04-004-04	Secondary Metal Production Rotary Sweating Furnace	-	-	-	-	-	-	-	16	TON
3-04-004-05	Secondary Metal Production Reverberatory Sweating Furnace	-	-	-	-	-	-	-	11.73	TON
3-04-004-06	Secondary Metal Production Pot Furnace Heater: Distillate Oil	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-04-004-07	Secondary Metal Production Pot Furnace Heater: Natural Gas	2.8	100	-	-	-	0.6	-	-	E6FT3
3-04-004-08	Secondary Metal Production Barton Process Reactor (Oxidation Kettle)	-	-	-	-	-	-	-	0.44	TON
3-04-004-09	Secondary Metal Production Casting	-	-	-	-	-	-	-	0.01	TON
3-04-004-12	Secondary Metal Production Sweating Furnace: Fugitive Emissions	-	-	-	-	-	-	-	1.8	TON
3-04-004-13	Secondary Metal Production Smelting Furnace: Fugitive Emissions	-	-	-	-	-	-	-	0.6	TON
3-04-004-14	Secondary Metal Production Kettle Refining: Fugitive Emissions	-	-	-	-	-	-	-	0.0006	TON
3-04-004-25	Secondary Metal Production Casting: Fugitive Emissions	-	-	-	-	-	-	-	0.0007	TON
3-04-004-26	Secondary Metal Production Kettle Refining	-	-	-	-	-	-	-	0.01	TON
3-04-005-01	Secondary Metal Production Overall Process **	-	-	-	-	-	-	-	1.18	TON
3-04-005-02	Secondary Metal Production Casting Furnace **	-	-	-	-	-	-	-	0.059	TON
3-04-005-03	Secondary Metal Production Paste Mixer **	-	-	-	-	-	-	-	0.192	TON
3-04-005-04	Secondary Metal Production Three Process Operation **	-	-	-	-	-	-	-	0.815	TON
3-04-005-05	Secondary Metal Production Overall Process	-	-	-	-	-	-	-	17.7	E3EACH
3-04-005-06	Secondary Metal Production Grid Casting	-	-	-	-	-	-	-	0.9	E3EACH
3-04-005-07	Secondary Metal Production Paste Mixing	-	-	-	-	-	-	-	2.49	E3EACH
3-04-005-08	Secondary Metal Production Lead Oxide Mill (Baghouse Outlet)	-	-	-	-	-	-	-	0.11	E3EACH

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-04-005-09	Secondary Metal Production Three Process Operation	-	-	-	-	-	-	-	14.6	E3EACH
3-04-005-10	Secondary Metal Production Lead Reclaiming Furnace	-	-	-	-	-	-	-	1.38	E3EACH
3-04-005-11	Secondary Metal Production Small Parts Casting	-	-	-	-	-	-	-	0.1	E3EACH
3-04-006-01	Secondary Metal Production Pot Furnace	2.4	2.5	-	-	-	-	-	-	TON
3-04-007-01	Secondary Metal Production Electric Arc Furnace	0.35	0.2	-	-	-	0.24	-	-	TON
3-04-007-02	Secondary Metal Production Open Hearth Furnace	0.17	0.01	-	-	-	-	-	-	TON
3-04-007-03	Secondary Metal Production Open Hearth Furnace with Oxygen Lance	0.17	-	-	-	-	-	-	-	TON
3-04-007-04	Secondary Metal Production Heat Treating Furnace	0.6	80.7	-	-	-	277	-	-	TON
3-04-007-07	Secondary Metal Production Core Ovens	-	0.05	-	-	-	0.32	-	-	TON
3-04-007-08	Secondary Metal Production Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON
3-04-007-09	Secondary Metal Production Casting Shakeout	1.2	2.4	-	-	-	-	-	-	TON
3-04-007-10	Secondary Metal Production Casting Knock Out	1.2	-	-	-	-	-	-	-	TON
3-04-007-14	Secondary Metal Production Shakeout Machine	1.2	-	-	-	-	-	-	-	TON
3-04-007-15	Secondary Metal Production Finishing	1.1	-	-	-	-	47.7	-	-	TON
3-04-007-17	Secondary Metal Production Core Ovens	-	0.5	-	-	-	-	-	-	TON
3-04-007-18	Secondary Metal Production Core Ovens	-	0.5	-	-	-	-	-	-	GAL
3-04-007-30	Secondary Metal Production Shell Core Machine	-	0.5	-	-	-	-	-	-	TON
3-04-007-31	Secondary Metal Production Core Machines/Other	-	0.5	-	-	-	-	-	-	TON
3-04-008-02	Secondary Metal Production Horizontal Muffle Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-03	Secondary Metal Production Pot Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-06	Secondary Metal Production Calcining Kiln	-	-	-	-	-	18.3	-	-	TON
3-04-008-09	Secondary Metal Production Rotary Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-10	Secondary Metal Production Muffle Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-11	Secondary Metal Production Electric Resistance Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-24	Secondary Metal Production Kettle-Sweat Furnace: General Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-28	Secondary Metal Production Reverberatory Sweat Furnace: General Metallic Scrap	2.4	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-04-008-34	Secondary Metal Production Kettle-Sweat Furnace: Residual Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-38	Secondary Metal Production Reverberatory Sweat Furnace: Residual Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-41	Secondary Metal Production Scrap Melting: Crucible	2.5	-	-	-	-	-	-	-	TON
3-04-008-42	Secondary Metal Production Scrap Melting: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-008-43	Secondary Metal Production Scrap Melting: Electric Induction Furnace	0.18	-	-	-	-	-	-	-	TON
3-04-008-54	Secondary Metal Production Retort Distillation/Oxidation	-	-	-	-	-	21	-	-	TON
3-04-008-55	Secondary Metal Production Muffle Distillation/Oxidation	-	-	-	-	-	40.2	-	-	TON
3-04-008-61	Secondary Metal Production Reverberatory Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-62	Secondary Metal Production Rotary Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-63	Secondary Metal Production Muffle Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-64	Secondary Metal Production Kettle (Pot) Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-65	Secondary Metal Production Electric Resistance Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-67	Secondary Metal Production Kettle (Pot) Melting Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-68	Secondary Metal Production Crucible Melting Furnace	2.5	-	-	-	-	-	-	-	TON
3-04-008-69	Secondary Metal Production Reverberatory Melting Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-008-70	Secondary Metal Production Electric Induction Melting Furnace	0.18	-	-	-	-	-	-	-	TON
3-04-009-01	Secondary Metal Production Annealing	0.1	-	-	-	-	-	-	-	TON
3-04-010-07	Secondary Metal Production Electric Arc Furnace with Carbon Electrode	0.1	0.003	-	-	-	60	-	-	TON
3-04-010-08	Secondary Metal Production Electric Arc Furnace	0.18	0.32	-	-	-	0.24	-	-	TON
3-04-020-01	Secondary Metal Production Calcination	0.06	-	-	-	-	-	-	-	TON
3-04-020-04	Secondary Metal Production Bake Furnaces	1	-	-	-	-	1.6	-	-	TON
3-04-022-01	Secondary Metal Production Furnace: General	0.1	4	-	-	-	-	-	-	TON
3-04-022-10	Secondary Metal Production Quench Bath	280	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-04-040-01	Secondary Metal Production General	-	-	-	-	-	-	-	0.5	TON
3-04-900-01	Secondary Metal Production Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-04-900-02	Secondary Metal Production Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-04-900-03	Secondary Metal Production Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-04-900-04	Secondary Metal Production Process Gas: Process Heaters	2.8	140	-	-	-	9.5E2*S	-	-	E6FT3
3-04-900-11	Secondary Metal Production Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-04-900-12	Secondary Metal Production Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-04-900-13	Secondary Metal Production Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-14	Secondary Metal Production Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-23	Secondary Metal Production Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-24	Secondary Metal Production Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-05-001-01	Mineral Products Asphalt Blowing: Saturant (Use 3-05-050-10 for MACT)	1.46	-	0.27	-	-	-	-	-	TON
3-05-001-02	Mineral Products Asphalt Blowing: Coating (Use 3-05-050-10 for MACT)	1.86	-	0.27	-	-	-	-	-	TON
3-05-001-03	Mineral Products Felt Saturation: Dipping Only	0.02	-	0.02	-	-	-	-	-	TON
3-05-001-04	Mineral Products Felt Saturation: Dipping/Spraying	0.03	-	0.25	-	-	-	-	-	TON
3-05-001-05	Mineral Products General **	0.48	-	2.9	-	-	-	-	-	TON
3-05-001-10	Mineral Products Blowing (Use 3-05-050-01 for MACT)	-	-	0.27	-	-	-	-	-	TON
3-05-001-11	Mineral Products Dipping Only	0.02	-	-	-	-	-	-	-	TON
3-05-001-12	Mineral Products Spraying Only	0.01	-	-	-	-	-	-	-	TON
3-05-001-13	Mineral Products Dipping/Spraying	0.03	-	-	-	-	-	-	-	TON
3-05-001-16	Mineral Products Shingle Saturation: Dip Saturator, Drying-in Drum, Hot Looper & Coater	0.091	-	-	-	-	-	-	-	TON
3-05-001-17	Mineral Products Shingle Saturation: Dip Saturator, Drying-in Drum and Coater	-	-	0.0019	-	-	-	-	-	TON
3-05-001-19	Mineral Products Shingle Sat'ion:Spray/Dip Satur,Drying-in Drm,Hot Loopr,Coatr & Str Tk	0.26	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-05-002-02	Mineral Products Batch Mix Plant: Hot Elevs, Screens, Bins&Mixer (also see -45 thru -47	-	0.03	-	-	-	0.09	-	-	TON
3-05-002-05	Mineral Products Drum Dryer: Drum Mix Plant (see 3-05-002-55 thru -63 for subtypes)	-	-	-	6.5	-	-	-	-	TON
3-05-002-06	Mineral Products Asphalt Heater: Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
3-05-002-07	Mineral Products Asphalt Heater: Residual Oil	0.28	55	5	-	-	159*S	-	-	E3GAL
3-05-002-08	Mineral Products Asphalt Heater: Distillate Oil	0.2	20	5	-	-	144*S	-	-	E3GAL
3-05-002-09	Mineral Products Asphalt Heater: LPG	0.47	8.8	1.8	-	-	86.5*S	-	-	E3GAL
3-05-002-13	Mineral Products Storage Silo	0.012	-	0.00118	-	-	-	-	-	TON
3-05-002-14	Mineral Products Truck Load-out	0.0039	-	0.0013	-	-	-	-	-	TON
3-05-002-45	Mineral Products Batch Mix Plant: Hot Elevators, Screens, Bins, Mixer & NG Rot Dryer	0.0082	0.025	0.4	4.5	-	0.0046	-	-	TON
3-05-002-46	Mineral Products Batch Mix Plant: Hot Elevators, Screens, Bins, Mixer& #2 Oil Rot Dryer	0.0082	0.12	0.4	4.5	-	0.088	-	-	TON
3-05-002-47	Mineral Products Batch Mix Plant: Hot Elevs, Scrns, Bins, Mixer& Waste/Drain/#6 Oil Rot	0.036	0.12	0.4	4.5	-	0.088	-	-	TON
3-05-002-55	Mineral Products Drum Mix Plant: Rotary Drum Dryer / Mixer, Natural Gas-Fired	0.032	0.026	0.13	6.5	-	0.0034	-	-	TON
3-05-002-56	Mineral Products Drum Mix Plant: Rotary Drum Dryer / Mixer, Natural Gas, Parallel Flow	0.032	0.026	0.13	6.5	-	0.0034	-	-	TON
3-05-002-57	Mineral Products Drum Mix Plant: Rotary Drum Dryer / Mixer, Natural Gas, Counterflow	0.032	0.026	0.13	6.5	-	0.0034	-	-	TON
3-05-002-58	Mineral Products Drum Mix Plant: Rotary Drum Dryer / Mixer, #2 Oil-Fired	0.032	0.055	0.13	6.5	-	0.011	-	0.00054	TON
3-05-002-59	Mineral Products Drum Mix Plant: Rotary Drum Dryer / Mixer, #2 Oil-Fired, Parallel Flow	0.032	0.055	0.13	6.5	-	0.011	-	0.00054	TON
3-05-002-60	Mineral Products Drum Mix Plant: Rotary Drum Dryer / Mixer, #2 Oil-Fired, Counterflow	0.032	0.055	0.13	6.5	-	0.011	-	0.00054	TON
3-05-002-61	Mineral Products Drum Mix Plant: Rotary Drum Dryer/Mixer, Waste/Drain/#6 Oil-Fired	0.032	0.055	0.13	6.5	-	0.058	-	-	TON
3-05-002-62	Mineral Products Drum Mix Pl: Rotary Drum Dryer/Mixer, Waste/Drain/#6 Oil, Parallel Flo	0.032	0.055	0.13	6.5	-	0.058	-	-	TON
3-05-002-63	Mineral Products Drum Mix Pl: Rotary Drum Dryer/Mixer, Waste/Drain/#6 Oil, Counterflow	0.032	0.055	0.13	6.5	-	0.058	-	-	TON
3-05-002-70	Mineral Products Yard Emissions: Emissions from asphalt in truck beds	0.001	-	0.00035	-	-	-	-	-	TON
3-05-002-98	Mineral Products Other Not Classified	-	-	-	-	-	0.19	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-05-003-02	Mineral Products Raw Material Grinding & Screening	-	-	-	0.53	-	-	-	-	TON
3-05-003-04	Mineral Products Curing **	0.03	0.29	0.07	-	-	0.02	-	-	TON
3-05-003-10	Mineral Products Curing and Firing: Sawdust Fired Tunnel Kilns	0.024	0.37	1.6	0.85	0.75	0.67	-	0.00015	TON
3-05-003-11	Mineral Products Curing and Firing: Gas-fired Tunnel Kilns	0.024	0.35	1.2	0.87	-	0.67	-	0.00015	TON
3-05-003-12	Mineral Products Curing and Firing: Oil-fired Tunnel Kilns	0.007	1.05	0.12	-	-	3.95E0*S	-	-	TON
3-05-003-13	Mineral Products Curing and Firing: Coal-fired Tunnel Kilns	0.024	0.51	0.8	1.4	0.87	1.2	-	0.00015	TON
3-05-003-14	Mineral Products Curing and Firing: Gas-fired Periodic Kilns	0.01	0.5	0.15	-	-	-	-	-	TON
3-05-003-15	Mineral Products Curing and Firing: Oil-fired Periodic Kilns	0.01	1.62	0.19	-	-	5.9E0*S	-	-	TON
3-05-003-16	Mineral Products Curing and Firing: Coal-fired Periodic Kilns	0.02	2.35	2.39	-	-	1.213E1*S	-	-	TON
3-05-003-22	Mineral Products Firing: Natural Gas-fired Tunnel Kiln Firing High-Sulfur Material	-	0.35	1.2	-	-	5.1	-	-	TON
3-05-003-50	Mineral Products Brick Dryer: Heated With Waste Heat From Kiln Cooling Zone	0.03	-	-	-	-	-	-	-	TON
3-05-003-51	Mineral Products Brick Dryer: Heated With Waste Heat And Supplemental Gas Burners	0.03	0.098	0.31	-	-	-	-	-	TON
3-05-003-61	Mineral Products Sawdust Dryer: Heated With Exhaust From Sawdust-fired Kiln	0.18	-	-	0.31	-	-	-	0.00012	TON
3-05-004-01	Mineral Products Electric Furnace: Hoods and Main Stack	-	-	-	-	-	3	-	-	TON
3-05-004-02	Mineral Products Coke Dryer	-	0.2	-	-	-	3	-	-	TON
3-05-005-04	Mineral Products Curing Oven	1	0.16	-	-	-	-	-	-	TON
3-05-006-06	Mineral Products Kilns	0.028	6	0.21	-	-	10	-	0.12	TON
3-05-006-13	Mineral Products Raw Material Grinding and Drying	-	-	-	-	-	-	-	0.04	TON
3-05-006-17	Mineral Products Clinker Grinding	-	-	-	-	-	-	-	0.04	TON
3-05-006-22	Mineral Products Preheater Kiln	0.18	4.8	0.98	-	-	0.55	-	-	TON
3-05-006-23	Mineral Products Preheater/Precalciner Kiln	0.12	4.2	3.7	-	-	1.1	-	-	TON
3-05-007-06	Mineral Products Kilns	0.028	7.4	0.12	-	-	8.2	-	0.1	TON
3-05-007-17	Mineral Products Clinker Grinding	-	-	-	-	-	-	-	0.02	TON
3-05-008-45	Mineral Products Ceramic Glaze Spray Booth	-	-	-	-	-	-	-	3	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-05-008-50	Mineral Products Firing - Natural Gas-fired Kiln	0.43	0.54	3.3	-	-	4.4E1*S	-	-	TON
3-05-010-01	Mineral Products Fluidized Bed	0.098	0.16	-	-	-	1.4	-	-	TON
3-05-010-02	Mineral Products Flash or Suspension	-	-	-	-	-	0.52	-	-	TON
3-05-011-07	Mineral Products Cement Unloading to Elevated Storage Silo	-	-	-	-	-	-	-	0.000000736	TON
3-05-011-09	Mineral Products Mixer Loading of Cement/Sand/Aggregate	-	-	-	-	-	-	-	0.000000382	TON
3-05-011-10	Mineral Products Loading of Transit Mix Truck	-	-	-	-	-	-	-	0.00000362	TON
3-05-012-01	Mineral Products Regenerative Furnace (Wool-type Fiber)	0.2	5	0.25	-	-	10	-	-	TON
3-05-012-02	Mineral Products Recuperative Furnace (Wool-type Fiber)	0.2	1.7	0.25	-	-	10	-	-	TON
3-05-012-03	Mineral Products Electric Furnace (Wool-type Fiber)	0.2	0.27	0.05	-	-	0.04	-	-	TON
3-05-012-07	Mineral Products Unit Melter Furnace (Wool-type Fiber)	-	0.3	0.25	-	-	0.6	-	-	TON
3-05-012-08	Mineral Products Forming: Flame Attenuation (Wool-type Fiber)	0.3	-	-	-	-	-	-	-	TON
3-05-012-09	Mineral Products Curing: Flame Attenuation (Wool-type Fiber)	7	2	3.5	-	-	-	-	-	TON
3-05-012-11	Mineral Products Regenerative Furnace (Textile-type Fiber)	0.2	20	1	-	-	30	-	-	TON
3-05-012-12	Mineral Products Recuperative Furnace (Textile-type Fiber)	0.2	20	0.5	-	-	3	-	-	TON
3-05-012-13	Mineral Products Unit Melter Furnace (Textile-type Fiber)	-	20	0.9	-	-	-	-	-	TON
3-05-012-15	Mineral Products Curing Oven (Textile-type Fiber)	-	2.6	1.5	-	-	-	-	-	TON
3-05-013-05	Mineral Products Rotary Smelting Furnace	-	16	4.8	-	-	-	-	-	TON
3-05-013-06	Mineral Products Continuous Smelting Furnace	-	16	4.8	-	-	-	-	-	TON
3-05-014-02	Mineral Products Container Glass: Melting Furnace	0.2	6.2	0.2	-	-	3.4	-	-	TON
3-05-014-03	Mineral Products Flat Glass: Melting Furnace	0.1	8	0.1	-	-	3	-	-	TON
3-05-014-04	Mineral Products Pressed and Blown Glass: Melting Furnace	0.3	8.5	0.2	-	-	5.6	-	-	TON
3-05-014-06	Mineral Products Container Glass: Forming/Finishing	8.7	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-05-014-08	Mineral Products Pressed and Blown Glass: Forming/Finishing	9	-	-	-	-	-	-	-	TON
3-05-014-14	Mineral Products Ground Cullet Beading Furnace	0.3	8.5	-	-	-	5.6	-	-	TON
3-05-016-03	Mineral Products Calcining: Vertical Kiln	0.02	2.8	-	-	-	8.2	-	-	TON
3-05-016-04	Mineral Products Calcining: Rotary Kiln ** (See SCC Codes 3-05-016-18,-19,-20,-21)	0.06	2.8	2	-	-	6.71	-	-	TON
3-05-016-05	Mineral Products Calcining: Gas-fired Calcimatic Kiln	0.02	0.15	-	-	-	-	-	-	TON
3-05-016-06	Mineral Products Fluidized Bed Kiln	0.02	-	-	-	-	-	-	-	TON
3-05-016-18	Mineral Products Calcining: Coal-fired Rotary Kiln	-	3.1	1.5	-	-	5.4	-	-	TON
3-05-016-19	Mineral Products Calcining: Gas-fired Rotary Kiln	-	3.5	2.2	-	-	-	-	-	TON
3-05-017-01	Mineral Products Cupola	-	1.6	250	-	-	8	-	-	TON
3-05-017-03	Mineral Products Blow Chamber	0.9	-	-	-	-	0.087	-	-	TON
3-05-017-04	Mineral Products Curing Oven	1	0.16	-	-	-	1.2	-	-	TON
3-05-017-05	Mineral Products Cooler	0.04	-	-	-	-	0.068	-	-	TON
3-05-019-01	Mineral Products Drying	-	-	0.34	-	-	-	-	-	TON
3-05-020-02	Mineral Products Secondary Crushing/Screening	-	-	-	0.0087	-	-	-	-	TON
3-05-020-03	Mineral Products Tertiary Crushing/Screening	-	-	-	0.0024	-	-	-	-	TON
3-05-020-05	Mineral Products Fines Mill	-	-	-	0.015	-	-	-	-	TON
3-05-020-06	Mineral Products Miscellaneous Operations: Screen/Convey/Handling	-	-	-	0.0011	0.000013	-	-	-	TON
3-05-020-10	Mineral Products Drilling	-	-	-	0.00008	-	-	-	-	TON
3-05-020-21	Mineral Products Fines Screening	-	-	-	0.072	-	-	-	-	TON
3-05-020-31	Mineral Products Truck Unloading	-	-	-	0.000016	-	-	-	-	TON
3-05-020-32	Mineral Products Truck Loading: Conveyor	-	-	-	0.0001	-	-	-	-	TON
3-05-027-20	Mineral Products Sand Drying: Gas- or Oil-fired Rotary or Fluidized Bed Dryer	-	0.031	-	-	-	-	-	-	TON
3-05-029-10	Mineral Products Rotary Kiln	-	-	0.59	-	-	5.6	-	-	TON
3-05-033-01	Mineral Products General	-	0.08	-	-	-	0.47	-	-	TON
3-05-310-01	Mineral Products Fluidized Bed	98	160	-	-	-	1400	-	-	E3TON
3-05-310-02	Mineral Products Flash or Suspension	-	-	-	-	-	520	-	-	E3TON
3-05-900-01	Mineral Products Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-05-900-02	Mineral Products Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-05-900-03	Mineral Products Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-05-900-11	Mineral Products Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-05-900-12	Mineral Products Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-05-900-13	Mineral Products Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-05-900-23	Mineral Products Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-06-001-01	Petroleum Industry Oil-fired **	12.6	2310	-	-	-	6.678E3*S	-	0.0121716	E3BBL
3-06-001-02	Petroleum Industry Gas-fired **	-	0.14	0.03	-	-	9.5E-1*S	-	-	E3FT3
3-06-001-03	Petroleum Industry Oil-fired	0.3	55	5	-	-	1.586E2*S	-	-	E3GAL
3-06-001-04	Petroleum Industry Gas-fired	5.5	100	84	-	-	-	-	-	E6FT3
3-06-001-05	Petroleum Industry Natural Gas-fired	2.8	140	35	-	-	0.6	-	-	E6FT3
3-06-001-06	Petroleum Industry Process Gas-fired	2.8	140	35	-	-	-	-	-	E6FT3
3-06-001-07	Petroleum Industry LPG-fired	0.26	12.8	3.2	-	-	-	-	-	E3GAL
3-06-001-08	Petroleum Industry Landfill Gas-fired	2.8	-	-	-	-	-	-	-	E6FT3
3-06-001-11	Petroleum Industry Oil-fired (No. 6 Oil) > 100 Million Btu Capacity	-	67	5	-	-	1.593E2*S	-	-	E3GAL
3-06-002-01	Petroleum Industry Fluid Catalytic Cracking Unit	220	71	13700	-	-	493	54	-	E3BBL
3-06-003-01	Petroleum Industry Thermal Catalytic Cracking Unit	87	5	3800	-	-	60	6	-	E3BBL
3-06-004-01	Petroleum Industry Blowdown System with Vapor Recovery System with Flaring	0.8	18.9	4.3	-	-	26.9	-	-	E3BBL
3-06-004-02	Petroleum Industry Blowdown System w/o Controls	580	-	-	-	-	-	-	-	E3BBL
3-06-005-03	Petroleum Industry Process Drains and Wastewater Separators	5	-	-	-	-	-	-	-	E3GAL
3-06-005-04	Petroleum Industry Process Drains and Wastewater Separators	200	-	-	-	-	-	-	-	E3BBL
3-06-005-05	Petroleum Industry Wastewater Treatment w/o Separator	0.03	-	-	-	-	-	-	-	E3GAL
3-06-005-06	Petroleum Industry Wastewater Treatment w/o Separator	0.7	-	-	-	-	-	-	-	E3BBL
3-06-006-02	Petroleum Industry Vacuum Distillation Column Condenser	50	-	-	-	-	-	-	-	E3BBL
3-06-006-03	Petroleum Industry Vacuum Distillation Column Condenser	18	-	-	-	-	-	-	-	E3BBL
3-06-007-01	Petroleum Industry Cooling Towers	6	-	-	-	-	-	-	-	E6GAL
3-06-007-02	Petroleum Industry Cooling Towers	10	-	-	-	-	-	-	-	E3BBL
3-06-008-11	Petroleum Industry Pipeline Valves: Gas Streams	517	-	-	-	-	-	-	-	EACH
3-06-008-12	Petroleum Industry Pipeline Valves: Light Liquid/Gas Streams	210	-	-	-	-	-	-	-	EACH
3-06-008-13	Petroleum Industry Pipeline Valves: Heavy Liquid Streams	4.38	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-06-008-14	Petroleum Industry Pipeline Valves: Hydrogen Streams	158	-	-	-	-	-	-	-	EACH
3-06-008-15	Petroleum Industry Open-ended Valves: All Streams	43.8	-	-	-	-	-	-	-	EACH
3-06-008-16	Petroleum Industry Flanges: All Streams	4.9	-	-	-	-	-	-	-	EACH
3-06-008-17	Petroleum Industry Pump Seals: Light Liquid/Gas Streams	2190	-	-	-	-	-	-	-	EACH
3-06-008-18	Petroleum Industry Pump Seals: Heavy Liquid Streams	403	-	-	-	-	-	-	-	EACH
3-06-008-19	Petroleum Industry Compressor Seals: Gas Streams	12300	-	-	-	-	-	-	-	EACH
3-06-008-20	Petroleum Industry Compressor Seals: Heavy Liquid Streams	964	-	-	-	-	-	-	-	EACH
3-06-008-21	Petroleum Industry Drains: All Streams	613	-	-	-	-	-	-	-	EACH
3-06-008-22	Petroleum Industry Vessel Relief Valves: All Streams	3150	-	-	-	-	-	-	-	EACH
3-06-009-03	Petroleum Industry Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-009-04	Petroleum Industry Process Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-010-01	Petroleum Industry General	35.6	-	-	-	-	-	-	-	TON
3-06-011-01	Petroleum Industry General	60	-	-	-	-	-	-	-	TON
3-06-012-01	Petroleum Industry General	16	-	-	-	-	-	-	-	E3BBL
3-06-014-01	Petroleum Industry Coke Calciner	0.7	1.1	-	-	-	16	-	-	TON
3-06-024-01	Petroleum Industry Natural Gas Fired	-	-	-	-	-	-	0.2	-	E3FT3
3-06-099-01	Petroleum Industry Distillate Oil (No. 2)	0.4	-	-	-	-	-	-	-	E3GAL
3-06-099-02	Petroleum Industry Residual Oil	0.56	-	-	-	-	-	-	-	E3GAL
3-06-099-03	Petroleum Industry Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-099-04	Petroleum Industry Process Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-07-001-02	Pulp and Paper and Wood Products Washer/Screens	0.2	-	-	-	-	0.01	-	-	TON
3-07-001-04	Pulp and Paper and Wood Products Recovery Furnace/Direct Contact Evaporator	1.95	2	11	-	-	7	-	-	TON
3-07-001-05	Pulp and Paper and Wood Products Smelt Dissolving Tank	0.16	1	-	-	-	0.2	-	-	TON
3-07-001-06	Pulp and Paper and Wood Products Lime Kiln	0.25	2.8	0.1	-	-	0.3	-	0.000109	TON
3-07-001-07	Pulp and Paper and Wood Products Turpentine Condenser	0.07	-	-	-	-	-	-	-	TON
3-07-001-08	Pulp and Paper and Wood Products Fluid Bed Calciner	0.25	2.8	-	-	-	0.3	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-07-001-09	Pulp and Paper and Wood Products Liquor Oxidation Tower	0.45	-	-	-	-	0.02	-	-	TON
3-07-001-10	Pulp and Paper and Wood Products Recovery Furnace/Indirect Contact Evaporator	0.8	1.9	11	-	-	-	-	-	TON
3-07-002-21	Pulp and Paper and Wood Products Recovery System: MgO	-	-	-	-	-	9	-	-	TON
3-07-002-22	Pulp and Paper and Wood Products Recovery System: NH3	-	-	-	-	-	7	-	-	TON
3-07-002-23	Pulp and Paper and Wood Products Recovery System: Na	-	-	-	-	-	2	-	-	TON
3-07-002-31	Pulp and Paper and Wood Products Acid Plant: NH3	3.5	-	-	-	-	0.3	-	-	TON
3-07-002-32	Pulp and Paper and Wood Products Acid Plant: Na	3.5	-	-	-	-	0.2	-	-	TON
3-07-002-33	Pulp and Paper and Wood Products Acid Plant: Ca	3.5	-	-	-	-	8	-	-	TON
3-07-003-01	Pulp and Paper and Wood Products Digester/Blow Pit/Dump Tank	-	-	-	-	-	4	-	-	TON
3-07-003-02	Pulp and Paper and Wood Products Evaporator	-	-	-	-	-	0.01	-	-	TON
3-07-003-03	Pulp and Paper and Wood Products Fluid Bed Reactor	0.25	1.6	-	-	-	-	-	-	TON
3-07-004-01	Pulp and Paper and Wood Products Paperboard: General	0.2	-	-	-	-	-	-	-	TON
3-07-004-02	Pulp and Paper and Wood Products Fiberboard: General	2.5	-	-	-	-	-	-	-	TON
3-07-005-30	Pulp and Paper and Wood Products Empty-cell process, creosote	0.00074	-	-	-	-	-	-	-	FT3
3-07-005-40	Pulp and Paper and Wood Products Empty-cell process with artificial conditioning, creosote	0.0058	-	-	-	-	-	-	-	FT3
3-07-006-07	Pulp and Paper and Wood Products Direct Wood-fired Rotary Dryer, Softwood	0.9	0.58	0.68	-	-	-	-	-	TON
3-07-006-08	Pulp and Paper and Wood Products Direct Wood-fired Rotary Dryer, mixed soft/hardwoods	0.059	1.8	0.59	-	-	-	-	-	TON
3-07-006-10	Pulp and Paper and Wood Products Direct Wood-fired Rotary Dryer, Hardwoods	0.24	0.92	5.7	-	-	-	-	-	TON
3-07-006-25	Pulp and Paper and Wood Products Direct Wood-fired Rotary Dryer, Softwood, green (>50%inlet moisture)	4.7	2.7	3.5	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-07-006-26	Pulp and Paper and Wood Products Direct Wood-fired Rotary Dryer, mixed soft/hardwoods, green	1.6	1.4	0.77	-	-	-	-	-	TON
3-07-006-30	Pulp and Paper and Wood Products Direct Natural Gas-fired Rotary Dryer, Softwood	2	-	-	-	-	-	-	-	TON
3-07-006-31	Pulp and Paper and Wood Products Direct Natural Gas-fired Rotary Dryer, Softwood, green (>50% moisture)	0.94	-	-	-	-	-	-	-	TON
3-07-006-32	Pulp and Paper and Wood Products Direct Natural Gas-fired Rotary Dryer, Hardwood	0.28	0.024	1.2	-	-	-	-	-	TON
3-07-006-35	Pulp and Paper and Wood Products Indirect Natural Gas-heated Rotary Dryer, Softwood	0.3	0.31	0.12	-	-	-	-	-	TON
3-07-006-51	Pulp and Paper and Wood Products Batch Hot Press, Urea Formaldehyde Resin	1.1	0.017	0.22	-	-	-	-	-	E3FT2
3-07-006-61	Pulp and Paper and Wood Products Particleboard Board Cooler, Urea-Formaldehyde Resin	0.091	-	0.15	-	-	-	-	-	E3FT2
3-07-006-64	Pulp and Paper and Wood Products Flaker/refiner/hammermill, softwoods & mixtures containing softwoods	1.1	-	-	-	-	-	-	-	TON
3-07-006-65	Pulp and Paper and Wood Products Sander	0.079	-	-	-	-	-	-	-	E3FT2
3-07-007-34	Pulp and Paper and Wood Products Hardwood Plywood, Veneer Dryer, Direct Wood-fired, Heated Zones	0.063	-	0.23	-	-	-	-	-	E3FT2
3-07-007-35	Pulp and Paper and Wood Products Hardwood Plywood, Veneer Dryer, Direct Wood-fired, Cooling Section	0.0045	-	-	-	-	-	-	-	E3FT2
3-07-007-36	Pulp and Paper and Wood Products Softwood Plywood, Veneer Dryer, Direct Wood-fired, Heated Zones	1.1	0.17	3.2	-	-	-	-	-	E3FT2
3-07-007-52	Pulp and Paper and Wood Products Softwood Plywood, Veneer Dryer, Direct Natural Gas-Fired, Heated Zones	2.5	0.012	0.64	-	-	-	-	-	E3FT2
3-07-007-53	Pulp and Paper and Wood Products Softwood Plywood, Veneer Dryer, Direct Nat Gas-Fired, Cooling Section	0.044	-	0.01	-	-	-	-	-	E3FT2
3-07-007-56	Pulp and Paper and Wood Products Hardwood Plywood, Veneer Dryer, Indirect-heated, Heated Zones	0.28	-	0.0088	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-07-007-57	Pulp and Paper and Wood Products Hardwood Plywood, Veneer Dryer, Indirect-heated, Cooling Section	0.72	-	0.099	-	-	-	-	-	E3FT2
3-07-007-62	Pulp and Paper and Wood Products Softwood Plywood, Veneer Dryer, Indirect-heated, Heated Zones	1.8	-	0.028	-	-	-	-	-	E3FT2
3-07-007-63	Pulp and Paper and Wood Products Softwood Plywood, Veneer Dryer, Indirect-heated, Cooling Section	0.054	-	0.043	-	-	-	-	-	E3FT2
3-07-007-71	Pulp and Paper and Wood Products Softwood Plywood, Veneer Dryer, Radio Frequency-Heated	0.28	-	-	-	-	-	-	-	E3FT2
3-07-007-83	Pulp and Paper and Wood Products Softwood Plywood Press: Phenol-formaldehyde Resin	0.25	-	-	-	-	-	-	-	E3FT2
3-07-007-85	Pulp and Paper and Wood Products Hardwood Plywood Press: Urea-formaldehyde Resin	0.047	-	-	-	-	-	-	-	E3FT2
3-07-007-88	Pulp and Paper and Wood Products HardwdPlywd,Comb'dDustBH:Trim&CoreSaws,Composr,DryHog,Hammermill,Sandr	0.014	-	-	-	-	-	-	-	E3FT2
3-07-007-90	Pulp and Paper and Wood Products Softwood Plywood, Dry Veneer Trim Chipper	0.072	-	-	-	-	-	-	-	E3FT2
3-07-007-91	Pulp and Paper and Wood Products Softwood Plywood, Dry Plywood Trim Chippers	0.068	-	-	-	-	-	-	-	E3FT2
3-07-007-92	Pulp and Paper and Wood Products Softwood Plywood, Sanders and Specialty Saw	0.18	-	-	-	-	-	-	-	E3FT2
3-07-007-93	Pulp and Paper and Wood Products Softwood Plywood, Saws, Hog, and Sander	0.086	-	-	-	-	-	-	-	E3FT2
3-07-009-23	Pulp and Paper and Wood Products Direct Wood-fired Tube Dryer, Blowline Blend, UF Resin, Softwoods	6.7	-	4	-	-	-	-	-	TON
3-07-009-27	Pulp and Paper and Wood Products Direct Natural Gas-fired Tube Dryer, Non-blowline Blend, Hardwoods	1.2	-	0.2	-	-	-	-	-	TON
3-07-009-32	Pulp and Paper and Wood Products Indirect-heated Tube Dryer, Blowline Blend, UF Resin, Softwoods	5.6	-	0.068	-	-	-	-	-	TON
3-07-009-33	Pulp and Paper and Wood Products Indirect-heated Tube Dryer, Non-blowline Blend, Softwoods	2.1	-	0.11	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-07-009-36	Pulp and Paper and Wood Products Indirect-heated Tube Dryer, Blowline Blend, UF Resin, Hardwoods	4.8	-	-	-	-	-	-	-	TON
3-07-009-37	Pulp and Paper and Wood Products Indirect-heated Second Stage Tube Dryer, Blowline Blend, Softwoods	0.18	-	-	-	-	-	-	-	TON
3-07-009-40	Pulp and Paper and Wood Products Direct Natural Gas-fired Rotary Predryer, Softwoods	0.95	-	0.24	-	-	-	-	-	TON
3-07-009-60	Pulp and Paper and Wood Products Batch Hot Press, UF Resin	0.8	0.03	0.034	-	-	-	-	-	E3FT2
3-07-009-71	Pulp and Paper and Wood Products MDF Board Cooler, UF Resin	0.13	-	-	-	-	-	-	-	E3FT2
3-07-009-82	Pulp and Paper and Wood Products Former With Blowline Blend, UF Resin	0.067	-	-	-	-	-	-	-	TON
3-07-009-83	Pulp and Paper and Wood Products Sander	0.0066	-	-	-	-	-	-	-	E3FT2
3-07-009-84	Pulp and Paper and Wood Products Saw and hogger (pulverizer)	0.13	-	-	-	-	-	-	-	E3FT2
3-07-010-09	Pulp and Paper and Wood Products Direct Wood-fired Rotary Dryer, Softwoods	8.1	0.7	5.3	-	-	-	-	-	TON
3-07-010-10	Pulp and Paper and Wood Products Direct Wood-fired Rotary Dryer, Hardwoods	2.1	0.63	5.5	-	-	-	-	-	TON
3-07-010-15	Pulp and Paper and Wood Products Direct Wood-fired Rotary Dryer, Mixed (40-60% softwd, 40-60% hardwood)	4.4	0.51	5.9	-	-	-	-	-	TON
3-07-010-20	Pulp and Paper and Wood Products Direct Natural Gas-fired Rotary Dryer, Hardwoods	-	0.68	0.72	-	-	-	-	-	TON
3-07-010-30	Pulp and Paper and Wood Products Indirect-heated Rotary Dryer, Hardwoods	0.51	-	-	-	-	-	-	-	TON
3-07-010-53	Pulp and Paper and Wood Products Hot Press, Phenol-Formaldehyde Resin	0.21	0.049	0.095	-	-	-	-	-	E3FT2
3-07-010-54	Pulp and Paper and Wood Products Hot Press, Phenol-Formaldehyde Resin (Dry)	-	0.0014	0.0026	-	-	-	-	-	E3FT2
3-07-010-55	Pulp and Paper and Wood Products Hot Press, Methylene Diphenyl Diisocyanate Resin	0.2	0.019	0.11	-	-	-	-	-	E3FT2
3-07-010-57	Pulp and Paper and Wood Products Hot Press, PF Resin (surface layers) / MDI Resin (core layers)	0.67	0.041	0.1	-	-	0.037	-	-	E3FT2
3-07-010-60	Pulp and Paper and Wood Products Blender, PF Resin/MDI Resin	0.16	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-07-010-62	Pulp and Paper and Wood Products Sanderdust Metering Bin	0.12	-	-	-	-	-	-	-	E3FT2
3-07-010-64	Pulp and Paper and Wood Products Raw Fuel Bin	0.06	-	-	-	-	-	-	-	E3FT2
3-07-014-10	Pulp and Paper and Wood Products Tube dryer, direct wood-fired, blowline blend, PF resin, hardwood	1.1	-	0.085	-	-	-	-	-	TON
3-07-014-15	Pulp and Paper and Wood Products Tube dryer, direct NG-fired, blowline blend, PF resin, hardwood	5	0.44	0.067	-	-	-	-	-	TON
3-07-014-16	Pulp and Paper and Wood Products Board dryer,direct NG-fired,softwood, linseed oil binder(heated zones)	-	-	0.49	-	-	-	-	-	E3FT2
3-07-014-20	Pulp and Paper and Wood Products Tempering oven, direct natural gas-fired, hardwood	0.61	-	0.11	-	-	-	-	-	E3FT2
3-07-014-25	Pulp and Paper and Wood Products Tube dryer, second stage, indirect heated, hardwood	0.27	-	0.076	-	-	-	-	-	TON
3-07-014-30	Pulp and Paper and Wood Products Humidification kiln, indirect heated	0.76	0.0028	0.16	-	-	-	-	-	E3FT2
3-07-014-40	Pulp and Paper and Wood Products Hot press, PF resin	0.52	-	-	-	-	-	-	-	E3FT2
3-07-014-42	Pulp and Paper and Wood Products Hot press, linseed oil binder	0.71	-	-	-	-	-	-	-	E3FT2
3-07-014-82	Pulp and Paper and Wood Products Log chipper, hardwood	0.005	-	-	-	-	-	-	-	TON
3-07-014-84	Pulp and Paper and Wood Products Pressurized digester/refiner, hardwood	0.49	-	-	-	-	-	-	-	TON
3-07-015-10	Pulp and Paper and Wood Products Board dryer, indirect heated, softwood, starch binder (heated zones)	0.082	-	0.092	-	-	-	-	-	E3FT2
3-07-015-12	Pulp and Paper and Wood Products Board dryer,indirect htd, softwood, 6-12% asphalt binder(heated zones)	0.14	-	0.029	-	-	-	-	-	E3FT2
3-07-015-30	Pulp and Paper and Wood Products Atmospheric refiner and dump chest, softwood	0.96	-	-	-	-	-	-	-	TON
3-07-015-40	Pulp and Paper and Wood Products Washer, softwood	0.23	-	-	-	-	-	-	-	TON
3-07-015-50	Pulp and Paper and Wood Products Former, vacuum system, wet, 6-12% asphalt	0.17	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-07-016-01	Pulp and Paper and Wood Products LVL, veneer, indirect heated, hardwood (heated zones)	0.016	-	-	-	-	-	-	-	E3FT2
3-07-016-02	Pulp and Paper and Wood Products LVL, veneer, indirect heated, hardwood (cooling section)	0.26	-	-	-	-	-	-	-	E3FT2
3-07-016-12	Pulp and Paper and Wood Products LVL, press, PF resin	10.4	-	-	-	-	-	-	-	E3FT3
3-07-016-20	Pulp and Paper and Wood Products LVL, I-Beam Saw	0.11	-	-	-	-	-	-	-	E3FT
3-07-016-30	Pulp and Paper and Wood Products I-Joist manufacture: I-Joist, curing chamber	0.0035	-	-	-	-	-	-	-	E3FT
3-07-016-40	Pulp and Paper and Wood Products LSL, rotary, direct wood-fired, hardwood	0.29	0.47	1.3	-	-	-	-	-	TON
3-07-016-41	Pulp and Paper and Wood Products LSL, conveyor, indirect heated, hardwood	-	2.3	-	-	-	-	-	-	TON
3-07-016-50	Pulp and Paper and Wood Products LSL, press, MDI resin	-	-	0.7	-	-	-	-	-	E3FT3
3-07-900-01	Pulp and Paper and Wood Products Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-07-900-02	Pulp and Paper and Wood Products Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-07-900-03	Pulp and Paper and Wood Products Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-07-900-11	Pulp and Paper and Wood Products Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-07-900-12	Pulp and Paper and Wood Products Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-07-900-13	Pulp and Paper and Wood Products Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-07-900-23	Pulp and Paper and Wood Products Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-08-001-01	Rubber and Miscellaneous Plastics Products Undertread and Sidewall Cementing	230	-	-	-	-	-	-	-	E3EACH
3-08-001-02	Rubber and Miscellaneous Plastics Products Bead Dipping	13.3	-	-	-	-	-	-	-	E3EACH
3-08-001-03	Rubber and Miscellaneous Plastics Products Bead Swabbing	18.3	-	-	-	-	-	-	-	E3EACH
3-08-001-04	Rubber and Miscellaneous Plastics Products Tire Building	72.6	-	-	-	-	-	-	-	E3EACH

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-08-001-05	Rubber and Miscellaneous Plastics Products Tread End Cementing	33.2	-	-	-	-	-	-	-	E3EACH
3-08-001-06	Rubber and Miscellaneous Plastics Products Green Tire Spraying	302	-	-	-	-	-	-	-	E3EACH
3-08-001-07	Rubber and Miscellaneous Plastics Products Tire Curing	4.4	-	-	-	-	-	-	-	E3EACH
3-08-001-08	Rubber and Miscellaneous Plastics Products Solvent Mixing	10.8	-	-	-	-	-	-	-	TON
3-08-001-20	Rubber and Miscellaneous Plastics Products Undertread and Sidewall Cementing	1800	-	-	-	-	-	-	-	TON
3-08-001-21	Rubber and Miscellaneous Plastics Products Tread End Cementing	1800	-	-	-	-	-	-	-	TON
3-08-001-22	Rubber and Miscellaneous Plastics Products Bead Dipping	1800	-	-	-	-	-	-	-	TON
3-08-001-23	Rubber and Miscellaneous Plastics Products Green Tire Spraying	1840	-	-	-	-	-	-	-	TON
3-08-005-01	Rubber and Miscellaneous Plastics Products Tire Buffing Machines	600	-	-	-	-	-	-	-	E3EACH
3-08-007-01	Rubber and Miscellaneous Plastics Products Plastics Machining: Drilling/Sanding/Sawing/etc.	13	-	-	-	-	-	-	-	TON
3-08-007-03	Rubber and Miscellaneous Plastics Products Solvent Consumption	649	-	-	-	-	-	-	-	TON
3-08-007-04	Rubber and Miscellaneous Plastics Products Adhesive Consumption	649	-	-	-	-	-	-	-	TON
3-08-007-21	Rubber and Miscellaneous Plastics Products Gel Coat: Roll On	940	-	-	-	-	-	-	-	TON
3-08-007-22	Rubber and Miscellaneous Plastics Products Gel Coat: Spray On	600	-	-	-	-	-	-	-	TON
3-08-007-23	Rubber and Miscellaneous Plastics Products Resin: General: Roll On	500	-	-	-	-	-	-	-	TON
3-08-007-24	Rubber and Miscellaneous Plastics Products Resin: General: Spray On ** (use 3-08-007-30)	220	-	-	-	-	-	-	-	TON
3-08-009-01	Rubber and Miscellaneous Plastics Products Polystyrene: General	49.8	-	-	-	-	-	-	-	TON
3-08-900-01	Rubber and Miscellaneous Plastics Products Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-08-900-02	Rubber and Miscellaneous Plastics Products Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-08-900-03	Rubber and Miscellaneous Plastics Products Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-08-900-11	Rubber and Miscellaneous Plastics Products Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-08-900-12	Rubber and Miscellaneous Plastics Products Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-08-900-13	Rubber and Miscellaneous Plastics Products Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-08-900-23	Rubber and Miscellaneous Plastics Products Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-09-002-02	Fabricated Metal Products Sand Abrasive	-	-	-	26	2.6	-	-	-	TON
3-09-010-01	Fabricated Metal Products Entire Process: General	0.026	0.009	-	-	-	-	-	-	FT2
3-09-010-28	Fabricated Metal Products Decorative Chromium - Electroplating Tank	-	-	-	0.069	-	-	-	-	AMP-HR
3-09-010-38	Fabricated Metal Products Chromic Acid Anodizing - Anodizing Tank	-	-	-	4.2	-	-	-	-	E3FT2
3-09-011-01	Fabricated Metal Products Alkaline Cleaning Bath	-	0.3	-	-	-	-	-	-	TON
3-09-011-02	Fabricated Metal Products Acid Cleaning Bath (Pickling)	-	13	-	-	-	-	-	-	TON
3-09-011-03	Fabricated Metal Products Anodizing Kettle	-	0.2	-	-	-	-	-	-	TON
3-09-011-04	Fabricated Metal Products Rinsing/Finishing	100	8	-	-	-	-	-	-	TON
3-09-015-01	Fabricated Metal Products Milling Tank	-	160	-	-	-	-	-	-	TON
3-09-016-01	Fabricated Metal Products Asphalt Dipping	1000	-	-	-	-	-	-	-	TON
3-09-016-05	Fabricated Metal Products Asphalt Dipping	23.3	-	-	-	-	-	-	-	E3FT2
3-09-016-06	Fabricated Metal Products Pipe Spinning	23.3	-	-	-	-	-	-	-	E3FT2
3-09-016-07	Fabricated Metal Products Pipe Wrapping	23.3	-	-	-	-	-	-	-	E3FT2
3-09-025-01	Fabricated Metal Products Drum Burning Furnace	-	0.002	-	-	-	-	-	-	EACH
3-09-040-01	Fabricated Metal Products Metallizing: Wire Atomization and Spraying	-	-	-	-	-	-	-	0.5	TON
3-09-051-16	Fabricated Metal Products E310 Electrode	-	-	-	-	-	-	-	0.024	E3LB
3-09-051-52	Fabricated Metal Products E7028 Electrode	-	-	-	-	-	-	-	0.162	E3LB
3-09-900-01	Fabricated Metal Products Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-09-900-02	Fabricated Metal Products Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-09-900-03	Fabricated Metal Products Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-09-900-11	Fabricated Metal Products Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-09-900-12	Fabricated Metal Products Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-09-900-13	Fabricated Metal Products Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-09-900-23	Fabricated Metal Products Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-10-001-01	Oil and Gas Production Complete Well: Fugitive Emissions	396	-	-	-	-	-	-	-	EACH
3-10-001-02	Oil and Gas Production Miscellaneous Well: General	280	-	-	-	-	-	-	-	EACH
3-10-001-03	Oil and Gas Production Wells: Rod Pumps	456	-	-	-	-	-	-	-	EACH
3-10-001-04	Oil and Gas Production Crude Oil Sumps	9	-	-	-	-	-	-	-	FT2
3-10-001-05	Oil and Gas Production Crude Oil Pits	9	-	-	-	-	-	-	-	FT2
3-10-002-03	Oil and Gas Production Compressors	6	-	-	-	-	-	-	-	E6FT3
3-10-002-04	Oil and Gas Production Wells	35.3	-	-	-	-	-	-	-	E6FT3
3-10-002-05	Oil and Gas Production Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-10-002-06	Oil and Gas Production Gas Lift	6	-	-	-	-	-	-	-	E6FT3
3-10-004-01	Oil and Gas Production Distillate Oil (No. 2)	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
3-10-004-02	Oil and Gas Production Residual Oil	0.28	55	5	-	-	1.586E2*S	-	0.00224	E3GAL
3-10-004-03	Oil and Gas Production Crude Oil	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
3-10-004-04	Oil and Gas Production Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
3-10-004-05	Oil and Gas Production Process Gas	2.8	140	35	-	-	9.5E2*S	-	-	E6FT3
3-10-004-11	Oil and Gas Production Distillate Oil (No. 2): Steam Generators	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
3-10-004-12	Oil and Gas Production Residual Oil: Steam Generators	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
3-10-004-13	Oil and Gas Production Crude Oil: Steam Generators	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
3-10-004-14	Oil and Gas Production Natural Gas: Steam Generators	2.8	140	35	-	-	0.6	-	-	E6FT3
3-10-004-15	Oil and Gas Production Process Gas: Steam Generators	2.8	140	35	-	-	-	-	-	E6FT3
3-13-070-01	Electrical Equipment Single Chamber Incinerator/Oven	950	-	-	-	-	2.5	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-13-070-02	Electrical Equipment Multiple Chamber Incinerator/Oven	190	0.1	-	-	-	2.5	-	-	TON
3-13-900-01	Electrical Equipment Distillate Oil (No. 2)	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-13-900-02	Electrical Equipment Residual Oil	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-13-900-03	Electrical Equipment Natural Gas	2.8	140	-	-	-	0.6	-	-	E6FT3
3-14-010-01	Transportation Equipment Single Chamber Incinerator	950	-	-	-	-	2.5	-	-	TON
3-14-010-02	Transportation Equipment Multiple Chamber Incinerator	190	-	-	-	-	2.5	-	-	TON
3-15-010-02	Photo Equip/Health Care/Labs/Air Condit/SwimPools Toner Classification	630	-	-	-	-	-	-	-	E3LB
3-15-020-01	Photo Equip/Health Care/Labs/Air Condit/SwimPools Sterilization with Ethylene Oxide	2000	-	-	-	-	-	-	-	TON
3-15-021-01	Photo Equip/Health Care/Labs/Air Condit/SwimPools Crematory Stack	-	-	-	-	-	-	-	0.0000662	EACH
3-20-999-98	Leather and Leather Products Other Not Classified	19	-	-	-	-	-	-	-	GAL
3-30-001-02	Textile Products Printing	284	-	-	-	-	-	-	-	TON
3-30-001-04	Textile Products Tenter Frames: Heat Setting	0.47	-	-	-	-	-	-	-	TON
3-30-002-11	Textile Products Impregnation	120	-	-	-	-	-	-	-	TON
3-30-002-12	Textile Products Wet Coating	1200	-	-	-	-	-	-	-	TON
3-30-002-13	Textile Products Hot Melt Coating	120	-	-	-	-	-	-	-	TON
3-30-002-14	Textile Products Wet Coating Mixing	120	-	-	-	-	-	-	-	TON
3-30-002-97	Textile Products Other Not Classified	2000	-	-	-	-	-	-	-	TON
3-60-001-01	Printing and Publishing Remelting (Lead Emissions Only)	-	-	-	-	-	-	-	0.25	TON
3-85-001-02	Cooling Tower Natural Draft	0.03	-	-	-	-	-	-	-	E6GAL
3-90-001-89	In-process Fuel Use General	0.07	18	0.6	-	-	3.9E1*S	-	0.0133	TON
3-90-002-88	In-process Fuel Use General (Subbituminous)	0.07	34	0.6	-	-	3.9E1*S	-	-	TON
3-90-002-89	In-process Fuel Use General (Bituminous)	0.07	34	0.6	-	-	3.9E1*S	-	0.0133	TON
3-90-003-89	In-process Fuel Use General	0.07	14	0.6	-	-	3E1*S	-	-	TON
3-90-004-03	In-process Fuel Use Lime Kiln	-	-	-	-	-	7.95E1*S	-	-	E3GAL
3-90-004-89	In-process Fuel Use General	0.28	55	5	-	-	1.586E2*S	-	0.0042	E3GAL
3-90-005-02	In-process Fuel Use Cement Kiln/Dryer	-	-	-	-	-	9.8E1*S	-	-	E3GAL
3-90-005-03	In-process Fuel Use Lime Kiln	-	-	-	-	-	7.2E1*S	-	-	E3GAL
3-90-005-88	In-process Fuel Use PROCESS FUEL: #4 OIL	0.298	20	5	-	-	152*S	-	0.0004	E3GAL
3-90-005-89	In-process Fuel Use General	0.2	20	5	-	-	1.436E2*S	-	0.0012	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
3-90-006-89	In-process Fuel Use General	5.94	100	84	-	-	0.6	-	0.0005	E6FT3
3-90-008-89	In-process Fuel Use General	0.0623	14	0.6	-	-	38*S	-	-	TON
3-90-009-89	In-process Fuel Use General	1.4	0.68	4	-	-	0.15	-	-	TON
3-90-010-89	In-process Fuel Use General	0.5	14	1.9	-	-	0.02*S	-	-	E3GAL
3-90-013-89	In-process Fuel Use General	1	20	5	-	-	147*S	-	1.68	E3GAL
3-99-900-01	Miscellaneous Manufacturing Industries Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-99-900-02	Miscellaneous Manufacturing Industries Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-99-900-03	Miscellaneous Manufacturing Industries Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-99-900-04	Miscellaneous Manufacturing Industries Process Gas: Process Heaters	2.8	140	-	-	-	9.5E2*S	-	-	E6FT3
3-99-900-11	Miscellaneous Manufacturing Industries Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-99-900-12	Miscellaneous Manufacturing Industries Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-99-900-13	Miscellaneous Manufacturing Industries Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-99-900-14	Miscellaneous Manufacturing Industries Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-99-900-23	Miscellaneous Manufacturing Industries Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-99-900-24	Miscellaneous Manufacturing Industries Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
4-01-001-01	Organic Solvent Evaporation Perchloroethylene	550	-	-	-	-	-	-	-	TON
4-01-001-02	Organic Solvent Evaporation Stoddard (Petroleum Solvent) ** (Use 4-10-001-01 or 4-10-002-01)	560	-	-	-	-	-	-	-	TON
4-01-001-03	Organic Solvent Evaporation Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-001-04	Organic Solvent Evaporation Stoddard (Petroleum Solvent) ** (Use 4-10-001-02 or 4-10-002-02)	2000	-	-	-	-	-	-	-	TON
4-01-001-05	Organic Solvent Evaporation Trichlorotrifluoroethane (Freon)	2000	-	-	-	-	-	-	-	TON
4-01-002-01	Organic Solvent Evaporation Stoddard (Petroleum Solvent): Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-01-002-03	Organic Solvent Evaporation Perchloroethylene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-04	Organic Solvent Evaporation Methylene Chloride: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-05	Organic Solvent Evaporation Trichloroethylene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-06	Organic Solvent Evaporation Toluene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-08	Organic Solvent Evaporation Chlorosolve: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-09	Organic Solvent Evaporation Butyl Acetate: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-15	Organic Solvent Evaporation Entire Unit: Open-top Vapor Degreasing	21000	-	-	-	-	-	-	-	TON
4-01-002-16	Organic Solvent Evaporation Degreaser: Entire Unit	150	-	-	-	-	-	-	-	E3FT2
4-01-002-17	Organic Solvent Evaporation Entire Unit	0.15	-	-	-	-	-	-	-	FT2
4-01-002-21	Organic Solvent Evaporation Stoddard (Petroleum Solvent): Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-22	Organic Solvent Evaporation 1,1,1-Trichloroethane (Methyl Chloroform):Conveyorized Vapor Degreaser	1030	-	-	-	-	-	-	-	TON
4-01-002-23	Organic Solvent Evaporation Perchloroethylene: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-24	Organic Solvent Evaporation Methylene Chloride: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-25	Organic Solvent Evaporation Trichloroethylene: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-27	Organic Solvent Evaporation CONV VAPOR DEG: FREON 113	2000	-	-	-	-	-	-	-	TON
4-01-002-35	Organic Solvent Evaporation Entire Unit: with Vaporized Solvent: Conveyorized Vapor Degreasing	52000	-	-	-	-	-	-	-	EACH
4-01-002-36	Organic Solvent Evaporation Entire Unit: with Non-boiling Solvent: Conveyorized Vapor Degreasing	104000	-	-	-	-	-	-	-	EACH
4-01-002-52	Organic Solvent Evaporation 1,1,1-Trichloroethane (Methyl Chloroform): General Degreasing Units	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-01-002-54	Organic Solvent Evaporation Methylene Chloride: General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-57	Organic Solvent Evaporation Trichlorotrifluoroethane (Freon): General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-95	Organic Solvent Evaporation Other Not Classified: General Degreasing Units	2000	-	-	-	-	-	-	-	GAL
4-01-002-96	Organic Solvent Evaporation Other Not Classified: General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-97	Organic Solvent Evaporation Other Not Classified: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-98	Organic Solvent Evaporation Other Not Classified: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-99	Organic Solvent Evaporation Other Not Classified: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-003-01	Organic Solvent Evaporation Methanol	2000	-	-	-	-	-	-	-	TON
4-01-003-02	Organic Solvent Evaporation Methylene Chloride	2000	-	-	-	-	-	-	-	TON
4-01-003-03	Organic Solvent Evaporation Stoddard (Petroleum Solvent)	2000	-	-	-	-	-	-	-	TON
4-01-003-04	Organic Solvent Evaporation Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-003-05	Organic Solvent Evaporation 1,1,1-Trichloroethane (Methyl Chloroform)	2000	-	-	-	-	-	-	-	TON
4-01-003-06	Organic Solvent Evaporation Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-003-07	Organic Solvent Evaporation Isopropyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-01-003-08	Organic Solvent Evaporation Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON
4-01-003-09	Organic Solvent Evaporation Freon	2000	-	-	-	-	-	-	-	TON
4-01-003-10	Organic Solvent Evaporation Acetone	2000	-	-	-	-	-	-	-	TON
4-01-003-35	Organic Solvent Evaporation Entire Unit	660	-	-	-	-	-	-	-	EACH
4-01-003-36	Organic Solvent Evaporation Degreaser: Entire Unit	80	-	-	-	-	-	-	-	E3FT2
4-01-003-99	Organic Solvent Evaporation Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-01-004-01	Organic Solvent Evaporation Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-004-99	Organic Solvent Evaporation Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-001-01	Surface Coating Operations Paint: Solvent-base	1120	-	-	-	-	-	-	-	TON
4-02-001-10	Surface Coating Operations Paint: Solvent-base	5.6	-	-	-	-	-	-	-	GAL
4-02-002-01	Surface Coating Operations Paint: Water-base	246	-	-	-	-	-	-	-	TON
4-02-002-10	Surface Coating Operations Paint: Water-base	1.3	-	-	-	-	-	-	-	GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-02-003-01	Surface Coating Operations Varnish/Shellac	1000	-	-	-	-	-	-	-	TON
4-02-003-10	Surface Coating Operations Varnish/Shellac	3.3	-	-	-	-	-	-	-	GAL
4-02-004-01	Surface Coating Operations Lacquer	1540	-	-	-	-	-	-	-	TON
4-02-004-10	Surface Coating Operations Lacquer	6.1	-	-	-	-	-	-	-	GAL
4-02-005-01	Surface Coating Operations Enamel	840	-	-	-	-	-	-	-	TON
4-02-005-10	Surface Coating Operations Enamel	3.5	-	-	-	-	-	-	-	GAL
4-02-006-01	Surface Coating Operations Primer	1320	-	-	-	-	-	-	-	TON
4-02-006-10	Surface Coating Operations Primer	6.6	-	-	-	-	-	-	-	GAL
4-02-007-01	Surface Coating Operations Adhesive Application	1270	-	-	-	-	-	-	-	TON
4-02-007-06	Surface Coating Operations Adhesive: Solvent Mixing	200	-	-	-	-	-	-	-	TON
4-02-007-10	Surface Coating Operations Adhesive: General	4.4	-	-	-	-	-	-	-	GAL
4-02-008-01	Surface Coating Operations General	800	54	-	-	-	5	-	-	TON
4-02-009-01	Surface Coating Operations General: Specify in Comments	2000	-	-	-	-	-	-	-	TON
4-02-009-02	Surface Coating Operations Acetone	2000	-	-	-	-	-	-	-	TON
4-02-009-03	Surface Coating Operations Butyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-04	Surface Coating Operations Butyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-05	Surface Coating Operations Carbitol	2000	-	-	-	-	-	-	-	TON
4-02-009-06	Surface Coating Operations Cellosolve	2000	-	-	-	-	-	-	-	TON
4-02-009-07	Surface Coating Operations Cellosolve Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-08	Surface Coating Operations Dimethyl Formamide	2000	-	-	-	-	-	-	-	TON
4-02-009-09	Surface Coating Operations Ethyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-10	Surface Coating Operations Ethyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-11	Surface Coating Operations Gasoline	2000	-	-	-	-	-	-	-	TON
4-02-009-12	Surface Coating Operations Isopropyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-13	Surface Coating Operations Isopropyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-14	Surface Coating Operations Kerosene	2000	-	-	-	-	-	-	-	TON
4-02-009-15	Surface Coating Operations Lactol Spirits	2000	-	-	-	-	-	-	-	TON
4-02-009-16	Surface Coating Operations Methyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-17	Surface Coating Operations Methyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-18	Surface Coating Operations Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON
4-02-009-19	Surface Coating Operations Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-02-009-20	Surface Coating Operations Mineral Spirits	2000	-	-	-	-	-	-	-	TON
4-02-009-21	Surface Coating Operations Naphtha	2000	-	-	-	-	-	-	-	TON
4-02-009-22	Surface Coating Operations Toluene	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-02-009-23	Surface Coating Operations Varsol	2000	-	-	-	-	-	-	-	TON
4-02-009-24	Surface Coating Operations Xylene	2000	-	-	-	-	-	-	-	TON
4-02-009-25	Surface Coating Operations Benzene	2000	-	-	-	-	-	-	-	TON
4-02-009-26	Surface Coating Operations Turpentine	2000	-	-	-	-	-	-	-	TON
4-02-009-27	Surface Coating Operations Hexylene Glycol	2000	-	-	-	-	-	-	-	TON
4-02-009-28	Surface Coating Operations Ethylene Oxide	2000	-	-	-	-	-	-	-	TON
4-02-009-29	Surface Coating Operations 1,1,1-Trichloroethane (Methyl Chloroform)	2000	-	-	-	-	-	-	-	TON
4-02-009-30	Surface Coating Operations Methylene Chloride	2000	-	-	-	-	-	-	-	TON
4-02-009-31	Surface Coating Operations Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-02-009-98	Surface Coating Operations General: Specify in Comments	2000	-	-	-	-	-	-	-	GAL
4-02-010-01	Surface Coating Operations Natural Gas	-	-	-	-	-	0.6	-	-	E6FT3
4-02-010-02	Surface Coating Operations Distillate Oil	-	-	-	-	-	1.4365E2*S	-	-	E3GAL
4-02-010-03	Surface Coating Operations Residual Oil	-	-	-	-	-	1.586E2*S	-	-	E3GAL
4-02-010-04	Surface Coating Operations Liquified Petroleum Gas (LPG)	-	-	-	-	-	9.0E-2*S	-	-	E3GAL
4-02-011-01	Surface Coating Operations Coating Operation (Also See Specific Coating Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON
4-02-011-03	Surface Coating Operations Coating Mixing (Also See Specific Coating Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON
4-02-011-05	Surface Coating Operations Equipment Cleanup:Fabric Coating(Also Spec Coat Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON
4-02-011-11	Surface Coating Operations Fabric Printing: Roller (Also See New Codes Under 4-02-040-XX)	284	-	-	-	-	-	-	-	TON
4-02-011-12	Surface Coating Operations Fabric Printing: Roller (Also See New Codes Under 4-02-040-XX)	278000	-	-	-	-	-	-	-	EACH
4-02-011-13	Surface Coating Operations Fabric Printing: Rotary Screen (Also See New Codes Under 4-02-040-XX)	46	-	-	-	-	-	-	-	TON
4-02-011-14	Surface Coating Operations Fabric Printing: Rotary Screen (Also See New Codes Under 4-02-040-XX)	62000	-	-	-	-	-	-	-	EACH
4-02-011-15	Surface Coating Operations Fabric Printing: Flat Screen (Also See New Codes Under 4-02-040-XX)	158	-	-	-	-	-	-	-	TON
4-02-011-16	Surface Coating Operations Fabric Printing: Flat Screen (Also See New Codes Under 4-02-040-XX)	62000	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-02-011-99	Surface Coating Operations Other Not Classified (Also See New Codes Under 4-02-040-XX)	2000	-	-	-	-	-	-	-	TON
4-02-012-01	Surface Coating Operations Dye Application: General (Also See New Codes Under 4-02-060-XX)	2000	-	-	-	-	-	-	-	TON
4-02-013-01	Surface Coating Operations Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-013-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-013-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-013-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-014-01	Surface Coating Operations Prime Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-014-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-014-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-014-06	Surface Coating Operations Topcoat Spray	2000	-	-	-	-	-	-	-	TON
4-02-014-31	Surface Coating Operations Coating Line: General	0.9	-	-	-	-	-	-	-	EACH
4-02-014-32	Surface Coating Operations Prime Air Spray	3.1	-	-	-	-	-	-	-	E3FT2
4-02-014-33	Surface Coating Operations Prime Electrostatic Spray	1.79	-	-	-	-	-	-	-	E3FT2
4-02-014-34	Surface Coating Operations Prime Flow Coat	1.65	-	-	-	-	-	-	-	E3FT2
4-02-014-35	Surface Coating Operations Prime Dip Coat	1.65	-	-	-	-	-	-	-	E3FT2
4-02-014-36	Surface Coating Operations Prime Electro-deposition	1.5	-	-	-	-	-	-	-	E3FT2
4-02-014-37	Surface Coating Operations Top Air Spray	6.3	-	-	-	-	-	-	-	E3FT2
4-02-014-38	Surface Coating Operations Top Electrostatic Spray	3.2	-	-	-	-	-	-	-	E3FT2
4-02-014-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-015-01	Surface Coating Operations Coating/Application/Curing	2000	-	-	-	-	-	-	-	TON
4-02-015-02	Surface Coating Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-015-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-015-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-015-31	Surface Coating Operations Coating Line: General	186000	-	-	-	-	-	-	-	EACH
4-02-015-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-016-01	Surface Coating Operations Prime Application/Electo-deposition/Dip/Spray	2000	-	-	-	-	-	-	-	TON
4-02-016-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-02-016-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-016-06	Surface Coating Operations Topcoat Operation	2000	-	-	-	-	-	-	-	TON
4-02-016-19	Surface Coating Operations Prime Surfacing Operation	2000	-	-	-	-	-	-	-	TON
4-02-016-20	Surface Coating Operations Repair Topcoat Application Area	2000	-	-	-	-	-	-	-	TON
4-02-016-21	Surface Coating Operations Prime Coating: Solvent-borne - Automobiles	14.5	-	-	-	-	-	-	-	EACH
4-02-016-22	Surface Coating Operations Prime Coating: Electro-deposition - Automobiles	0.45	-	-	-	-	-	-	-	EACH
4-02-016-23	Surface Coating Operations Guide Coating: Solvent-borne - Automobiles	4.16	-	-	-	-	-	-	-	EACH
4-02-016-24	Surface Coating Operations Guide Coating: Water-borne - Automobiles	1.5	-	-	-	-	-	-	-	EACH
4-02-016-25	Surface Coating Operations Topcoat: Solvent-borne - Automobiles	27.3	-	-	-	-	-	-	-	EACH
4-02-016-26	Surface Coating Operations Topcoat: Water-borne - Automobiles	4.95	-	-	-	-	-	-	-	EACH
4-02-016-27	Surface Coating Operations Prime Coating: Solvent-borne - Light Trucks	42.4	-	-	-	-	-	-	-	EACH
4-02-016-28	Surface Coating Operations Prime Coating: Electro-deposition - Light Trucks	0.58	-	-	-	-	-	-	-	EACH
4-02-016-29	Surface Coating Operations Guide Coating: Solvent-borne - Light Trucks	14	-	-	-	-	-	-	-	EACH
4-02-016-30	Surface Coating Operations Guide Coating: Water-borne - Light Trucks	5.06	-	-	-	-	-	-	-	EACH
4-02-016-31	Surface Coating Operations Topcoat: Solvent-borne - Light Trucks	40.3	-	-	-	-	-	-	-	EACH
4-02-016-32	Surface Coating Operations Topcoat: Water-borne - Light Trucks	15.5	-	-	-	-	-	-	-	EACH
4-02-016-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-017-02	Surface Coating Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-017-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-017-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-017-21	Surface Coating Operations Two Piece Exterior Base Coating	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-02-017-22	Surface Coating Operations Interior Spray Coating	2000	-	-	-	-	-	-	-	TON
4-02-017-23	Surface Coating Operations Sheet Base Coating (Interior)	2000	-	-	-	-	-	-	-	TON
4-02-017-24	Surface Coating Operations Sheet Base Coating (Exterior)	2000	-	-	-	-	-	-	-	TON
4-02-017-25	Surface Coating Operations Side Seam Spray Coating	2000	-	-	-	-	-	-	-	TON
4-02-017-26	Surface Coating Operations End Sealing Compound (Also See 4-02-017-36 & -37)	2000	-	-	-	-	-	-	-	TON
4-02-017-27	Surface Coating Operations Lithography	2000	-	-	-	-	-	-	-	TON
4-02-017-28	Surface Coating Operations Over Varnish	2000	-	-	-	-	-	-	-	TON
4-02-017-31	Surface Coating Operations Three-piece Can Sheet Base Coating	352000	-	-	-	-	-	-	-	EACH
4-02-017-32	Surface Coating Operations Three-piece Can Sheet Lithographic Coating Line	110000	-	-	-	-	-	-	-	EACH
4-02-017-33	Surface Coating Operations Three-piece Can-side Seam Spray Coating	40000	-	-	-	-	-	-	-	EACH
4-02-017-34	Surface Coating Operations Three-piece Can Interior Body Spray Coat	176000	-	-	-	-	-	-	-	EACH
4-02-017-35	Surface Coating Operations Two-piece Can Coating Line	574000	-	-	-	-	-	-	-	EACH
4-02-017-36	Surface Coating Operations Two-piece Can End Sealing Compound	30000	-	-	-	-	-	-	-	EACH
4-02-017-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-018-01	Surface Coating Operations Prime Coating Application	2000	-	-	-	-	-	-	-	TON
4-02-018-03	Surface Coating Operations Solvent Mixing	2000	-	-	-	-	-	-	-	TON
4-02-018-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-018-06	Surface Coating Operations Finish Coating	2000	-	-	-	-	-	-	-	TON
4-02-018-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-019-01	Surface Coating Operations Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-019-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-019-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-020-01	Surface Coating Operations Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-020-02	Surface Coating Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-020-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-02-020-04	Surface Coating Operations Coating Storage	2000	-	-	-	-	-	-	-	TON
4-02-020-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-020-31	Surface Coating Operations Single Spray Line: General	22.9	-	-	-	-	-	-	-	E3FT2
4-02-020-32	Surface Coating Operations Spray Dip Line: General ** (Use 4-02-020-37)	15.3	-	-	-	-	-	-	-	E3FT2
4-02-020-33	Surface Coating Operations Spray High Solids Coating ** (Use 4-02-020-35)	6.8	-	-	-	-	-	-	-	E3FT2
4-02-020-34	Surface Coating Operations Spray Water-borne Coating ** (Use 4-02-020-36)	4.3	-	-	-	-	-	-	-	E3FT2
4-02-020-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-021-01	Surface Coating Operations Base Coat	2000	-	-	-	-	-	-	-	TON
4-02-021-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-021-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-021-06	Surface Coating Operations Topcoat	2000	-	-	-	-	-	-	-	TON
4-02-021-07	Surface Coating Operations Filler	2000	-	-	-	-	-	-	-	TON
4-02-021-08	Surface Coating Operations Sealer	2000	-	-	-	-	-	-	-	TON
4-02-021-09	Surface Coating Operations Inks	2000	-	-	-	-	-	-	-	TON
4-02-021-31	Surface Coating Operations Water-borne Coating	2.5	-	-	-	-	-	-	-	E3FT2
4-02-021-32	Surface Coating Operations Solvent-borne Coating	16.5	-	-	-	-	-	-	-	E3FT2
4-02-021-33	Surface Coating Operations Ultraviolet Coating	0.8	-	-	-	-	-	-	-	E3FT2
4-02-021-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-022-01	Surface Coating Operations Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-022-02	Surface Coating Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-022-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-022-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-022-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-023-01	Surface Coating Operations Prime Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-023-02	Surface Coating Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-023-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-023-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-023-06	Surface Coating Operations Topcoat Operation	2000	-	-	-	-	-	-	-	TON
4-02-023-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-024-02	Surface Coating Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-02-025-01	Surface Coating Operations Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-025-02	Surface Coating Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-025-03	Surface Coating Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-025-05	Surface Coating Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-025-31	Surface Coating Operations Conveyor Single Flow	15.3	-	-	-	-	-	-	-	E3FT2
4-02-025-32	Surface Coating Operations Conveyor Single Dip	15.3	-	-	-	-	-	-	-	E3FT2
4-02-025-33	Surface Coating Operations Conveyor Single Spray	27.5	-	-	-	-	-	-	-	E3FT2
4-02-025-34	Surface Coating Operations Conveyor Two Coat, Flow and Spray	42.8	-	-	-	-	-	-	-	E3FT2
4-02-025-35	Surface Coating Operations Conveyor Two Coat, Dip and Spray	42.8	-	-	-	-	-	-	-	E3FT2
4-02-025-36	Surface Coating Operations Conveyor Two Coat, Spray	55	-	-	-	-	-	-	-	E3FT2
4-02-025-37	Surface Coating Operations Manual Two Coat, Spray and Air Dry	54.8	-	-	-	-	-	-	-	E3FT2
4-02-025-99	Surface Coating Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-026-01	Surface Coating Operations Coating Operation	4.3	-	-	-	-	-	-	-	GAL
4-02-026-03	Surface Coating Operations Coating Mixing	0.5	-	-	-	-	-	-	-	GAL
4-02-026-05	Surface Coating Operations Equipment Cleanup	0.5	-	-	-	-	-	-	-	GAL
4-02-026-06	Surface Coating Operations Interior Coating	2.2	-	-	-	-	-	-	-	GAL
4-02-026-07	Surface Coating Operations Exterior Coating	2.2	-	-	-	-	-	-	-	GAL
4-02-900-23	Surface Coating Operations Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
4-02-999-96	Surface Coating Operations Specify in Comments Field	2000	-	-	-	-	-	-	-	TON
4-03-001-01	Petroleum Product Storage at Refineries Gasoline **	30.5	-	-	-	-	-	-	-	E3GAL
4-03-001-02	Petroleum Product Storage at Refineries Crude **	23.4	-	-	-	-	-	-	-	E3GAL
4-03-001-03	Petroleum Product Storage at Refineries Gasoline **	16.5	-	-	-	-	-	-	-	E3GAL
4-03-001-04	Petroleum Product Storage at Refineries Crude **	2.47	-	-	-	-	-	-	-	E3GAL
4-03-001-05	Petroleum Product Storage at Refineries Jet Fuel **	8.8	-	-	-	-	-	-	-	E3GAL
4-03-001-06	Petroleum Product Storage at Refineries Kerosene **	0.45	-	-	-	-	-	-	-	E3GAL
4-03-001-07	Petroleum Product Storage at Refineries Dist Fuel **	0.39	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-03-001-50	Petroleum Product Storage at Refineries Jet Fuel **	2.5	-	-	-	-	-	-	-	E3GAL
4-03-001-51	Petroleum Product Storage at Refineries Kerosene **	0.03	-	-	-	-	-	-	-	E3GAL
4-03-001-52	Petroleum Product Storage at Refineries Dist Fuel **	0.02	-	-	-	-	-	-	-	E3GAL
4-03-002-01	Petroleum Product Storage at Refineries Gasoline **	13.4	-	-	-	-	-	-	-	E3GAL
4-03-002-03	Petroleum Product Storage at Refineries Crude **	1.76	-	-	-	-	-	-	-	E3GAL
4-03-002-05	Petroleum Product Storage at Refineries Jet Fuel **	3.5	-	-	-	-	-	-	-	E3GAL
4-03-002-07	Petroleum Product Storage at Refineries Dist Fuel **	0.02	-	-	-	-	-	-	-	E3GAL
4-03-003-02	Petroleum Product Storage at Refineries Gasoline **	7.7	-	-	-	-	-	-	-	E3GAL
4-03-010-01	Petroleum Product Storage at Refineries Gasoline RVP 13: Breathing Loss (67000 Bbl. Tank Size)	30.5	-	-	-	-	-	-	-	E3GAL
4-03-010-02	Petroleum Product Storage at Refineries Gasoline RVP 10: Breathing Loss (67000 Bbl. Tank Size)	23.4	-	-	-	-	-	-	-	E3GAL
4-03-010-03	Petroleum Product Storage at Refineries Gasoline RVP 7: Breathing Loss (67000 Bbl. Tank Size)	16.5	-	-	-	-	-	-	-	E3GAL
4-03-010-04	Petroleum Product Storage at Refineries Gasoline RVP 13: Breathing Loss (250000 Bbl. Tank Size)	22	-	-	-	-	-	-	-	E3GAL
4-03-010-05	Petroleum Product Storage at Refineries Gasoline RVP 10: Breathing Loss (250000 Bbl. Tank Size)	16.9	-	-	-	-	-	-	-	E3GAL
4-03-010-06	Petroleum Product Storage at Refineries Gasoline RVP 7: Breathing Loss (250000 Bbl. Tank Size)	11.9	-	-	-	-	-	-	-	E3GAL
4-03-010-07	Petroleum Product Storage at Refineries Gasoline RVP 13: Working Loss (Tank Diameter Independent)	10	-	-	-	-	-	-	-	E3GAL
4-03-010-08	Petroleum Product Storage at Refineries Gasoline RVP 10: Working Loss (Tank Diameter Independent)	8.2	-	-	-	-	-	-	-	E3GAL
4-03-010-09	Petroleum Product Storage at Refineries Gasoline RVP 7: Working Loss (Tank Diameter Independent)	5.7	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-03-010-10	Petroleum Product Storage at Refineries Crude Oil RVP 5: Breathing Loss (67000 Bbl. Tank Size)	6.5	-	-	-	-	-	-	-	E3GAL
4-03-010-11	Petroleum Product Storage at Refineries Crude Oil RVP 5: Breathing Loss (250000 Bbl. Tank Size)	4.69	-	-	-	-	-	-	-	E3GAL
4-03-010-12	Petroleum Product Storage at Refineries Crude Oil RVP 5: Working Loss (Tank Diameter Independent)	2.8	-	-	-	-	-	-	-	E3GAL
4-03-010-13	Petroleum Product Storage at Refineries Jet Naphtha (JP-4): Breathing Loss (67000 Bbl. Tank Size)	8.8	-	-	-	-	-	-	-	E3GAL
4-03-010-14	Petroleum Product Storage at Refineries Jet Naphtha (JP-4): Breathing Loss (250000 Bbl. Tank Size)	6.3	-	-	-	-	-	-	-	E3GAL
4-03-010-15	Petroleum Product Storage at Refineries Jet Naphtha (JP-4): Working Loss (Tank Diameter Independent)	2.5	-	-	-	-	-	-	-	E3GAL
4-03-010-16	Petroleum Product Storage at Refineries Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)	0.44	-	-	-	-	-	-	-	E3GAL
4-03-010-17	Petroleum Product Storage at Refineries Jet Kerosene: Breathing Loss (250000 Bbl. Tank Size)	0.3	-	-	-	-	-	-	-	E3GAL
4-03-010-18	Petroleum Product Storage at Refineries Jet Kerosene: Working Loss (Tank Diameter Independent)	0.03	-	-	-	-	-	-	-	E3GAL
4-03-010-19	Petroleum Product Storage at Refineries Distillate Fuel #2: Breathing Loss (67000 Bbl. Tank Size)	0.4	-	-	-	-	-	-	-	E3GAL
4-03-010-20	Petroleum Product Storage at Refineries Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)	0.29	-	-	-	-	-	-	-	E3GAL
4-03-010-21	Petroleum Product Storage at Refineries Distillate Fuel #2: Working Loss (Tank Diameter Independent)	0.02	-	-	-	-	-	-	-	E3GAL
4-03-010-99	Petroleum Product Storage at Refineries Specify Liquid: Working Loss (Tank Diameter Independent)	0.4	-	-	-	-	-	-	-	E3GAL
4-03-011-11	Petroleum Product Storage at Refineries Jet Naphtha (JP-4): Standing Loss (67000 Bbl. Tank Size)	3.5	-	-	-	-	-	-	-	E3GAL
4-03-011-13	Petroleum Product Storage at Refineries Jet Kerosene: Standing Loss (67000 Bbl. Tank Size)	0.04	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-03-011-15	Petroleum Product Storage at Refineries Distillate Fuel #2: Standing Loss (67000 Bbl. Tank Size)	0.03	-	-	-	-	-	-	-	E3GAL
4-03-012-01	Petroleum Product Storage at Refineries Gasoline RVP 13: Filling Loss	9.6	-	-	-	-	-	-	-	E3GAL
4-03-012-02	Petroleum Product Storage at Refineries Gasoline RVP 10: Filling Loss	7.7	-	-	-	-	-	-	-	E3GAL
4-03-012-03	Petroleum Product Storage at Refineries Gasoline RVP 7: Filling Loss	5.4	-	-	-	-	-	-	-	E3GAL
4-03-012-04	Petroleum Product Storage at Refineries Jet Naphtha (JP-4): Filling Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-03-012-05	Petroleum Product Storage at Refineries Jet Kerosene: Filling Loss	0.025	-	-	-	-	-	-	-	E3GAL
4-03-012-06	Petroleum Product Storage at Refineries Distillate Fuel #2: Filling Loss	0.022	-	-	-	-	-	-	-	E3GAL
4-03-012-07	Petroleum Product Storage at Refineries Benzene: Filling Loss	2.1	-	-	-	-	-	-	-	E3GAL
4-04-001-01	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	30.5	-	-	-	-	-	-	-	E3GAL
4-04-001-02	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	23.4	-	-	-	-	-	-	-	E3GAL
4-04-001-03	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Breathing Loss (67000 Bbl. Capacity) - Fixed Roof Tank	16.5	-	-	-	-	-	-	-	E3GAL
4-04-001-04	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Breathing Loss (250000 Bbl Capacity)-Fixed Roof Tank	22	-	-	-	-	-	-	-	E3GAL
4-04-001-05	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Breathing Loss (250000 Bbl Capacity)-Fixed Roof Tank	16.9	-	-	-	-	-	-	-	E3GAL
4-04-001-06	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Breathing Loss (250000 Bbl Capacity) - Fixed Roof Tank	11.9	-	-	-	-	-	-	-	E3GAL
4-04-001-07	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Working Loss (Diam. Independent) - Fixed Roof Tank	10	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-04-001-08	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Working Loss (Diameter Independent) - Fixed Roof Tank	8.2	-	-	-	-	-	-	-	E3GAL
4-04-001-09	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Working Loss (Diameter Independent) - Fixed Roof Tank	5.7	-	-	-	-	-	-	-	E3GAL
4-04-001-10	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Standing Loss (67000 Bbl Capacity)-Floating Roof Tank	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-11	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Standing Loss (67000 Bbl Capacity)-Floating Roof Tank	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-12	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Standing Loss (67000 Bbl Capacity)- Floating Roof Tank	8.6	-	-	-	-	-	-	-	E3GAL
4-04-001-13	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Standing Loss (250000 Bbl Cap.) - Floating Roof Tank	8.9	-	-	-	-	-	-	-	E3GAL
4-04-001-14	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Standing Loss (250000 Bbl Cap.) - Floating Roof Tank	6.5	-	-	-	-	-	-	-	E3GAL
4-04-001-15	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Standing Loss (250000 Bbl Cap.) - Floating Roof Tank	4.2	-	-	-	-	-	-	-	E3GAL
4-04-001-16	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13/10/7: Withdrawal Loss (67000 Bbl Cap.) - Float Rf Tnk	0.01	-	-	-	-	-	-	-	E3GAL
4-04-001-17	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13/10/7: Withdrawal Loss (250000 Bbl Cap.) - Float Rf Tnk	0.01	-	-	-	-	-	-	-	E3GAL
4-04-001-18	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	9.6	-	-	-	-	-	-	-	E3GAL
4-04-001-19	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	7.7	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-04-001-20	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	5.4	-	-	-	-	-	-	-	E3GAL
4-04-001-31	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Standing Loss - Ext. Floating Roof w/ Primary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-32	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Standing Loss - Ext. Floating Roof w/ Primary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-41	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Standing Loss - Ext. Floating Roof w/ Secondary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-42	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Standing Loss - Ext. Floating Roof w/ Secondary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-52	Petroleum Liquids Storage (non-Refinery) Vapor Collection Losses	5.2	-	-	-	-	-	-	-	E3GAL
4-04-001-53	Petroleum Liquids Storage (non-Refinery) Vapor Control Unit Losses	5	-	-	-	-	-	-	-	E3GAL
4-04-001-61	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Standing Loss - Int. Floating Roof w/ Primary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-62	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Standing Loss - Int. Floating Roof w/ Primary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-71	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Standing Loss - Int. Floating Roof w/ Secondary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-72	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Standing Loss - Int. Floating Roof w/ Secondary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-002-01	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	30.5	-	-	-	-	-	-	-	E3GAL
4-04-002-02	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	23.4	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-04-002-03	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Breathing Loss (67000 Bbl. Capacity) - Fixed Roof Tank	16.5	-	-	-	-	-	-	-	E3GAL
4-04-002-04	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	10	-	-	-	-	-	-	-	E3GAL
4-04-002-05	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	8.2	-	-	-	-	-	-	-	E3GAL
4-04-002-06	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	5.7	-	-	-	-	-	-	-	E3GAL
4-04-002-11	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	9.6	-	-	-	-	-	-	-	E3GAL
4-04-002-12	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	7.7	-	-	-	-	-	-	-	E3GAL
4-04-002-13	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	5.4	-	-	-	-	-	-	-	E3GAL
4-04-002-50	Petroleum Liquids Storage (non-Refinery) Loading Racks	4.8	-	-	-	-	-	-	-	E3GAL
4-04-003-01	Petroleum Liquids Storage (non-Refinery) Fixed Roof Tank: Breathing Loss	36	-	-	-	-	-	-	-	E3GAL
4-04-003-02	Petroleum Liquids Storage (non-Refinery) Fixed Roof Tank: Working Loss	1.1	-	-	-	-	-	-	-	E3GAL
4-04-004-02	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 13: Working Loss	14.9	-	-	-	-	-	-	-	E3GAL
4-04-004-04	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 10: Working Loss	11.9	-	-	-	-	-	-	-	E3GAL
4-04-004-06	Petroleum Liquids Storage (non-Refinery) Gasoline RVP 7: Working Loss	8.3	-	-	-	-	-	-	-	E3GAL
4-04-004-08	Petroleum Liquids Storage (non-Refinery) Crude Oil RVP 5: Working Loss	4.9	-	-	-	-	-	-	-	E3GAL
4-04-004-10	Petroleum Liquids Storage (non-Refinery) Jet Naphtha (JP-4): Working Loss	3.6	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-04-004-12	Petroleum Liquids Storage (non-Refinery) Jet Kerosene: Working Loss	0.04	-	-	-	-	-	-	-	E3GAL
4-04-004-14	Petroleum Liquids Storage (non-Refinery) Distillate Fuel #2: Working Loss	0.03	-	-	-	-	-	-	-	E3GAL
4-05-001-01	Printing/Publishing Dryer	2000	57	-	-	-	-	-	-	TON
4-05-002-01	Printing/Publishing Letter Press: 2751	238	-	-	-	-	-	-	-	TON
4-05-002-02	Printing/Publishing Ink Thinning Solvent (Kerosene)	2000	-	-	-	-	-	-	-	TON
4-05-002-03	Printing/Publishing Ink Thinning Solvents (Mineral Solvents)	2000	-	-	-	-	-	-	-	TON
4-05-002-11	Printing/Publishing Letter Press: 2751	1200	-	-	-	-	-	-	-	TON
4-05-002-12	Printing/Publishing Printing: Letter Press	1.5	-	-	-	-	-	-	-	GAL
4-05-003-01	Printing/Publishing Printing: Flexographic	711	-	-	-	-	-	-	-	TON
4-05-003-02	Printing/Publishing Ink Thinning Solvent (Carbitol)	2000	-	-	-	-	-	-	-	TON
4-05-003-03	Printing/Publishing Ink Thinning Solvent (Cellosolve)	2000	-	-	-	-	-	-	-	TON
4-05-003-04	Printing/Publishing Ink Thinning Solvent (Ethyl Alcohol)	2000	-	-	-	-	-	-	-	TON
4-05-003-05	Printing/Publishing Ink Thinning Solvent (Isopropyl Alcohol)	2000	-	-	-	-	-	-	-	TON
4-05-003-06	Printing/Publishing Ink Thinning Solvent (n-Propyl Alcohol)	2000	-	-	-	-	-	-	-	TON
4-05-003-07	Printing/Publishing Ink Thinning Solvent (Naphtha)	2000	-	-	-	-	-	-	-	TON
4-05-003-11	Printing/Publishing Printing: Flexographic	1910	-	-	-	-	-	-	-	TON
4-05-003-12	Printing/Publishing Printing: Flexographic	4.4	-	-	-	-	-	-	-	GAL
4-05-003-14	Printing/Publishing Printing: Flexographic: Propyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-004-01	Printing/Publishing Lithographic: 2752	198	-	-	-	-	-	-	-	TON
4-05-004-11	Printing/Publishing Lithographic: 2752	1000	-	-	-	-	-	-	-	TON
4-05-004-12	Printing/Publishing Lithographic: 2752	1.24	-	-	-	-	-	-	-	GAL
4-05-004-13	Printing/Publishing Lithographic: Isopropyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-004-14	Printing/Publishing Flexographic: Propyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-005-01	Printing/Publishing Gravure: 2754	711	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-05-005-02	Printing/Publishing Ink Thinning Solvent: Dimethylformamide	2000	-	-	-	-	-	-	-	TON
4-05-005-03	Printing/Publishing Ink Thinning Solvent: Ethyl Acetate	2000	-	-	-	-	-	-	-	TON
4-05-005-06	Printing/Publishing Ink Thinning Solvent: Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON
4-05-005-07	Printing/Publishing Ink Thinning Solvent: Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-05-005-10	Printing/Publishing Ink Thinning Solvent: Toluene	2000	-	-	-	-	-	-	-	TON
4-05-005-11	Printing/Publishing Gravure: 2754	1910	-	-	-	-	-	-	-	TON
4-05-005-12	Printing/Publishing Gravure: 2754	4.4	-	-	-	-	-	-	-	GAL
4-05-005-13	Printing/Publishing Gravure: 2754	12.4	-	-	-	-	-	-	-	GAL
4-05-005-14	Printing/Publishing Gravure: Cleanup Solvent	2000	-	-	-	-	-	-	-	TON
4-05-005-99	Printing/Publishing Ink Thinning Solvent: Other Not Specified	2000	-	-	-	-	-	-	-	TON
4-05-006-01	Printing/Publishing Ink Mixing	2000	-	-	-	-	-	-	-	TON
4-05-007-01	Printing/Publishing Solvent Storage	2000	-	-	-	-	-	-	-	TON
4-06-001-01	Transportation and Marketing of Petroleum Products Gasoline: Splash Loading **	12.4	-	-	-	-	-	-	-	E3GAL
4-06-001-26	Transportation and Marketing of Petroleum Products Gasoline: Submerged Loading **	4.1	-	-	-	-	-	-	-	E3GAL
4-06-001-30	Transportation and Marketing of Petroleum Products Distillate Oil: Submerged Loading **	0.48	-	-	-	-	-	-	-	E3GAL
4-06-001-31	Transportation and Marketing of Petroleum Products Gasoline: Submerged Loading (Normal Service)	5	-	-	-	-	-	-	-	E3GAL
4-06-001-32	Transportation and Marketing of Petroleum Products Crude Oil: Submerged Loading (Normal Service)	2	-	-	-	-	-	-	-	E3GAL
4-06-001-33	Transportation and Marketing of Petroleum Products Jet Naphtha: Submerged Loading (Normal Service)	1.5	-	-	-	-	-	-	-	E3GAL
4-06-001-34	Transportation and Marketing of Petroleum Products Kerosene: Submerged Loading (Normal Services)	0.16	-	-	-	-	-	-	-	E3GAL
4-06-001-35	Transportation and Marketing of Petroleum Products Distillate Oil: Submerged Loading (Normal Service)	0.014	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-06-001-36	Transportation and Marketing of Petroleum Products Gasoline: Splash Loading (Normal Service)	12	-	-	-	-	-	-	-	E3GAL
4-06-001-37	Transportation and Marketing of Petroleum Products Crude Oil: Splash Loading (Normal Service)	5.5	-	-	-	-	-	-	-	E3GAL
4-06-001-38	Transportation and Marketing of Petroleum Products Jet Naphtha: Splash Loading (Normal Service)	4	-	-	-	-	-	-	-	E3GAL
4-06-001-39	Transportation and Marketing of Petroleum Products Kerosene: Splash Loading (Normal Service)	0.04	-	-	-	-	-	-	-	E3GAL
4-06-001-40	Transportation and Marketing of Petroleum Products Distillate Oil: Splash Loading (Normal Service)	0.03	-	-	-	-	-	-	-	E3GAL
4-06-001-41	Transportation and Marketing of Petroleum Products Gasoline: Submerged Loading (Balanced Service)	8	-	-	-	-	-	-	-	E3GAL
4-06-001-42	Transportation and Marketing of Petroleum Products Crude Oil: Submerged Loading (Balanced Service)	3	-	-	-	-	-	-	-	E3GAL
4-06-001-43	Transportation and Marketing of Petroleum Products Jet Naphtha: Submerged Loading (Balanced Service)	2.5	-	-	-	-	-	-	-	E3GAL
4-06-001-44	Transportation and Marketing of Petroleum Products Gasoline: Splash Loading (Balanced Service)	8	-	-	-	-	-	-	-	E3GAL
4-06-001-45	Transportation and Marketing of Petroleum Products Crude Oil: Splash Loading (Balanced Service)	3	-	-	-	-	-	-	-	E3GAL
4-06-001-46	Transportation and Marketing of Petroleum Products Jet Naphtha: Splash Loading (Balanced Service)	2.5	-	-	-	-	-	-	-	E3GAL
4-06-001-47	Transportation and Marketing of Petroleum Products Gasoline: Submerged Loading (Clean Tanks)	4	-	-	-	-	-	-	-	E3GAL
4-06-001-48	Transportation and Marketing of Petroleum Products Crude Oil: Submerged Loading (Clean Tanks)	1.7	-	-	-	-	-	-	-	E3GAL
4-06-001-49	Transportation and Marketing of Petroleum Products Jet Naphtha: Submerged Loading (Clean Tanks)	1.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-06-001-60	Transportation and Marketing of Petroleum Products Kerosene: Submerged Loading (Clean Tanks)	0.017	-	-	-	-	-	-	-	E3GAL
4-06-001-61	Transportation and Marketing of Petroleum Products Distillate Oil: Submerged Loading (Clean Tanks)	0.013	-	-	-	-	-	-	-	E3GAL
4-06-001-62	Transportation and Marketing of Petroleum Products Gasoline: Loaded with Fuel (Transit Losses)	0.01	-	-	-	-	-	-	-	E3GAL
4-06-001-63	Transportation and Marketing of Petroleum Products Gasoline: Return with Vapor (Transit Losses)	0.11	-	-	-	-	-	-	-	E3GAL
4-06-002-31	Transportation and Marketing of Petroleum Products Gasoline: Ship Loading - Cleaned and Vapor Free Tanks	0.7	-	-	-	-	-	-	-	E3GAL
4-06-002-32	Transportation and Marketing of Petroleum Products Gasoline: Ocean Barges Loading	0.7	-	-	-	-	-	-	-	E3GAL
4-06-002-34	Transportation and Marketing of Petroleum Products Gasoline: Ship Loading - Ballasted Tank	1.7	-	-	-	-	-	-	-	E3GAL
4-06-002-35	Transportation and Marketing of Petroleum Products Gasoline: Ocean Barges Loading - Ballasted Tank	1.7	-	-	-	-	-	-	-	E3GAL
4-06-002-36	Transportation and Marketing of Petroleum Products Gasoline: Ship Loading - Uncleaned Tanks	2.6	-	-	-	-	-	-	-	E3GAL
4-06-002-37	Transportation and Marketing of Petroleum Products Gasoline: Ocean Barges Loading - Uncleaned Tanks	2.6	-	-	-	-	-	-	-	E3GAL
4-06-002-38	Transportation and Marketing of Petroleum Products Gasoline: Barges Loading - Uncleaned Tanks	3.9	-	-	-	-	-	-	-	E3GAL
4-06-002-39	Transportation and Marketing of Petroleum Products Gasoline: Tanker Ship - Ballasted Tank Condition	0.8	-	-	-	-	-	-	-	E3GAL
4-06-002-40	Transportation and Marketing of Petroleum Products Gasoline: Barge Loading - Average Tank Condition	3.4	-	-	-	-	-	-	-	E3GAL
4-06-002-41	Transportation and Marketing of Petroleum Products Gasoline: Tanker Ship - Ballasting	1.7	-	-	-	-	-	-	-	E3GAL
4-06-002-42	Transportation and Marketing of Petroleum Products Gasoline: Transit Loss	140	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-06-002-43	Transportation and Marketing of Petroleum Products Crude Oil: Loading Tankers	0.61	-	-	-	-	-	-	-	E3GAL
4-06-002-44	Transportation and Marketing of Petroleum Products Jet Fuel: Loading Tankers	0.5	-	-	-	-	-	-	-	E3GAL
4-06-002-45	Transportation and Marketing of Petroleum Products Kerosene: Loading Tankers	0.005	-	-	-	-	-	-	-	E3GAL
4-06-002-46	Transportation and Marketing of Petroleum Products Distillate Oil: Loading Tankers	0.005	-	-	-	-	-	-	-	E3GAL
4-06-002-48	Transportation and Marketing of Petroleum Products Crude Oil: Loading Barges	1	-	-	-	-	-	-	-	E3GAL
4-06-002-49	Transportation and Marketing of Petroleum Products Jet Fuel: Loading Barges	1.2	-	-	-	-	-	-	-	E3GAL
4-06-002-50	Transportation and Marketing of Petroleum Products Kerosene: Loading Barges	0.013	-	-	-	-	-	-	-	E3GAL
4-06-002-51	Transportation and Marketing of Petroleum Products Distillate Oil: Loading Barges	0.012	-	-	-	-	-	-	-	E3GAL
4-06-002-53	Transportation and Marketing of Petroleum Products Crude Oil: Tanker Ballasting	1.1	-	-	-	-	-	-	-	E3GAL
4-06-002-54	Transportation and Marketing of Petroleum Products Crude Oil: Transit Loss	69.6	-	-	-	-	-	-	-	E3GAL
4-06-002-55	Transportation and Marketing of Petroleum Products Jet Fuel: Transit Loss	57	-	-	-	-	-	-	-	E3GAL
4-06-002-56	Transportation and Marketing of Petroleum Products Kerosene: Transit Loss	0.26	-	-	-	-	-	-	-	E3GAL
4-06-002-57	Transportation and Marketing of Petroleum Products Distillate Oil: Transit Loss	0.26	-	-	-	-	-	-	-	E3GAL
4-06-003-01	Transportation and Marketing of Petroleum Products Splash Filling	11.5	-	-	-	-	-	-	-	E3GAL
4-06-003-02	Transportation and Marketing of Petroleum Products Submerged Filling w/o Controls	7.3	-	-	-	-	-	-	-	E3GAL
4-06-003-05	Transportation and Marketing of Petroleum Products Unloading **	1	-	-	-	-	-	-	-	E3GAL
4-06-003-06	Transportation and Marketing of Petroleum Products Balanced Submerged Filling	0.3	-	-	-	-	-	-	-	E3GAL
4-06-003-07	Transportation and Marketing of Petroleum Products Underground Tank Breathing and Emptying	1	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-06-004-01	Transportation and Marketing of Petroleum Products Vapor Loss w/o Controls	11	-	-	-	-	-	-	-	E3GAL
4-06-004-02	Transportation and Marketing of Petroleum Products Liquid Spill Loss w/o Controls	0.7	-	-	-	-	-	-	-	E3GAL
4-07-004-01	Organic Chemical Storage Acetic Anhydrides: Breathing Loss	1.2	-	-	-	-	-	-	-	E3GAL
4-07-004-02	Organic Chemical Storage Acetic Anhydrides: Working Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-008-01	Organic Chemical Storage N-Butyl Alcohol: Breathing Loss	0.9	-	-	-	-	-	-	-	E3GAL
4-07-008-02	Organic Chemical Storage N-Butyl Alcohol: Working Loss	0.1	-	-	-	-	-	-	-	E3GAL
4-07-008-03	Organic Chemical Storage Sec-Butyl Alcohol: Breathing Loss	2	-	-	-	-	-	-	-	E3GAL
4-07-008-04	Organic Chemical Storage Sec-Butyl Alcohol: Working Loss	0.32	-	-	-	-	-	-	-	E3GAL
4-07-008-05	Organic Chemical Storage Tert-Butyl Alcohol: Breathing Loss	3.6	-	-	-	-	-	-	-	E3GAL
4-07-008-06	Organic Chemical Storage Tert-Butyl Alcohol: Working Loss	0.76	-	-	-	-	-	-	-	E3GAL
4-07-008-07	Organic Chemical Storage Cyclohexanol: Breathing Loss	0.58	-	-	-	-	-	-	-	E3GAL
4-07-008-08	Organic Chemical Storage Cyclohexanol: Working Loss	0.046	-	-	-	-	-	-	-	E3GAL
4-07-008-09	Organic Chemical Storage Ethyl Alcohol: Breathing Loss	2.9	-	-	-	-	-	-	-	E3GAL
4-07-008-10	Organic Chemical Storage Ethyl Alcohol: Working Loss	0.66	-	-	-	-	-	-	-	E3GAL
4-07-008-11	Organic Chemical Storage Isobutyl Alcohol: Breathing Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-008-12	Organic Chemical Storage Isobutyl Alcohol: Working Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-008-13	Organic Chemical Storage Isopropyl Alcohol: Breathing Loss	3.8	-	-	-	-	-	-	-	E3GAL
4-07-008-14	Organic Chemical Storage Isopropyl Alcohol: Working Loss	0.86	-	-	-	-	-	-	-	E3GAL
4-07-008-15	Organic Chemical Storage Methyl Alcohol: Breathing Loss	3.7	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-07-008-16	Organic Chemical Storage Methyl Alcohol: Working Loss	1.07	-	-	-	-	-	-	-	E3GAL
4-07-008-17	Organic Chemical Storage N-Propyl Alcohol: Breathing Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-008-18	Organic Chemical Storage N-Propyl Alcohol: Working Loss	0.3	-	-	-	-	-	-	-	E3GAL
4-07-016-01	Organic Chemical Storage N-Decane: Breathing Loss	0.61	-	-	-	-	-	-	-	E3GAL
4-07-016-02	Organic Chemical Storage N-Decane: Working Loss	0.04	-	-	-	-	-	-	-	E3GAL
4-07-016-03	Organic Chemical Storage N-Dodecane: Breathing Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-016-04	Organic Chemical Storage N-Dodecane: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-016-05	Organic Chemical Storage N-Heptane: Breathing Loss	5.8	-	-	-	-	-	-	-	E3GAL
4-07-016-06	Organic Chemical Storage N-Heptane: Working Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-016-07	Organic Chemical Storage Isopentane: Breathing Loss	57.2	-	-	-	-	-	-	-	E3GAL
4-07-016-08	Organic Chemical Storage Isopentane: Working Loss	16.3	-	-	-	-	-	-	-	E3GAL
4-07-016-09	Organic Chemical Storage Pentadecane: Breathing Loss	0.05	-	-	-	-	-	-	-	E3GAL
4-07-016-10	Organic Chemical Storage Pentadecane: Working Loss	0.0008	-	-	-	-	-	-	-	E3GAL
4-07-016-11	Organic Chemical Storage Naphtha: Breathing Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-016-12	Organic Chemical Storage Naphtha: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL
4-07-016-13	Organic Chemical Storage Petroleum Distillate: Breathing Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-016-14	Organic Chemical Storage Petroleum Distillate: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL
4-07-020-01	Organic Chemical Storage Dodecene: Breathing Loss	0.15	-	-	-	-	-	-	-	E3GAL
4-07-020-02	Organic Chemical Storage Dodecene: Working Loss	0.005	-	-	-	-	-	-	-	E3GAL
4-07-032-01	Organic Chemical Storage Aniline: Breathing Loss	0.24	-	-	-	-	-	-	-	E3GAL
4-07-032-02	Organic Chemical Storage Aniline: Working Loss	0.13	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-07-032-03	Organic Chemical Storage Ethanolamines: Breathing Loss	0.1	-	-	-	-	-	-	-	E3GAL
4-07-032-04	Organic Chemical Storage Ethanolamines: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-032-05	Organic Chemical Storage Ethyleneamines: Breathing Loss	7	-	-	-	-	-	-	-	E3GAL
4-07-032-06	Organic Chemical Storage Ethyleneamines: Working Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-036-01	Organic Chemical Storage Benzene: Breathing Loss	8	-	-	-	-	-	-	-	E3GAL
4-07-036-02	Organic Chemical Storage Benzene: Working Loss	2.25	-	-	-	-	-	-	-	E3GAL
4-07-036-03	Organic Chemical Storage Cresol: Breathing Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-036-04	Organic Chemical Storage Cresol: Working Loss	0.005	-	-	-	-	-	-	-	E3GAL
4-07-036-05	Organic Chemical Storage Cumene: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-036-06	Organic Chemical Storage Cumene: Working Loss	0.16	-	-	-	-	-	-	-	E3GAL
4-07-036-09	Organic Chemical Storage Ethyl Benzene: Breathing Loss	2	-	-	-	-	-	-	-	E3GAL
4-07-036-10	Organic Chemical Storage Ethyl Benzene: Working Loss	0.26	-	-	-	-	-	-	-	E3GAL
4-07-036-11	Organic Chemical Storage Methyl Styrene: Breathing Loss	0.64	-	-	-	-	-	-	-	E3GAL
4-07-036-12	Organic Chemical Storage Methyl Styrene: Working Loss	0.05	-	-	-	-	-	-	-	E3GAL
4-07-036-13	Organic Chemical Storage Styrene: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-036-14	Organic Chemical Storage Styrene: Working Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-036-15	Organic Chemical Storage Toluene: Breathing Loss	3.5	-	-	-	-	-	-	-	E3GAL
4-07-036-16	Organic Chemical Storage Toluene: Working Loss	0.66	-	-	-	-	-	-	-	E3GAL
4-07-036-17	Organic Chemical Storage m-Xylene: Breathing Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-036-18	Organic Chemical Storage m-Xylene: Working Loss	0.23	-	-	-	-	-	-	-	E3GAL
4-07-036-19	Organic Chemical Storage o-Xylene: Breathing Loss	1.5	-	-	-	-	-	-	-	E3GAL
4-07-036-20	Organic Chemical Storage o-Xylene: Working Loss	0.18	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-07-036-21	Organic Chemical Storage p-Xylene: Breathing Loss	1.9	-	-	-	-	-	-	-	E3GAL
4-07-036-22	Organic Chemical Storage p-Xylene: Working Loss	0.24	-	-	-	-	-	-	-	E3GAL
4-07-040-01	Organic Chemical Storage Acetic Acid: Breathing Loss	1.5	-	-	-	-	-	-	-	E3GAL
4-07-040-02	Organic Chemical Storage Acetic Acid: Working Loss	0.24	-	-	-	-	-	-	-	E3GAL
4-07-040-03	Organic Chemical Storage Acrylic Acid: Breathing Loss	0.65	-	-	-	-	-	-	-	E3GAL
4-07-040-04	Organic Chemical Storage Acrylic Acid: Working Loss	0.064	-	-	-	-	-	-	-	E3GAL
4-07-040-05	Organic Chemical Storage Adipic Acid (Soln): Breathing Loss	0.0003	-	-	-	-	-	-	-	E3GAL
4-07-040-07	Organic Chemical Storage Formic Acid: Breathing Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-040-08	Organic Chemical Storage Formic Acid: Working Loss	0.57	-	-	-	-	-	-	-	E3GAL
4-07-040-09	Organic Chemical Storage Propionic Acid: Breathing Loss	0.63	-	-	-	-	-	-	-	E3GAL
4-07-040-10	Organic Chemical Storage Propionic Acid: Working Loss	0.06	-	-	-	-	-	-	-	E3GAL
4-07-044-01	Organic Chemical Storage Butyl Acetate: Breathing Loss	2.4	-	-	-	-	-	-	-	E3GAL
4-07-044-02	Organic Chemical Storage Butyl Acetate: Working Loss	0.34	-	-	-	-	-	-	-	E3GAL
4-07-044-03	Organic Chemical Storage Butyl Acrylate: Breathing Loss	1.59	-	-	-	-	-	-	-	E3GAL
4-07-044-04	Organic Chemical Storage Butyl Acrylate: Working Loss	0.2	-	-	-	-	-	-	-	E3GAL
4-07-044-05	Organic Chemical Storage Ethyl Acetate: Breathing Loss	8.5	-	-	-	-	-	-	-	E3GAL
4-07-044-06	Organic Chemical Storage Ethyl Acetate: Working Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-07-044-07	Organic Chemical Storage Ethyl Acrylate: Breathing Loss	5.2	-	-	-	-	-	-	-	E3GAL
4-07-044-08	Organic Chemical Storage Ethyl Acrylate: Working Loss	1.1	-	-	-	-	-	-	-	E3GAL
4-07-044-11	Organic Chemical Storage Isopropyl Acetate: Breathing Loss	7.3	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-07-044-12	Organic Chemical Storage Isopropyl Acetate: Working Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-044-13	Organic Chemical Storage Methyl Acetate: Breathing Loss	14.4	-	-	-	-	-	-	-	E3GAL
4-07-044-14	Organic Chemical Storage Methyl Acetate: Working Loss	4.8	-	-	-	-	-	-	-	E3GAL
4-07-044-15	Organic Chemical Storage Methyl Acrylate: Breathing Loss	8.2	-	-	-	-	-	-	-	E3GAL
4-07-044-16	Organic Chemical Storage Methyl Acrylate: Working Loss	2.2	-	-	-	-	-	-	-	E3GAL
4-07-044-17	Organic Chemical Storage Methyl Methacrylate: Breathing Loss	3.8	-	-	-	-	-	-	-	E3GAL
4-07-044-18	Organic Chemical Storage Methyl Methacrylate: Working Loss	0.7	-	-	-	-	-	-	-	E3GAL
4-07-044-19	Organic Chemical Storage Vinyl Acetate: Breathing Loss	9.4	-	-	-	-	-	-	-	E3GAL
4-07-044-20	Organic Chemical Storage Vinyl Acetate: Working Loss	2.7	-	-	-	-	-	-	-	E3GAL
4-07-052-09	Organic Chemical Storage Diethylene Glycol: Breathing Loss	0.003	-	-	-	-	-	-	-	E3GAL
4-07-056-03	Organic Chemical Storage Ethylene Glycol: Breathing Loss	0.052	-	-	-	-	-	-	-	E3GAL
4-07-056-04	Organic Chemical Storage Ethylene Glycol: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-056-09	Organic Chemical Storage Propylene Glycol: Breathing Loss	0.007	-	-	-	-	-	-	-	E3GAL
4-07-060-05	Organic Chemical Storage Carbon Tetrachloride: Breathing Loss	17.8	-	-	-	-	-	-	-	E3GAL
4-07-060-06	Organic Chemical Storage Carbon Tetrachloride: Working Loss	5.2	-	-	-	-	-	-	-	E3GAL
4-07-060-07	Organic Chemical Storage Chlorobenzene: Breathing Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-07-060-08	Organic Chemical Storage Chlorobenzene: Working Loss	0.36	-	-	-	-	-	-	-	E3GAL
4-07-060-09	Organic Chemical Storage o-Dichlorobenzene: Breathing Loss	0.69	-	-	-	-	-	-	-	E3GAL
4-07-060-10	Organic Chemical Storage o-Dichlorobenzene: Working Loss	0.05	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-07-060-11	Organic Chemical Storage p-Dichlorobenzene: Breathing Loss	0.82	-	-	-	-	-	-	-	E3GAL
4-07-060-12	Organic Chemical Storage p-Dichlorobenzene: Working Loss	0.06	-	-	-	-	-	-	-	E3GAL
4-07-060-13	Organic Chemical Storage Epichlorohydrin: Breathing Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-07-060-14	Organic Chemical Storage Epichlorohydrin: Working Loss	0.4	-	-	-	-	-	-	-	E3GAL
4-07-060-15	Organic Chemical Storage Ethylene Dibromide: Breathing Loss	4.9	-	-	-	-	-	-	-	E3GAL
4-07-060-16	Organic Chemical Storage Ethylene Dibromide: Working Loss	0.77	-	-	-	-	-	-	-	E3GAL
4-07-060-17	Organic Chemical Storage Ethylene Dichloride: Breathing Loss	8.7	-	-	-	-	-	-	-	E3GAL
4-07-060-18	Organic Chemical Storage Ethylene Dichloride: Working Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-07-060-21	Organic Chemical Storage Perchloroethylene: Breathing Loss	5	-	-	-	-	-	-	-	E3GAL
4-07-060-22	Organic Chemical Storage Perchloroethylene: Working Loss	0.84	-	-	-	-	-	-	-	E3GAL
4-07-060-23	Organic Chemical Storage Trichloroethylene: Breathing Loss	11.1	-	-	-	-	-	-	-	E3GAL
4-07-060-24	Organic Chemical Storage Trichloroethylene: Working Loss	2.9	-	-	-	-	-	-	-	E3GAL
4-07-064-03	Organic Chemical Storage TDI: Breathing Loss	0.044	-	-	-	-	-	-	-	E3GAL
4-07-064-04	Organic Chemical Storage TDI: Working Loss	0.0008	-	-	-	-	-	-	-	E3GAL
4-07-068-01	Organic Chemical Storage Cyclohexanone: Breathing Loss	1.7	-	-	-	-	-	-	-	E3GAL
4-07-068-02	Organic Chemical Storage Cyclohexanone: Working Loss	0.2	-	-	-	-	-	-	-	E3GAL
4-07-076-01	Organic Chemical Storage Acrylonitrile: Breathing Loss	6.1	-	-	-	-	-	-	-	E3GAL
4-07-076-02	Organic Chemical Storage Acrylonitrile: Working Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-080-01	Organic Chemical Storage Nitrobenzene: Breathing Loss	0.43	-	-	-	-	-	-	-	E3GAL
4-07-080-02	Organic Chemical Storage Nitrobenzene: Working Loss	0.027	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-07-084-03	Organic Chemical Storage Phenol: Breathing Loss	0.15	-	-	-	-	-	-	-	E3GAL
4-07-084-04	Organic Chemical Storage Phenol: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL
4-07-172-05	Organic Chemical Storage n-Butyraldehyde: Standing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-172-06	Organic Chemical Storage n-Butyraldehyde: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-172-09	Organic Chemical Storage Isobutyraldehyde: Standing Loss	2.4	-	-	-	-	-	-	-	E3GAL
4-07-172-11	Organic Chemical Storage Propionaldehyde: Standing Loss	3.9	-	-	-	-	-	-	-	E3GAL
4-07-172-12	Organic Chemical Storage Propionaldehyde: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-176-01	Organic Chemical Storage Cyclohexane: Standing Loss	1.47	-	-	-	-	-	-	-	E3GAL
4-07-176-02	Organic Chemical Storage Cyclohexane: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-176-03	Organic Chemical Storage n-Hexane: Standing Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-07-176-04	Organic Chemical Storage n-Hexane: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-176-05	Organic Chemical Storage n-Pentane: Standing Loss	9.4	-	-	-	-	-	-	-	E3GAL
4-07-176-06	Organic Chemical Storage n-Pentane: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-01	Organic Chemical Storage Isoprene: Standing Loss	9.7	-	-	-	-	-	-	-	E3GAL
4-07-180-02	Organic Chemical Storage Isoprene: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-05	Organic Chemical Storage 1-Pentene: Standing Loss	12.6	-	-	-	-	-	-	-	E3GAL
4-07-180-06	Organic Chemical Storage 1-Pentene: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-07	Organic Chemical Storage Piperylene: Standing Loss	6.4	-	-	-	-	-	-	-	E3GAL
4-07-180-08	Organic Chemical Storage Piperylene: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-09	Organic Chemical Storage Cyclopentene: Standing Loss	5.8	-	-	-	-	-	-	-	E3GAL
4-07-180-10	Organic Chemical Storage Cyclopentene: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-07-208-01	Organic Chemical Storage Ethyl Ether: Standing Loss	9.9	-	-	-	-	-	-	-	E3GAL
4-07-208-02	Organic Chemical Storage Ethyl Ether: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-208-03	Organic Chemical Storage Propylene Oxide: Standing Loss	7.8	-	-	-	-	-	-	-	E3GAL
4-07-208-04	Organic Chemical Storage Propylene Oxide: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-220-01	Organic Chemical Storage Carbon Tetrachloride: Standing Loss	3.2	-	-	-	-	-	-	-	E3GAL
4-07-220-02	Organic Chemical Storage Carbon Tetrachloride: Withdrawal Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-220-03	Organic Chemical Storage Chloroform: Standing Loss	4.6	-	-	-	-	-	-	-	E3GAL
4-07-220-04	Organic Chemical Storage Chloroform: Withdrawal Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-220-05	Organic Chemical Storage Ethylene Dichloride: Standing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-220-06	Organic Chemical Storage Ethylene Dichloride: Withdrawal Loss	0.003	-	-	-	-	-	-	-	E3GAL
4-07-220-09	Organic Chemical Storage Trichlorethylene: Standing Loss	0.56	-	-	-	-	-	-	-	E3GAL
4-07-220-10	Organic Chemical Storage Trichlorethylene: Withdrawal Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-228-01	Organic Chemical Storage Acetone: Standing Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-228-02	Organic Chemical Storage Acetone: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-228-03	Organic Chemical Storage Methyl Ethyl Ketone: Standing Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-228-04	Organic Chemical Storage Methyl Ethyl Ketone: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-228-05	Organic Chemical Storage Methyl Isobutyl Ketone: Standing Loss	0.31	-	-	-	-	-	-	-	E3GAL
4-07-228-06	Organic Chemical Storage Methyl Isobutyl Ketone: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-232-01	Organic Chemical Storage Ethyl Mercaptan: Standing Loss	8.2	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-07-232-02	Organic Chemical Storage Ethyl Mercaptan: Withdrawal Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-999-97	Organic Chemical Storage Specify in Comments	1.44	-	-	-	-	-	-	-	TON
4-90-001-01	Organic Solvent Evaporation Petroleum Naphtha (Stoddard)	2000	-	-	-	-	-	-	-	TON
4-90-001-02	Organic Solvent Evaporation Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON
4-90-001-03	Organic Solvent Evaporation Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-90-001-04	Organic Solvent Evaporation Furfural	2000	-	-	-	-	-	-	-	TON
4-90-001-05	Organic Solvent Evaporation Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-001-99	Organic Solvent Evaporation Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-90-002-01	Organic Solvent Evaporation Storage Tank Vent	0.02	-	-	-	-	-	-	-	TON
4-90-002-02	Organic Solvent Evaporation Condenser Vent	3.3	-	-	-	-	-	-	-	TON
4-90-002-03	Organic Solvent Evaporation Incinerator Stack	0.02	-	-	-	-	-	-	-	TON
4-90-002-04	Organic Solvent Evaporation Solvent Spillage	0.2	-	-	-	-	-	-	-	TON
4-90-002-05	Organic Solvent Evaporation Solvent Loading	0.72	-	-	-	-	-	-	-	TON
4-90-002-99	Organic Solvent Evaporation Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-90-003-01	Organic Solvent Evaporation Ethylene Glycol	0.0007	-	-	-	-	-	-	-	EACH
4-90-003-02	Organic Solvent Evaporation Chlorobenzene	0.035	-	-	-	-	-	-	-	EACH
4-90-003-03	Organic Solvent Evaporation o-Dichlorobenzene	0.166	-	-	-	-	-	-	-	EACH
4-90-003-04	Organic Solvent Evaporation Creosote	5.18	-	-	-	-	-	-	-	EACH
4-90-004-01	Organic Solvent Evaporation Acetone	0.69	-	-	-	-	-	-	-	EACH
4-90-004-02	Organic Solvent Evaporation Perchloroethylene	0.474	-	-	-	-	-	-	-	EACH
4-90-004-03	Organic Solvent Evaporation Methyl Methacrylate	0.071	-	-	-	-	-	-	-	EACH
4-90-004-04	Organic Solvent Evaporation Phenol	0.012	-	-	-	-	-	-	-	EACH
4-90-004-05	Organic Solvent Evaporation Propylene Glycol	0.002	-	-	-	-	-	-	-	EACH
4-90-005-01	Organic Solvent Evaporation Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-005-02	Organic Solvent Evaporation Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-005-04	Organic Solvent Evaporation Chloroform	2000	-	-	-	-	-	-	-	TON
4-90-005-99	Organic Solvent Evaporation Specify Solvent in Comments	2000	-	-	-	-	-	-	-	TON
4-90-900-11	Organic Solvent Evaporation Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
4-90-900-12	Organic Solvent Evaporation Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
4-90-900-13	Organic Solvent Evaporation Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
4-90-900-23	Organic Solvent Evaporation Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
4-90-999-99	Organic Solvent Evaporation Identify the Process and Solvent in Comments	2000	-	-	-	-	-	-	-	TON
5-01-001-01	Solid Waste Disposal - Government Starved Air: Multiple Chamber	1.5	3.16	0.299	-	-	3.23	-	0.12	TON
5-01-001-02	Solid Waste Disposal - Government Mass Burn: Single Chamber	0.1	3.6	2.2	-	-	1.7	-	0.18	TON
5-01-001-03	Solid Waste Disposal - Government Refuse Derived Fuel	-	5.02	1.92	-	-	3.9	-	0.201	TON
5-01-001-04	Solid Waste Disposal - Government Mass Burn Refractory Wall Combustor	-	2.46	1.37	-	-	3.46	-	0.213	TON
5-01-001-05	Solid Waste Disposal - Government Mass Burn Waterwall Combustor	-	3.56	0.463	-	-	3.46	-	0.213	TON
5-01-001-06	Solid Waste Disposal - Government Mass Burn Rotary Waterwall Combustor	-	2.25	0.766	-	-	3.46	-	0.213	TON
5-01-001-07	Solid Waste Disposal - Government Modular Excess Air Combustor	-	2.47	-	-	-	3.46	-	0.213	TON
5-01-002-01	Solid Waste Disposal - Government General Refuse	30	6	85	-	-	1	-	-	TON
5-01-002-02	Solid Waste Disposal - Government Vegetation Only	19	4	140	-	-	-	-	-	TON
5-01-004-10	Solid Waste Disposal - Government Waste Gas Destruction: Waste Gas Flares	-	40	750	17	17	-	-	-	E6FT3S
5-01-004-20	Solid Waste Disposal - Government Waste Gas Recovery: Gas Turbines	-	87	230	22	22	-	-	-	E6FT3S
5-01-004-21	Solid Waste Disposal - Government Waste Gas Recovery: Internal Combustion Device	-	250	470	48	48	-	-	-	E6FT3
5-01-004-23	Solid Waste Disposal - Government Waste Gas Recovery: Boiler	-	33	5.7	8.2	8.2	-	-	-	E6FT3
5-01-005-05	Solid Waste Disposal - Government Medical Waste Incinerator, unspecified type, Infectious wastes only	0.3	3.56	2.95	-	-	2.17	-	0.0728	TON
5-01-005-06	Solid Waste Disposal - Government Sludge	1	1.04	7.73	-	-	1	-	0.025	TON
5-01-005-07	Solid Waste Disposal - Government Conical Design (Tee Pee) Municipal Refuse	20	5	60	-	-	2	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
5-01-005-08	Solid Waste Disposal - Government Conical Design (Tee Pee) Wood Refuse	11	1	130	-	-	0.1	-	-	TON
5-01-005-10	Solid Waste Disposal - Government Trench Burner: Wood	19	4	-	-	-	0.1	-	-	TON
5-01-005-11	Solid Waste Disposal - Government Trench Burner: Tires	6	-	-	-	-	-	-	-	TON
5-01-005-12	Solid Waste Disposal - Government Trench Burner: Refuse	13	-	-	-	-	2.5	-	-	TON
5-01-005-15	Solid Waste Disposal - Government Sludge: Multiple Hearth	1.7	5	31	-	-	28	-	0.1	TON
5-01-005-16	Solid Waste Disposal - Government Sludge: Fluidized Bed	-	1.7	2.1	-	-	0.3	-	0.04	TON
5-01-005-17	Solid Waste Disposal - Government Sludge: Electric Infrared	-	8.6	-	-	-	18	-	0.1	TON
5-01-007-01	Solid Waste Disposal - Government Entire Plant	8.9	-	-	-	-	-	19	-	E6GAL
5-02-001-01	Solid Waste Disposal - Commercial/Institutional Multiple Chamber	3	3	10	-	-	2.5	-	-	TON
5-02-001-02	Solid Waste Disposal - Commercial/Institutional Single Chamber	15	2	20	-	-	2.5	-	-	TON
5-02-001-03	Solid Waste Disposal - Commercial/Institutional Controlled Air	-	10	-	-	-	1.5	-	-	TON
5-02-001-04	Solid Waste Disposal - Commercial/Institutional Conical Design (Tee Pee) Municipal Refuse	20	5	60	-	-	2	-	-	TON
5-02-001-05	Solid Waste Disposal - Commercial/Institutional Conical Design (Tee Pee) Wood Refuse	11	1	130	-	-	0.1	-	-	TON
5-02-002-01	Solid Waste Disposal - Commercial/Institutional Wood	19	4	140	-	-	-	-	-	TON
5-02-002-02	Solid Waste Disposal - Commercial/Institutional Refuse	30	6	85	-	-	1	-	-	TON
5-02-003-01	Solid Waste Disposal - Commercial/Institutional Flue Fed	15	3	20	-	-	0.5	-	-	TON
5-02-003-02	Solid Waste Disposal - Commercial/Institutional Flue Fed with Afterburner and Draft Controls	3	10	10	-	-	0.5	-	-	TON
5-02-005-01	Solid Waste Disposal - Commercial/Institutional Med Waste Controlled Air Incin-aka Starved air, 2-stg, or Modular comb	0.299	3.56	2.95	-	-	2.17	-	0.0728	TON
5-02-005-03	Solid Waste Disposal - Commercial/Institutional Medical Waste Rotary Kiln Incinerator	0.0666	4.63	0.382	-	-	1.09	-	0.124	TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
5-02-005-05	Solid Waste Disposal - Commercial/Institutional Medical Waste Incinerator, unspecified type, Infectious wastes only	0.3	3.56	2.95	-	-	2.17	-	0.0728	TON
5-02-005-06	Solid Waste Disposal - Commercial/Institutional Sludge	1	5	-	-	-	1	-	0.1	TON
5-02-006-01	Solid Waste Disposal - Commercial/Institutional Waste Gas Flares ** (Use 5-01-004-10)	5.6	40	750	-	-	-	-	-	E6FT3
5-03-001-01	Solid Waste Disposal - Industrial Multiple Chamber	3	3	10	-	-	2.5	-	-	TON
5-03-001-02	Solid Waste Disposal - Industrial Single Chamber	15	2	20	-	-	2.5	-	0.00181	TON
5-03-001-03	Solid Waste Disposal - Industrial Controlled Air	-	10	-	-	-	1.5	-	-	TON
5-03-001-04	Solid Waste Disposal - Industrial Conical Design (Tee Pee) Municipal Refuse	20	5	60	-	-	2	-	-	TON
5-03-001-05	Solid Waste Disposal - Industrial Conical Design (Tee Pee) Wood Refuse	11	1	130	-	-	0.1	-	-	TON
5-03-001-06	Solid Waste Disposal - Industrial Trench Burner: Wood	-	4	-	-	-	0.1	-	-	TON
5-03-001-07	Solid Waste Disposal - Industrial Trench Burner: Tires	6	-	-	-	-	-	-	-	TON
5-03-001-08	Solid Waste Disposal - Industrial Auto Body Components	-	0.1	2.5	-	-	-	-	-	EACH
5-03-001-09	Solid Waste Disposal - Industrial Trench Burner: Refuse	13	-	-	-	-	2.5	-	-	TON
5-03-001-11	Solid Waste Disposal - Industrial Mass Burn Refractory Wall Combustor	-	2.46	1.37	-	-	3.46	-	0.213	TON
5-03-001-12	Solid Waste Disposal - Industrial Mass Burn Waterwall Combustor	-	3.56	0.463	-	-	3.46	-	0.213	TON
5-03-001-13	Solid Waste Disposal - Industrial Mass Burn Rotary Waterwall Combustor	-	2.25	0.766	-	-	3.46	-	0.213	TON
5-03-001-14	Solid Waste Disposal - Industrial Modular Starved-air Combustor	-	3.16	0.299	-	-	3.23	-	-	TON
5-03-001-15	Solid Waste Disposal - Industrial Modular Excess-air Combustor	-	2.47	-	-	-	3.46	-	0.213	TON
5-03-002-01	Solid Waste Disposal - Industrial Wood/Vegetation/Leaves	-	4	-	-	-	-	-	-	TON
5-03-002-02	Solid Waste Disposal - Industrial Refuse	30	6	85	-	-	1	-	-	TON
5-03-002-03	Solid Waste Disposal - Industrial Auto Body Components	32000	4000	125000	-	-	-	-	0.67	E3TON

SCC	Description	Emission Factor for Pollutant [lb/unit]								Emission Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_X	NH_3	Lead	
5-03-005-05	Solid Waste Disposal - Industrial Hazardous Waste Incinerators: Multiple Hearth	-	3	-	-	-	-	-	-	TON
5-03-005-06	Solid Waste Disposal - Industrial Sludge	1	5	-	-	-	1	-	-	TON
5-03-006-01	Solid Waste Disposal - Industrial Waste Gas Flares	-	40	750	17	17	-	-	-	E6FT3
5-03-007-01	Solid Waste Disposal - Industrial General	4.5	42.6	-	-	-	-	-	-	E3GAL
5-03-008-30	Solid Waste Disposal - Industrial Containers: Fugitive Emissions	222	-	-	-	-	-	-	-	E3EACH

Table C-5: Facility Source Level 2014 Connecticut Point Source Inventory

2014 Site Information:

Site Name: BRIDGEPORT ENERGY LLC EIS ID : 754511 CT ID: SIC Code: 4911
Address : 10 ATLANTIC ST, BRIDGEPORT, CT Latitude: 41.168931 Longitude: -73.184491
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	303(PEAK)HP CATERPILLER DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	3	4	3
P0190	170 MW SIEMENS TURBINE	1.3	75.5	73.4	17.9	17.4	2.4	28.3		11	637	155
P0191	170 MW SIEMENS TURBINE	4.4	83.9	84.3	5.8	4.9	2.7	23.7	0.000	33	629	158

2014 Site Information:

Site Name: BRIDGEPORT INSULATED WIRE CO EIS ID : 14623811 CT ID: SIC Code: 3357
Address : 514 SURF AVE, STRATFORD, CT Latitude: 41.177402 Longitude: -73.150877
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	Miscellaneous Cleaning (MEK)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0002	Magnet Wire Coating Slip Oil Application	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
U0001	MAGNET WIRE COATING	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	1	1	0

2014 Site Information:

Site Name: CONNECTICUT JET POWER, LLC EIS ID : 2722511 CT ID: SIC Code: 4911
Address : SOUND SHORE DR, GREENWICH, CT Latitude: 41.028798 Longitude: -73.598721
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0097	20 MW FT4 TURBINE Unit 13	0.0	1.2	2.9	0.1	0.1	0.0	0.0	0.000	0	31	73
P0098	20 MW FT4 TURBINE Unit 14	0.0	1.4	2.4	0.1	0.1	0.0	0.0	0.000	0	63	106
R0052	P&WA FT4 TURBINE Unit 10	0.0	0.9	2.6	0.1	0.1	0.0	0.0	0.000	0	38	110
R0053	P&WA FT4 TURBINE Unit 11	0.0	0.9	2.1	0.1	0.1	0.0	0.0	0.000	0	65	147
R0054	P&WA FT4 TURBINE Unit 12	0.0	1.2	1.7	0.1	0.1	0.0	0.0	0.000	0	72	103

2014 Site Information:

Site Name: Cray Valley USA, LLC EIS ID : 533411 CT ID: SIC Code: 2869
Address : 105 ONTARIO ST, STRATFORD, CT Latitude: 41.172881 Longitude: -73.149812
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	MISC BLR CB 200-60	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.000	0	1	1
P0112	BATCH PROCESS REACTOR BL2	5.0				0.0		0.0		13		
P0113	BATCH PROCESS REACTOR BL3	5.0				0.0		0.0		13		
R0304	BATCH PROCESS REACTOR BL1&MISC	15.3			1.0	0.0		0.0		39		

2014 Site Information:

Site Name: HAMPFORD RESEARCH INC EIS ID : 589611 CT ID: SIC Code: 2869
Address : 54 VETERANS BLVD, STRATFORD, CT Latitude: 41.195845 Longitude: -73.121738
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0089	BLR CB-200-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0120	ORGNIC SYNTHESIS FAC GRP 1,2,3	7.3	0.0	0.0	0.0				0.000	56		
P0121	CLEAVER BROOKS BOILER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	1
U0002	THINNING SOLVENTS: MC	0.0	0.0	0.0	0.0				0.000	0		

2014 Site Information:

Site Name: IROQUOIS PIPELINE OPERATING CO EIS ID : 14621711 CT ID: SIC Code: 4922
Address : 78 HIGH MEADOW ROAD, BROOKFIELD, CT Latitude: 41.43302 Longitude: -73.377022
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	Station Emergency Shutdown Device Natural Gas Venting	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	112	0	0
E0004	Caterpillar emergency power generator engine	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.000	3	22	16
E0005	Compressor normal seal gas leakage	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	18	0	0
E0006	EU01 Startups, Shutdowns and Malfunctions	0.2	0.0	3.2	0.0	0.0	0.0	0.0	0.000	1	0	19
E0007	EU02 Startups, Shutdowns and Malfunctions	0.3	0.1	5.5	0.0	0.0	0.0	0.0	0.000	2	0	31
P0025	SOLAR TAURUS 60 NG COMPRESSOR (never installed)	0.0	0.0	0.0		0.0		0.0	0.000	0	0	0
P0027	Solar Taurus Model 60 SoLoNOx combustion turbine	0.5	7.8	0.2	4.4	4.4	0.1	0.0	0.000	4	58	1

P0028	Solar Taurus Model 70 SoLoNOx combustion turbine	0.9	7.0	1.1	4.9	4.9	0.2	0.0	0.000	4	34	5

2014 Site Information:

Site Name: KINGSWOOD KITCHENS INC EIS ID : 2722211 CT ID: SIC Code: 2434
Address : 70 BEAVER ST, DANBURY, CT Latitude: 41.39457 Longitude: -73.462905
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	BOILER HB SMITH SERIES 28A-12	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.000	0	1	0
E0003	GLUING (FUGITIVE)	0.0			0.0	0.0		0.0		0		
E0004	SOLVENT CLEANING	0.0			0.0	0.0		0.0		0		
E0005	WOODWORKING/CUTTING OPERATIONS				0.6	0.0		0.0				
P0078	Spray Booth No. 1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000	12	0	0
P0079	Spray Booth No. 7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	10	0	0
P0080	Spray Booth No. 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0083	Spray Booth No. 4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	3	0	0
P0084	SPRAY BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0173	Spray Booth No. 3	2.7			0.0	0.0		0.0		21		
P0174	Spray Booth No. 2	0.2			0.0	0.0		0.0		2		

2014 Site Information:

Site Name: NORWALK HOSPITAL ASSOCIATION. EIS ID : 552411 CT ID: SIC Code: 8062
Address : 24 STEVENS ST, NORWALK, CT Latitude: 41.10848 Longitude: -73.42196
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	300 KW GENERATOR	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0003	CATERPILLAR 3516 C	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0038	CUMMINS VTA12-800GTS DIESEL #1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0039	CUMMINS VTA12-800GTS DIESEL #2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0051	KAWASAKI M1A-13 TURBINE #1	1.2	4.8	2.1	0.6	0.6	0.0	0.0	0.000	0	0	0
P0052	KAWASAKI M1A-13 TURBINE #2	1.3	5.1	2.2	0.6	0.6	0.0	0.0	0.000	0	0	0
P0053	BLR CB 200-500 #1	0.0	1.9	0.3	0.1	0.1	0.0	0.0	0.000	0	11	2
P0054	BLR CB 200-500 #2	0.0	1.9	0.3	0.1	0.1	0.0	0.0	0.000	0	11	2
P0066	CAT 3508 DIESEL	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.000	0	3	1
P0135	CTERPILLAR 3516 B	0.1	1.3	0.2	0.1	0.1	0.0	0.0	0.000	0	4	1
P0164	3MW Caterpillar Natural Gas-Fired Cogeneration Engine	0.0			0.0	0.0	0.0	0.0	0.000	0		
U0001	HEALTH SERVICES: ETO STERILIZA	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: PolyOne Designed Structures and Solutions EIS ID : 588811 CT ID: SIC Code: 3081
Address : 69 SOUTHFIELD AVE, STAMFORD, CT Latitude: 41.035383 Longitude: -73.548618
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	BAKE OVENS 1,2,3, EXHAUST	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.000	0	4	3
E0005	Cleaver Brooks Boiler FLX-900 #2	0.0	0.8	0.7	0.1	0.1	0.0	0.0	0.000	0	8	6
E0010	Cleaver Brooks Boiler FLX-900 #1	0.1	1.0	0.8	0.1	0.1	0.0	0.0	0.000	0	6	5
P0079	ONAN 500 DFFB DIESEL GEN	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	5	159	18
P0156	SCRATCH RESISTANT COATING OP	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.000	0	5	4
R0256	27 POLYMERIZING MACH-EPO PROC	5.8				0.0		0.0		32		
R0257	LIQUID SEAL VACUUM PUMP	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.000	2	2	1

2014 Site Information:

Site Name: PSEG PWR CT LLC/BPT HARBOR STA EIS ID : 754311 CT ID: SIC Code: 4911
Address : 1 ATLANTIC ST, BRIDGEPORT, CT Latitude: 41.168587 Longitude: -73.183378
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	CUMMINGS 98HP JN-130-1P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0003	CUMMINGS H6-1P/101 HP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0004	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
E0005	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0

E0006	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
E0008	SPACE HEATER, MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
P0089	C.E. STEAM GENERATOR #3	15.2	591.3	126.4	11.1	3.7	921.7	0.4	0.001	24	963	200
R0166	P&WA FT4A-8 TURBINE	0.0	4.3	0.0	0.1	0.1	0.5	0.0	0.000	0	5	0

2014 Site Information:

Site Name: SIKORSKY AIRCRAFT EIS ID : 642511 CT ID: SIC Code: 3721
Address : 6900 MAIN ST, STRATFORD, CT Latitude: 41.24679 Longitude: -73.097604
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	COLD CLEANING TANKS	0.3				0.0		0.0		2		
E0002	CAT 3406 FIRE PUMPS (4)	0.1	0.7	0.2	0.0	0.0	0.0	0.0		1	6	1
E0003	DEPAINTING-PLAST. MEDIA BLAST				0.0	0.0		0.0				
E0005	SOLUTION TANK GN276-NITAL ETCH	0.0				0.0		0.0		0		
E0006	CAT 3412 DIESEL GEN OR REPLACEMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	3	0
P0035	FINISHES BLDG VH PROG #2	0.5			0.0	0.0		0.0		2		
P0036	FINISHES BLDG CELL #1	0.2			0.0	0.0		0.0		1		
P0037	FINISHES BLDG CELL #3	0.4			0.0	0.0		0.0		2		
P0038	FINISHES SMALL PARTS	0.5			0.0	0.0		0.0		3		
P0077	FINISHES BLDG VH #4 PAINT BOOTH	0.1			0.0	0.0		0.0		1		
P0078	BLADE SHOP #1 PAINTING OPS	2.5	0.0	0.0	0.0	0.0		0.0	0.000	12	0	0
P0117	FIXED ROOF STORAGE TANK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

P0128	DYESCAN PAINT BOOTH	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0129	Cogeneration Facility Turbine and Duct Burner	4.0	2.9	2.5	10.0	10.0	0.3	0.7	0.000	25	18	15
R0016	BLR WICKES #4	0.1	2.3	1.0	0.1	0.1	0.0	0.0	0.000	0	4	2
R0017	BLR WICKES #3	0.1	0.6	1.0	0.1	0.1	0.0	0.0	0.000	0	0	1
R0018	BLR WICKES #2	0.1	0.8	1.4	0.2	0.2	0.0	0.1	0.000	0	1	1
R0019	BLR WICKES #1	0.1	0.8	1.4	0.1	0.1	0.0	0.1	0.000	0	0	1
U0003	LARGE AIRCRAFT COATING: MISC.	1.3			0.0	0.0		0.0		8		
U0006	MISC VOC SOURCES	15.5				0.0		0.0		103		

2014 Site Information:

Site Name: Sprague Operating Resources, LLC EIS ID : 754211 CT ID: SIC Code: 5171
Address : 250 EAGLES NEST RD, BRIDGEPORT, CT Latitude: 41.165946 Longitude: -73.166694
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	TANK #21- DISTILLATE	0.4				0.0		0.0		2		
E0002	TANK #30 ADDITIVE (GAS)	0.0				0.0		0.0		0		
E0003	TANK# 34-ADDITIVE(DIESEL)	0.0				0.0		0.0		0		
E0004	TANK# 33 ADDITIVE (DIESEL)	0.0				0.0		0.0		0		
E0005	TANK# 32-ADDITIVE(GAS)	0.0				0.0		0.0		0		
E0006	TANK# 20 (DISTILLATE)	0.4				0.0		0.0		2		
E0007	TANK# 22 (DISTILLATE)	0.4				0.0		0.0		2		
E0008	TANK# 23 (DISTILLATE)	0.3				0.0		0.0		2		

E0009	TANK# 24 (DISTILLATE)	0.2				0.0		0.0		2		
E0010	TANK# 25 -ADDITIVE (GAS)	0.0				0.0		0.0		0		
E0011	TANK#31-DISTILLATE	0.0				0.0		0.0		0		
E0012	TANK#37-ADDITIVE (DIESEL)	0.0				0.0		0.0		0		
E0013	TANK#38-ADDITIVE (GAS)	0.0				0.0		0.0		0		
E0014	TANK RVP BLEND-DOWN ACTIVITIES	0.0				0.0		0.0		0		
E0015	Stack #17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0016	Fugitive VOC Losses From Pumps/Valves/Flanges	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.000	5	0	0
E0017	Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0168	TRUCK LOAD RACK - DIST (4)	0.1				0.0		0.0		1		
P0733	TRUCK LOADING RACK - GASOLINE	8.6				0.0		0.0		72		
R0734	TANK #11 - MNL GASOLINE	0.0				0.0		0.0		0		
R0735	TANK #12 - GASOLINE	8.1				0.0		0.0		28		
R0736	TANK #14 - FUEL ETHANOL	0.5				0.0		0.0		3		
R0737	TANK #15 - GASOLINE	3.7				0.0		0.0		10		
R0738	TANK #16- DISTILLATE	0.0				0.0		0.0		0		
R0952	TANK #18 - GASOLINE	7.6				0.0		0.0		29		
R0953	TANK #19 - DISTILLATE	0.0				0.0		0.0		0		
R0954	TANK #17 - GASOLINE	6.0				0.0		0.0		28		
U0001	DISTILLATE SPLASHLOADING-BARGE					0.0		0.0				

2014 Site Information:

Site Name: STRATFORD SCHOOL FOR AVIATION EIS ID : 14623911 CT ID: SIC Code: 8249
Address : 200 GREAT MEADOW RD, STRATFORD, CT Latitude: 41.161808 Longitude: -73.133437
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	SPRAY BOOTH	0.0			0.0	0.0		0.0		0		
E0004	Cleaning Operation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
E0005	Natural Gas Sources	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
P0122	AEROSPACE ENGINE TEST CELL	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
P0123	AEROSPACE ENGINE TEST CELL	0.0	0.0	0.1	0.0	0.0	0.0	0.0		0	0	4

2014 Site Information:

Site Name: WATERSIDE POWER LLC EIS ID : 14623611 CT ID: SIC Code: 4911
Address : 17 AMELIA PL, STAMFORD, CT Latitude: 41.03816 Longitude: -73.554505
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0009	PORTABLE FUEL TANK FOR GENERATOR	0.0				0.0		0.0		0		
E0010	1250 KW Cummins QSK45-64 Tier 1 Black Start Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	5	1
E0011	Tank #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0012	Tank #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0228	GE TM2500 TURBINE 23.2 MW	0.0	2.2	0.0	0.1	0.1	0.0	0.0	0.000	0	175	3
P0229	GE TM2500 TURBINE 23.2 MW	0.0	1.0	0.0	0.1	0.1	0.0	0.0	0.000	0	104	1

P0230	GE TM2500 TURBINE 23.2 MW	0.0	2.8	0.0	0.1	0.1	0.0	0.0	0.000	0	80	1
P0240	1000 KW BLACK START ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: WHEELABRATOR BRIDGEPORT LP EIS ID : 754411 CT ID: SIC Code: 4953
Address : 6 HOWARD AVE, BRIDGEPORT, CT Latitude: 41.157711 Longitude: -73.215788
County : FAIRFIELD Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	SPECTRUM DIESEL EMERG GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	2	0
E0003	ASH CONDITIONER/HANDLING SYS				0.5	0.0		0.0				
E0004	CAT DIESEL EMERG FIRE ENG	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	1	0
E0005	LIME SLAKERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0006	LIME SILO W/FAB FILT VENT				0.1	0.0		0.0				
E0010	CARBON SILO W/FAB FILTER VENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0011	COOLING TOWER	0.0	0.0	0.0	29.6	29.6	0.0	0.0	0.000	0	0	0
P0097	B&W RES RECOV INCIN #1	2.5	413.2	19.6	1.5	1.3	33.4	0.3	0.000	15	2,431	115
P0098	B&W RES RECOV INCIN #2	2.6	415.2	17.6	1.1	1.0	35.6	0.4	0.000	15	2,400	101
P0099	B&W RES RECOV INCIN #3	2.6	427.0	15.5	1.8	1.6	47.3	0.2	0.002	15	2,446	89

2014 Site Information:

Site Name: ALGONQUIN POWER WINDSOR LOCKS EIS ID : 589711 CT ID: SIC Code: 4911
Address : 26 CANAL BANK RD, WINDSOR LOCKS, CT Latitude: 41.92341 Longitude: -72.626611
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0029	GE PB6541B GAS TURBINE	1.2	9.5	5.2	0.9	0.9	2.8	0.0	0.000	4	21	16
P0031	BLR NEBRASKA TYPE A #1	0.6	11.2	8.4	0.5	0.5	0.1	0.3	0.000	2	45	34
P0032	BLR NEBRASKA TYPE A #2	0.4	9.7	6.6	0.4	0.4	1.1	0.3	0.000	3	60	45
P0116	SOLAR TITAN 130 GAS TURBINE	0.1	3.3	0.8	9.3	9.3	0.9	1.3	0.000	0	17	4

2014 Site Information:

Site Name: C R R A / HARTFORD LANDFILL EIS ID : 14624511 CT ID: SIC Code: 9511
Address : 180 LEIBERT RD, HARTFORD, CT Latitude: 41.785269 Longitude: -72.653375
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	GENERAC SD150 Emer Gen	0.1	0.6	0.1	0.0	0.0	0.0	0.0	0.000	11	112	24
P0120	LFG SPEC EF735I10 ENCL FLARE	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	9	2

2014 Site Information:

Site Name: C R R A / MID-CONNECTICUT EIS ID : 715611 CT ID: SIC Code: 4953
Address : RESERVE-MAXIM RDS, HARTFORD, CT Latitude: 41.747446 Longitude: -72.653551
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO

P0044	C.E. VU-40 INCIN #1	2.1	244.5	101.2	1.9	1.9	12.8	3.0	0.010	12	1,452	588
P0045	C.E. VU-40 INCIN #2	2.2	257.5	115.8	4.2	4.2	17.2	4.8	0.014	13	1,571	690
P0046	C.E. VU-40 INCIN #3	2.1	242.8	129.4	5.3	5.3	12.7	1.1	0.009	12	1,440	723
R0260	P&W FT4A-9 TURBINE 11A	0.0	3.0	0.0	0.2	0.2	0.0	0.2	0.000	0	178	1
R0261	P&W FT4A-9 TURBINE 11B	0.0	2.9	0.0	0.0	0.0	0.0	0.2	0.000	0	172	1
R0262	P&W FT4A-9 TURBINE 12A	0.0	2.5	0.0	0.1	0.1	0.0	0.2	0.000	0	108	0
R0263	P&W FT4A-9 TURBINE 12B	0.0	2.3	0.0	0.1	0.1	0.0	0.2	0.000	0	99	0
R0264	P&W FT4A-9 TURBINE 13A	0.0	2.6	0.0	0.1	0.1	0.0	0.2	0.000	0	239	1
R0265	P&W FT4A-9 TURBINE 13B	0.0	2.3	0.0	0.1	0.1	0.0	0.2	0.000	0	218	1
R0266	P&W FT4A-9 TURBINE 14A	0.0	2.4	0.0	0.1	0.1	0.0	0.2	0.000	0	103	0
R0267	P&W FT4A-9 TURBINE 14B	0.0	2.3	0.0	0.1	0.1	0.0	0.2	0.000	0	83	0

2014 Site Information:

Site Name: Capitol District Energy Center Cogeneration Associates EIS ID : 844911 CT ID: SIC Code: 4911
Address : 490 CAPITOL AVE, HARTFORD, CT Latitude: 41.760827 Longitude: -72.691555
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	BLR 2 CLEAVER BROOKS CBI-400-800-200	0.1	1.9	1.1	0.3	0.3	0.0	0.0	0.000	1	10	6
P0064	GE PG6531 GAS TURB & DUCT BRNR	0.1	18.1	1.2	1.6	1.6	0.0	0.0	0.000	2	349	53
P0065	BLR ZURN 22M KEYSTONE	0.3	2.6	1.6	0.4	0.4	0.0	0.0	0.000	0	0	0
P0150	DETROIT 12V-71-IT DIESEL	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	4	1
P0329	FUEL OIL TANKS #1,#2,#3,#4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: CITGO PETROLEUM CORP EIS ID : 2753711 CT ID: SIC Code: 5171
Address : 109 DIVIDEND RD, ROCKY HILL, CT Latitude: 41.652458 Longitude: -72.632987
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0012	LOADING RACK & VAPOR COMBUSTER	9.4	1.6	4.1						0	0	0
P0013	TANK #4 - UNLEADED GAS	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.000	35	0	0
P0014	TANK #3 - ETHANOL	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
R0014	TANK(EXT)#2-UNLD GAS	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	10	0	0
R0015	TANK(EXT)#1-UNL GAS/PREMIUM	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	11	0	0

2014 Site Information:

Site Name: COVANTA BRISTOL, INC EIS ID : 588711 CT ID: SIC Code: 4953
Address : 170 ENTERPRISE DR, BRISTOL, CT Latitude: 41.647154 Longitude: -72.916559
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0026	MARTIN/ZURN INCIN #1	1.1	104.4	23.9	0.5	0.0	15.0	0.9	0.002	6	621	86
P0027	MARTIN/ZURN INCIN #2	1.1	163.4	9.8	1.3	0.0	15.3	0.3	0.005	6	963	43

2014 Site Information:

Site Name: CTG Resources EIS ID : 2753811 CT ID: SIC Code: 4924
Address : 1376 CROMWELL AVE, ROCKY HILL, CT Latitude: 41.631839 Longitude: -72.68176
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	Parts Washer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0003	Generac MG-400 #1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0004	Generac MG-400 #2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0003	HISPANO SUIZA #1203 TURBINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0011	LNG VAPORIZER 24-30-N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0015	LNG VAPORIZER 24-30-S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0077	LNG VAPORIZER 36-48-E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0005	WHITE NG RECIP ENG 6G-825	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0032	SOLAR TURBINE GS-350 #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0034	SOLAR TURBINE GS-350 #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: HAMILTON SUNDSTRAND CORP EIS ID : 753011 CT ID: SIC Code: 3728
Address : 1 HAMILTON RD, WINDSOR LOCKS, CT Latitude: 41.923816 Longitude: -72.69051
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	STAHL AIR HEATER F26A 'F'	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0

E0042	1MW Black Start Emergency Engine A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	6	1
E0043	1MW Black Start Emergency Engine B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	3	0
E0044	Experimental Nitrous Oxide Cooling Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0039	CUMMINS 200KW DIESEL	0.0	0.1	0.0	0.0	0.0	0.0	0.0		2	19	4
P0043	ALUMINUM COATING PROCESS	0.8			0.0	0.0		0.0		5		
P0044	4 SPRAY BOOTHS	0.0			0.0	0.0		0.0		0		
P0047	ENGINE TEST CELL E P-0047	0.0	0.0	0.0		0.0	0.0	0.0		0	0	0
P0058	1A EMERGENCY GEN 500KW	0.0	0.2	0.0	0.0	0.0	0.0	0.0		3	40	9
P0085	BINKS SPRAY BOOTH #1/ELEC OVEN	0.2	0.0	0.0	0.0	0.0		0.0	0.000	2	0	0
P0086	BINKS SPRAY BOOTH #2/ELEC OVEN	0.0	0.0	0.0	0.0	0.0		0.0	0.000	0	0	0
P0110	BINKS SPRAY BOOTH P-0110	0.0			0.0	0.0		0.0		0		
P0115	Cogeneration Facility P115	0.6	2.0	0.9	4.1	4.1	0.2	4.3	0.000	3	11	4
R0052	BLR RILEY #1	0.0	0.8	0.5	0.0	0.0	0.0	0.0	0.000	0	3	2
R0053	BLR RILEY #2	0.0	0.7	0.5	0.0	0.0	0.0	0.0	0.000	0	5	3
R0054	BLR RILEY #3	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.000	0	1	1
R0059	BLR CB 760-500, B3 #2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
R0060	BLR CB 760-500, B3 #1	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.000	0	0	0
R0094	JET ENG, TEST CELL D	0.0	0.0	0.0		0.0	0.0	0.0		0	0	0
R0097	JET ENG,HLTP ALLISON	0.0	0.0	0.0		0.0	0.0	0.0		0	0	0
U0005	THINNING SOLVENTS: ISOPROPYL A	2.6				0.0		0.0		13		
U0006	THINNING SOLVENTS: METHYL ALCO	0.1				0.0		0.0		0		

U0007	THINNING SOLVENTS: MEK	0.3	0.0	0.0	2
U0008	THINNING SOLVENTS: MINERAL SPI	7.4	0.0	0.0	24
U0009	THINNING SOLVENTS: TOLUENE	0.2	0.0	0.0	1
U0010	UNREG MISC VOC EVAP	1.3	0.0	0.0	7

2014 Site Information:

Site Name: M D C /HARTFORD WPCF EIS ID : 552311 CT ID: SIC Code: 4952
Address : 240 BRAINARD RD, HARTFORD, CT Latitude: 41.729398 Longitude: -72.651804
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	WASTEWATER TREATMENT	8.5				0.0		182.9		62		
E0003	SLUDGE PROC BLDG	0.4				0.0		1.7		3		
E0005	BOILER IN ADMIN BLDG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0006	SIX SMALL BOILERS	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.000	0	0	0
E0007	TWO RESIDENTIAL BOILERS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0008	GASOLINE FIRED ENGINES	0.0	0.0	0.8	0.0	0.0	0.0	0.0		14	10	395
E0016	CATERPILLER XQ350 PORTABLE GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0023	CATERPILLAR C32 UV EM. ENGINE	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0006	NICHOLS MULTI-HEARTH SSI #1N	0.4	10.5	22.6	0.7	0.7	1.8	0.2	0.001	0	109	234
P0007	NICHOLS MULTI-HEARTH SSI #2C	1.1	4.3	58.5	0.4	0.4	0.8	0.1	0.000	18	84	1,160
P0008	NICHOLS MULTI-HEARTH SSI #3S	0.7	10.5	35.3	1.1	1.1	1.4	0.0	0.000	0	104	348
P0212	CATERPILLAR 3412 EM. ENGINE	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	0	0

P0213	CATERPILLAR 3406 EM. ENGINE #1	0.1	1.1	0.1	0.1	0.1	0.1	0.0	0	2	0
P0214	CATERPILLAR 3406 EM. ENGINE #2	0.3	3.9	0.3	0.3	0.2	0.3	0.0	1	14	1
P0215	CATERPILLAR 3406 EM. ENGINE #3	0.4	5.5	0.4	0.4	0.3	0.4	0.0	1	13	1
P0216	CATERPILLAR 3406 EM. ENGINE #4	0.4	5.2	0.3	0.4	0.3	0.3	0.0	1	11	1
P0217	CATERPILLAR 3406 EM. ENGINE #5	0.3	4.2	0.3	0.3	0.2	0.3	0.0	1	10	1

2014 Site Information:

Site Name: Manchester Landfill Premises EIS ID : 14622811 CT ID: SIC Code: 4953
Address : 1 LANDFILL WAY, MANCHESTER, CT Latitude: 41.76909 Longitude: -72.568551
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	EXTERNAL COMBUSTION GEU 1&2	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.000	0	0	0
E0002	LPG EXTERNAL COMBUSTION GEU 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
E0003	GRANGE BOILER EU 48 & JENNY PW EU 84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0004	BOILERS W/DIGEST GAS EMU 49&50	0.0	0.2	0.2	0.0	0.0	0.1	0.0	0.000	0	1	1
E0005	Waukesha F2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0007	DIGESTER BLDG FLARE	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.000	0	0	0
E0008	EMERGENCY GENERATORS	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.000	2	49	9
E0009	SEWAGE TREATMENT PLANT	3.4				0.0		21.4		18		
E0010	LIME SILO & BAGHOUSE				0.0	0.0		0.0				
E0011	GASOLINE STORAGE TANK	0.1				0.0		0.0		0		
E0012	VEHICLE REF DIESEL FUEL PUMPS	0.0				0.0		0.0		0		

E0013	STORAGE TANKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0014	COLD CLEANING TANKS	0.6				0.0		0.0		3		
E0015	GASOLINE STAGE II PUMP	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0016	WELDING HOOD				0.0	0.0		0.0	0.000			
E0017	FUGITIVE NMOC EMISSIONS FROM LANDFILL	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.000	4	0	0
P0114	LFG FLARE & COLLECTION SYSTEM	0.0	0.6	0.5	0.4	0.4	1.9	0.0	0.000	0	4	3

2014 Site Information:

Site Name: PRATT & WHITNEY DIV UTC EIS ID : 2673411 CT ID: SIC Code: 3724
Address : 400 MAIN ST (MAIN PLANT), EAST HARTFORD, CT Latitude: 41.747125 Longitude: -72.637929
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0004	M & ME SPRAY BOOTH BT535911	0.0	0.0		0.0	0.0		0.0		0		
E0005	M & ME SPRAY BOOTH BT530020	0.0			0.0	0.0		0.0		0		
E0007	GMPC SPRAY BOOTH E000488	0.0			0.0	0.0		0.0		0		
E0010	EMER ENGINES (NOT 3B)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.000	2	14	20
E0011	CATERPILLAR EMERG ENG 474914	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	18	5
E0012	KOHLER EMERG GEN BT347250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	2	3
E0014	KOHLER EMERG GEN 474922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	2	3
E0015	COLD CLEANING TANKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0016	BURNER RIGS TESTING	0.0	0.6	0.1	0.1	0.0	0.3	0.0	0.000	0	28	6
E0295	TEST CELL NO. X-7	0.0	20.4	2.2	0.0	0.0	0.2	0.0	0.000	0	408	41

E0296	TEST CELL NO. X-8	0.0	4.1	0.4	0.0	0.0	0.0	0.0	0.000	0	132	13
E0382	HFB BN Spray Booth 545028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0383	Spray Booth ATR Ind. 545692	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0384	Spray Booth Heat Transfer 664939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0049	FT-8 COGENERATION GAS TURBINE	0.0	0.7	0.6	0.3	0.3	0.0	0.3	0.000	0	22	18
P0055	BT 541382 BT 539823	0.0			0.0	0.0		0.0	0.000	0		
P0065	GMPC SPRAY BOOTH BT539153	0.0			0.0	0.0		0.0		0		
P0066	GMPC SPRAY BOOTH BT539154	0.0			0.0	0.0		0.0	0.000	0		
P0081	GM/DETROIT DIESEL FIRE PUMP BT417497	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
P0086	HFB SPRAY BOOTH BT 472346	0.0			0.0	0.0		0.0		0		
P0098	CUMMINS EMERG GEN BT470993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	4	6
P0121	HFB SPRAY BOOTH EHRO BT 816461	0.1			0.0	0.0		0.0	0.000	1		
P0122	SPEC. COAT SPRAY BOOTH 541784	0.0			0.0	0.0		0.0		0		
P0124	SPEC. COAT SPRAY BOOTH 244095	0.0			0.0	0.0		0.0		0		
P0132	HVOF PLASMA SPRAY BOOTH 542073				0.0	0.0		0.0				
P0133	CANMC STC PB 02 SPRAY BOOTH 545255	0.0			0.0	0.0		0.0		0		
R0019	X7 INLET AIR HEATER	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.000	1	10	9
R0020	X8 INLET AIR HEATER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0039	BLR UNION WT-VO #6	0.8	25.0	12.2	1.3	1.2	0.1	0.5	0.000	9	283	140
R0041	BLR UNION WT-VO #8	0.6	17.5	9.8	0.9	0.9	0.1	0.4	0.000	4	102	57
R0042	BLR UNION WT-VO #9	0.8	22.5	11.8	1.1	1.1	0.1	0.5	0.000	9	253	133

U0004	THIN SOLV: IPA PMC 9094	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.000	23	0	0
U0014	SPRAY GUN CLEANING PMC 9060	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: STANLEY TOOLS DIV EIS ID : 918811 CT ID: SIC Code: 3423
Address : 600 MYRTLE ST, NEW BRITAIN, CT Latitude: 41.666558 Longitude: -72.798224
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	BLR IBW BF350C-W12 #1	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.000	0	0	0
E0002	BLR IBW BF350C-W12 #2	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.000	0	0	0
E0003	ADHESIVE CLEANING TANK	0.3				0.0		0.0		1		
E0006	OFF-SET PRINTERS	0.0				0.0		0.0		0		
E0007	4 MTL COIL LAMINATORS/GAS OVEN	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.000	0	4	3
E0011	NATURAL GAS CRACKING UNITS	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.000	0	2	2
E0013	HARDENING AND TEMPERING LINE	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.000	0	3	3
E0014	HEAT TREAT LINE (Furnace #95)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0019	COLD FORMING MACHINES	2.0				0.0		0.0		8		
E0020	TRIM KNIFE BLADE UNITS	0.1				0.0		0.0		0		
E0024	Parts Washer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0025	Carbide Application	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0012	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	79	0	0
P0013	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	79	0	0

P0019	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000	61	0	0
U0001	Water Based Cleaning Unit	0.0				0.0		0.0		0		
U0002	REVERSE ROLL COATING LINE #1 W/GAS OVEN	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.000	3	1	1

2014 Site Information:

Site Name: SUPREME LAKE MFG CO EIS ID : 2673711 CT ID: SIC Code: 3451
Address : 455 ATWATER ST, SOUTHINGTON, CT Latitude: 41.582873 Longitude: -72.898235
County : HARTFORD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0047	ULTRAKOOL VAPOR DEGREASER	0.0				0.0		0.0		0		
U0002	OPEN-TOP VAPOR DEGREASING: MC	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: Albea Metal Americas Inc. EIS ID : 587911 CT ID: SIC Code: 3469
Address : 1 Seemar Road, WATERTOWN, CT Latitude: 41.614114 Longitude: -73.088047
County : LITCHFIELD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	CB BOILER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0002	HEATERS	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	0	0
E0003	UV Curing - Resin Surface Coating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0014	ACE 230TLG BURNOFF OVEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0015	SPRAYLINE 2,3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0

2014 Site Information:

Site Name: Braxton Manufacturing Company, Inc. EIS ID : 2711411 CT ID: SIC Code: 3965
Address : 858 Echo Lake Road, WATERTOWN, CT Latitude: 41.605952 Longitude: -73.084688
County : LITCHFIELD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0073	Ultra-Kool Cold Trap Plus Batch Vapor Degreaser	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: Connecticut Jet Power LLC, Franklin Drive EIS ID : 16712111 CT ID: SIC Code: 4911
Address : Franklin Drive, TORRINGTON, CT Latitude: 41.797493 Longitude: -73.121119
County : LITCHFIELD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
R0067	P&WA FT4-8 TURBINE	0.0	3.8	0.0	0.0	0.0	0.0		0.000	0	0	0

2014 Site Information:

Site Name: Connecticut Jet Power LLC, Torrington Terminal EIS ID : 16708411 CT ID: SIC Code: 4911
Address : South Main Street, TORRINGTON, CT Latitude: 41.791172 Longitude: -73.1201
County : LITCHFIELD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
R0068	P&WA FT4A-8 TURBINE	0.0	3.3	0.0	0.0	0.0	0.0		0.000	0	0	0

2014 Site Information:

Site Name: KIMBERLY-CLARK CORP EIS ID : 845911 CT ID: SIC Code: 2621
Address : 58 PICKETT DISTRICT RD, NEW MILFORD, CT Latitude: 41.556876 Longitude: -73.4099
County : LITCHFIELD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0004	MULTIFOLDER #1				0.0	0.0		0.0				
E0005	MULTIFOLDER #2				0.0	0.0		0.0				
E0006	POCKET PACK LINES				0.0	0.0		0.0				
E0007	INK PRINTING OPERATIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0010	FIRE PUMP #1 - RIVER	0.0	0.2	0.0	0.0	0.0	0.0	0.0		0	1	0
E0011	FIRE PUMP #2 - SOUTH	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	1	0
E0012	FIRE PUMP #3 - NORTH	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	0	0
E0013	RAW WATER TREATMENT PLANT - CHEMICALS USED	1.9				0.0		0.0		10		
E0014	EFFLUENT TREATMENT PLANT - CHEMICALS USED	3.8				0.0		0.0		19		
E0015	EMERGENCY GENERATOR #1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0016	EMERGENCY GENERATOR #2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0017	EMERGENCY GENERATOR FOR FIRE PROTECTION WATER BED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	2	1
P0014	TISSUE MACHINE #2 HOOD BURNERS	0.7	0.7	5.0	0.3	0.3	0.0	0.0	0.000	3	3	23
P0026	TISSUE MACHINE #1 HOOD BURNERS	0.8	0.8	6.1	0.3	0.3	0.0	0.0	0.000	4	4	32
P0029	TISSUE MACHINES #1 AND #2, PROCESS	3.0			7.7	7.7		0.0		16		
P0033	OFF-LINE PRINTER/WINDER #1	4.7	0.0	0.0	0.2	0.2	0.0	0.0	0.000	24	0	0

P0070	COMBUSTION TURBINE #1 W/SUPP BURNER	0.7	6.7	4.6	6.1	6.1	1.0	4.8	0.000	4	36	25
P0071	COMBUSTION TURBINE #2	0.6	34.5	3.9	5.1	5.1	0.9	0.0	0.000	3	187	21
R0019	BOILER #3	0.0	1.0	0.4	0.0	0.0	0.0	0.0	0.000	0	4	2
U0001	COLD CLEANER MAINTENANCE PARTS	0.1				0.0		0.0		1		
U0002	TOWEL PRINTER/WINDER	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: WASTE MANAGEMENT OF CT INC EIS ID : 2673811 CT ID: SIC Code: 4953
Address : 182-2 DANBURY RD, NEW MILFORD, CT Latitude: 41.550854 Longitude: -73.430431
County : LITCHFIELD Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0021	MCGILL BFT-1650 FLARE	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	0	1
P0064	CAT #G3516 ENGINE 1	0.2	6.9	11.2	0.2	0.2	0.5	0.0		1	51	83
P0068	CAT #G3516 ENGINE 2	0.1	5.6	8.7	0.2	0.2	0.4	0.0		0	17	26
P0069	CAT #G3516 ENGINE 3	0.4	9.8	17.2	0.3	0.3	0.8	0.0		2	55	96

2014 Site Information:

Site Name: ALGONQUIN GAS TRANSMISSION (Cromwell) EIS ID : 2706711 CT ID: SIC Code: 4922
Address : 252 SHUNPIKE ROAD, CROMWELL, CT Latitude: 41.631669 Longitude: -72.673363
County : MIDDLESEX Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	KEWANEE SCOTCH BOILER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0002	410 HPLER01 L-3000 EMER GEN	0.0	0.1	0.2	0.0	0.0	0.0	0.0		0	19	31

E0003	410 HP LER01 L-3000 EMER GEN	0.0	0.1	0.2	0.0	0.0	0.0	0.0		0	19	31
E0004	Maxon Heater 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0005	Maxon Heater 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0006	Kohler Emergency Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	2
E0007	Kohler Emergency Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0005	SOLAR T-4700 TURBINE	1.1	28.5	1.7	1.1	1.1	0.6	0.0		7	177	10
P0006	SOLAR T-4700 TURBINE	1.1	28.9	1.3	1.1	1.1	0.6	0.0		7	173	8
R0011	C-B GAS COMPRESSOR 44688	4.8	72.7	12.0	1.9	1.9	0.0	0.0		50	765	126
R0012	C-B GAS COMPRESSOR 44687	3.5	56.3	5.3	1.7	1.7	0.0	0.0		40	634	59
R0013	C-B GAS COMPRESSOR 44843	2.9	45.9	7.4	2.2	2.2	0.0	0.0		24	390	63
R0014	C-B GAS COMPRESSOR 44844	1.5	46.2	6.5	1.3	1.3	0.0	0.0		22	677	95
R0015	C-B GAS COMPRESSOR 45675	0.7	8.9	1.6	0.4	0.4	0.0	0.0		29	384	69
R0016	C-B GAS COMPRESSOR 45676	0.7	16.9	2.0	0.9	0.9	0.0	0.0		13	312	36
U0001	UNREG VOC FUGITIVE EMISSIONS	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.000	27	0	0

2014 Site Information:

Site Name: KLEEN ENERGY SYSTEM PROJECT EIS ID : 14622911 CT ID: SIC Code: 4911
Address : 1349 RIVER ROAD, MIDDLETOWN, CT Latitude: 41.552666 Longitude: -72.598265
County : MIDDLESEX Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	1214 hp Caterpillar C27 diesel emergency engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	18	5
E0002	1502 hp Caterpillar C32 diesel emergency engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	35	9

E0003	1490 hp Cummins QST30-G5 diesel emergency engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0004	252 hp Cummins CFP83-F30 diesel Fire Pump Engine	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	4	40	9
P0131	SIEMENS SGT6-5000F TURBINE #1	0.7	32.3	4.1	24.0	24.0	2.9	1.6	0.000	1	298	21
P0133	SIEMENS SGT6-5000F TURBINE #2	2.0	49.7	7.8	36.0	36.0	4.5	6.1	0.011	1	292	26
P0134	73.5 MMBTU/HR AUX BOILER	0.0	0.4	0.8	0.1	0.1	0.0	0.0	0.000	1	5	10

2014 Site Information:

Site Name: MIDDLETOWN POWER LLC EIS ID : 715711 CT ID: SIC Code: 4911
Address : 1866 RIVER RD, MIDDLETOWN, CT Latitude: 41.553859 Longitude: -72.569445
County : MIDDLESEX Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	CB BOILER (GLYCOL) #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0002	CB BOILER (GLYCOL) #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0002	Unit 4A (EU-4) Aux Boiler	0.5	13.5	7.0	1.1	1.0	3.9	0.3	0.000	1	14	8
P0003	BLR C.E. #4	2.2	95.0	10.2	13.3	13.3	89.8	1.6	0.003	119	4,991	554
P0144	GE LM6000 Turbine 50 MW - Unit 12	0.0	0.7	0.3	0.3	0.3	0.0	0.0	0.000	2	7	0
P0145	GE LM6000 Turbine 50 MW - Unit 13	0.0	0.6	0.3	0.3	0.3	0.0	0.1	0.000	2	8	1
P0146	GE LM6000 Turbine 50 MW - Unit 14	0.0	0.7	0.3	0.4	0.4	0.0	0.0	0.000	1	5	2
P0147	GE LM6000 Turbine 50 MW - Unit 15	0.0	0.7	0.3	0.2	0.2	0.0	0.1	0.000	2	8	2
R0098	BLR RILEY #2	2.5	69.6	30.3	3.7	3.7	37.4	0.6	0.001	59	2,177	907
R0100	BLR B&W (CY) #3	3.3	167.5	39.9	3.9	3.9	43.2	0.3	0.001	150	5,543	2,282
R0102	P&W FT4A-8 TURBINE	0.0	2.6	0.0	0.1	0.1	0.0	0.0	0.000	1	175	1

2014 Site Information:

Site Name: PRATT & WHITNEY DIV UTC EIS ID : 920511 CT ID: SIC Code: 3724
Address : AIRCRAFT RD, MIDDLETOWN, CT Latitude: 41.539257 Longitude: -72.560402
County : MIDDLESEX Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	KOHLER DIESEL BT 805753	0.0	0.1	0.0	0.0	0.0	0.0	0.0		1	7	1
E0136	TEST CELL NO. P-1	0.1	25.4	2.9	0.6	0.6	2.8	0.0	0.000	1	280	33
E0137	TEST CELL NO. P-2	0.1	18.1	2.3	0.6	0.6	1.9	0.0	0.000	1	257	28
E0138	TEST CELL NO. P-3	0.2	28.3	5.9	4.4	4.4	1.6	0.0	0.000	1	94	20
E0139	TEST CELL NO. P-4	0.2	16.0	3.5	2.3	2.3	1.0	0.0	0.000	1	124	28
E0140	TEST CELL NO. P-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0141	TEST CELL NO. P-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0142	TEST CELL NO. P-7	0.8	40.4	6.7	0.9	0.9	1.5	0.0	0.000	11	603	94
E0143	TEST CELL NO. P-8	0.3	50.2	4.2	0.6	0.6	1.6	0.0	0.000	3	560	41
E0144	CUMMINS DIESEL BT 475613	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	1	7	1
E0145	CUMMINS DIESEL BT 479648	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	3	0
E0146	CUMMINS DIESEL BT 457374	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	4	1
E0147	CUMMINS DIESEL BT R49397	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	1	10	2
E0148	CUMMINS DIESEL BT 415830	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	4	1
E0149	CUMMINS DIESEL BT 475299	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0150	CUMMINS DIESEL BT 475300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0

E0151	CUMMINS DIESEL BT 479031	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0152	CUMMINS DIESEL BT 805751	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0153	CUMMINS DIESEL BT 801206	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	3	1
P0027	FT-4 TURBINE DRIVE ENG X960	0.1	8.6	0.9	1.1	1.1	1.3	0.0	0.000	6	807	84
P0028	INLET AIR HEATER X960 #2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	7	2
P0029	INLET AIR HEATER X960 #3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	11	2
P0030	COMB TEST RIG X960	0.1	0.8	0.1	0.0	0.0	0.1	0.0	0.000	0	0	0
P0036	BLR CB-D68 #4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	9	3
P0062	GG-8 GAS TURBINE ENGINE	0.1	1.7	0.2	0.2	0.2	0.4	0.0	0.000	9	175	25
P0073	BINKS WW SPRAY BOOTH (BT538582)	0.1			0.0	0.0		0.0	0.000	1		
P0077	CUMMINS DIESEL BT 463875	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	3	1
P0078	ONAN DIESEL BT 465440	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	4	1
P0080	CUMMINS DIESEL BT 403655	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
P0126	ATR paint spray booth (BT541944)	0.1			0.0	0.0		0.0		1		
P0139	ATR paint spray booth (BT542361)	0.1			0.0	0.0		0.0	0.000	1		
P0140	RENTECH BOILER No. 5	0.1	0.4	0.4	0.1	0.1	0.0	0.0	0.000	0	0	0
P0141	RENTECH BOILER No. 6	0.1	0.6	0.5	0.1	0.1	0.0	0.0	0.000	0	0	0
P0142	SOLAR TAURUS 70 GAS TURBINE	0.6	2.1	39.7	2.0	2.0	0.2	1.9	0.000	4	13	241
R0034	TEST BURNER I904	0.0	0.0	0.0		0.0		0.0	0.000	0	0	0
U0002	MISC METAL PARTS COATINGS	2.8				0.0		0.0		62		
U0005	THIN SOLV: MEK	0.2				0.0		0.0		4		

U0006	THIN SOLV: MISC	3.9			0.0	0.0		22				

2014 Site Information:

Site Name: Allnex USA, Inc EIS ID : 658111 CT ID: SIC Code: 2821
Address : 528 S CHERRY & BALL STS, WALLINGFORD, CT Latitude: 41.434075 Longitude: -72.839613
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0003	MIXED ALCOHOLS RECOVERY, B-5	0.3			0.0	0.0		0.0		2		
E0004	CS-MISC. EMERGENCY GENERATORS	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	1	0
E0007	RESINS COOLING TOWERS	0.0	0.0	0.0	2.6	2.6	0.0	0.0	0.000	0	0	0
E0009	WELL #4 EMERG GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
E0011	ADIPIC ACID HOPPER, B-5B	0.0				0.0		0.0		0		
E0012	KETTLE 150-1, B-5B	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
E0013	MIXING TANK 150-2, B-5B	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
E0014	FURNACE 608-1, B-5B	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.000	0	3	2
E0016	B. REACTOR 102-1, B-5B	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	6	0	0
E0017	METH/FORMALDEHYD RECOVERY, B-6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0018	REACTOR TRAINS 103, 104, 106	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	5	0	0
E0020	BLEND TANK 106-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0022	BLEND TANK 106-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0026	USTs 551 & 553 CYMEL 1133 Distillate (n-BuOH/MeOH) &	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0027	UNDRGRND STORAGE TANKS 511 512 Methanol	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0

E0028	UST (T-561) Cymel 1133 Distillate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0031	200 Reactor Hot Oil Furnace	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.000	0	4	2
E0032	MONMACT RTO	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.000	0	2	0
E0033	REACTOR TRAIN 200	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
P0075	KOHLER 1500ROZD DIESEL	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
P0189	EMERG AIR COMPRESSOR ENGINE B2	0.0	0.1	0.0	0.0	0.0		0.0	0.000	0	0	0
R0108	BLR MURRAY #1	0.2	2.5	3.2	0.3	0.3	0.0	0.1	0.000	1	14	17
R0110	BLR RILEY #3	0.8	27.6	11.6	1.1	1.1	0.1	0.4	0.000	4	116	64
R0150	REACTOR TRAINS 101,102,120,150	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	8	0	0
R0182	REACTOR TRAINS 61/62 & 65/68	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
R0201	REACTOR TRAIN 104-34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
U0001	ABOVE GROUND TANKS 502 & 503 Methyl Formcel & Formalin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
U0007	RESINS MISC, STORAGE TANKS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
U0008	RESINS MISC, FUGITIVES	3.6				0.0		0.0		20		
U0009	CS-WWTP	80.4				0.0		0.1		507		
U0010	CS-LANDFILL	0.0				0.0		0.0		0		
U0011	CS-MISC. TKS.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
U0012	CS-FUGITIVES	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0

2014 Site Information:

Site Name: AMETEK SPECIALTY METAL PRODUCT EIS ID : 2711211 CT ID: SIC Code: 3356
Address : 21 TOELLES RD, WALLINGFORD, CT Latitude: 41.428697 Longitude: -72.840988
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0013	COMPACT MILL				0.0	0.0		0.0				
E0017	10 CUFT BLENDER- GEU1				0.0	0.0		0.0				
E0018	30 CUFT BLENDER- GEU1				0.0	0.0		0.0				
E0019	NX 1000 GRINDER #301				0.0	0.0		0.0				
E0020	POWDER SCREEN(SWECO WRHSE AREA				0.0	0.0		0.0				
E0021	SINTER FURNACE #1 NX-GEU2				0.0	0.0		0.0				
E0022	SWECO SCREEN #1				0.0	0.0		0.0				
E0023	SWECO SCREEN #2				0.0	0.0		0.0				
E0024	24"" SWECO SCREEN				0.0	0.0		0.0				
E0029	GRINDER ROTARY FINE				0.0	0.0		0.0				
E0030	SINTER FURNACE (ANNEAL & CRUSH- GEU2				0.0	0.0		0.0		0		
E0031	SWECO SCREEN #3				0.0	0.0		0.0				
E0032	60"" SWECO SCREEN				0.0	0.0		0.0				
E0039	VAUGHGN WIRE DRAWING MACHINE 553-1- GEU3				0.0	0.0		0.0				
E0041	SLITTER #1- GEU5	0.5				0.0		0.0		2		
E0044	VAUGHGN WIRE DRAWING MACHINE 552- GEU3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

E0045	SLITTER #2- GEU5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
E0046	SLITTER #12- GEU5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
E0085	Ultra-Kool Vapor Degreaser	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	40	0	0
P0217	BARON BLAKESLEE DEGREASER- GEU4	4.2				0.0		0.0		40		
P0218	DREVER FURNACE IN-LINE DEGRSR- GEU4	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: Connecticut Jet Power LLC, Branford Substation EIS ID : 16708311 CT ID: SIC Code: 4911
Address : Boston Post Road, BRANFORD, CT Latitude: 41.288591 Longitude: -72.814567
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
R0008	P&WA FT4A-8 TURBINE #10	0.0	3.6	0.0	0.0	0.0	0.0		0.000	0	279	0

2014 Site Information:

Site Name: COVANTA PROJECTS OF WALLINGFORD, L.P. EIS ID : 589911 CT ID: SIC Code: 4953
Address : 530 S CHERRY ST, WALLINGFORD, CT Latitude: 41.438485 Longitude: -72.834679
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0061	ENERCON INCIN #1	0.2	33.9	2.4	0.1	0.1	2.3	0.0	0.000	1	212	13
P0062	ENERCON INCIN #2	0.2	30.2	2.4	0.3	0.1	1.5	0.0	0.000	1	168	16
P0063	ENERCON INCIN #3	0.2	37.6	1.4	0.2	0.1	1.5	0.0	0.001	1	194	7

2014 Site Information:

Site Name: DEVON POWER, LLC EIS ID : 590011 CT ID: SIC Code: 4911
Address : NAUGATUCK AVE, MILFORD, CT Latitude: 41.209171 Longitude: -73.107871
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0026	P&W FT4A-8 TURBINE #10	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.000	0	238	1
P0040	GE LM6000 TURBINE #11	0.0	1.0	0.1	0.1	0.1	0.0	0.0	0.000	2	80	8
P0041	GE LM6000 TURBINE #12	0.0	0.8	0.1	0.1	0.1	0.0	0.0	0.000	2	79	8
P0042	GE LM6000 TURBINE #13	0.0	1.2	0.1	0.1	0.1	0.0	0.0	0.000	1	38	4
P0043	GE LM6000 TURBINE #14	0.0	1.5	0.1	0.1	0.1	0.0	0.0	0.000	2	82	8
P0098	GE LM6000PC TURBINE #15	0.0	0.4	0.0	0.3	0.3	0.0	0.1	0.000	0	6	0
P0099	GE LM6000PC TURBINE #16	0.0	0.4	0.0	0.2	0.2	0.0	0.1	0.000	1	8	0
P0100	GE LM6000PC TURBINE #17	0.0	0.3	0.0	0.4	0.4	0.0	0.1	0.000	1	14	1
P0101	GE LM6000PC TURBINE #18	0.0	0.5	0.0	0.3	0.3	0.0	0.1	0.000	0	5	0

2014 Site Information:

Site Name: EVONIK CYRO LLC EIS ID : 15588611 CT ID: SIC Code: 2821
Address : 600 SOUTH CHERRY STREET, WALLINGFORD, CT Latitude: 41.434075 Longitude: -72.839613
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	FURNACE #3,B-10	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.000	0	2	2
E0005	FLUID BED OVEN #1(B45),#2(B22)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

E0029	RE 400 KETTLE,B-10	0.0				0.0		0.0		0		
E0030	RE 402B KETTLE,B-10	0.0				0.0		0.0		0		
P0011	EXTRUDER EX-102, B-10	1.7				0.0		0.0		11		
P0082	ONAN EMERGEN GEN 275DFBF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	6	0
P0097	UNDERGROUND STORAGE TANK T-951 Acrylonitrile	0.0				0.0		0.0		0		
P0098	UST-950, UST-952 Methyl Methacrylate	0.0				0.0		0.0		0		
R0213	EXTRUDER EX-302, B-10	0.5				0.0		0.0		12		
R0214	EXTRUDER EX-402, B-10	1.0				0.0		0.0		9		
R0221	RE 100 KETTLE,B-10	0.0				0.0		0.0		0		
R0222	RE 300 KETTLE,B-10	0.0				0.0		0.0		0		
R0223	RE 102B KETTLE,B-10	0.0				0.0		0.0		0		
R0224	RE 302B KETTLE,B-10	0.0				0.0		0.0		0		
R0233	TA802 SOLV REC TKB10	0.0				0.0		0.0		0		
R0246	EXTRUDER 1008/7, B-10A	0.3				0.0		0.0		1		
U0004	FUGITIVES,B-10	0.8				0.0		0.0		4		
U0005	Grouped Emitting Unit (GEU-01)	0.1				0.0		0.0		0		
U0006	MISC,B-10A	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: GULF OIL L.P. EIS ID : 918711 CT ID: SIC Code: 5171
Address : 428-500 WATERFRONT ST, NEW HAVEN, CT Latitude: 41.293868 Longitude: -72.902231
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	TANK #110 - ETHANOL	0.3				0.0		0.0		1		
P0241	TRUCK LOAD RACK - GAS	22.3				0.0		0.0		125		
P0243	TANK #113 - NL GAS	6.1				0.0		0.0		34		
P0352	STORAGE TANK #112	0.0				0.0		0.0		0		
P0353	STORAGE TANK #114	3.9				0.0		0.0		25		
R0298	TANK #101 - NL GAS	5.3				0.0		0.0		26		
R0301	TANK #103 - SNL GAS	0.0				0.0		0.0		0		
R0307	TANK #108 - SNL GAS	0.0				0.0		0.0		0		
R0309	TANK #109 - SNL GAS	0.0				0.0		0.0		0		
R0312	TANK #111 - NL GAS	7.2				0.0		0.0		38		
R0317	TANK #115 - ETHANOL	0.2				0.0		0.0		1		

2014 Site Information:

Site Name: MAGELLAN TERMINALS HOLDINGS,LP EIS ID : 843211 CT ID: SIC Code: 4226
Address : 280 WATERFRONT ST, NEW HAVEN, CT Latitude: 41.291137 Longitude: -72.902853
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO

E0001	TRUCK LOAD RACK - DISTILLATE	3.0				0.0		0.0		25		
E0002	TANK #208 -DISTILLATE	0.0				0.0		0.0		0		
E0003	TANK #213-DISTILLATE	0.0				0.0		0.0		0		
E0004	TANK #216-DISTILLATE	0.0				0.0		0.0		0		
E0005	TANK #217-DISTILLATE	0.0				0.0		0.0		0		
E0006	TANK #1A -FUEL OIL	0.0				0.0		0.0		0		
E0010	Equipment Fugitives - Product Distribution System	0.3				0.0		0.0		2		
E0011	BOILER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0013	Barge Dock Distillate Loading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0016	Tank # 218	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	28	0	0
R0810	Tank # 202 - Gasoline	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	21	0	0
R0811	Tank # 215 - Gasoline	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	53	0	0
R0812	Tank # 209 - Gasoline	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.000	16	0	0
R0813	Tank # 212 - Gasoline	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	12	0	0
R0814	Tank # 210 - Gasoline	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.000	14	0	0
R0815	TRUCK LOAD RACK GASLNE & ETHNL	12.2				0.0		0.0		78		
R0979	Tank # 206 - Ethanol	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
R1005	Tank # 201 - Ethanol	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.000	6	0	0
R1006	Tank # 214 - Gasoline	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.000	69	0	0

2014 Site Information:

Site Name: MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave) EIS ID : 844411 CT ID: SIC Code: 4226
Address : 134 FORBES AVE, NEW HAVEN, CT Latitude: 41.290215 Longitude: -72.901688
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0005	PRODUCT DISTRIBUTION SYSTEM	0.4				0.0		0.0		2		
E0007	Tank # 30 - Distillate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0008	Tank # 31 - Distillate/Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0009	Tank # 32 - Distillate/Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0046	Tank # 20 - Gasoline	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	39	0	0
P0125	Tank # 22 - Gasoline	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	10	0	0
P0154	Tank # 29 - Ethanol	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	3	0	0
P0167	Tank # 21 - Gasoline	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	16	0	0
P0363	Gasoline, Ethanol, & Distillate Loading Rack w. VCU	1.0	2.7	6.6	0.0	0.0	0.0	0.0	0.000	12	21	51
P0625	Tank # 24 - Ethanol	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.000	6	0	0
P0627	Tank # 27 - Gasoline	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	25	0	0
P0628	Tank # 28 - Gasoline	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	17	0	0
R0908	Tank # 23 - Gasoline	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000	33	0	0

2014 Site Information:

Site Name: MILFORD POWER CO, LLC EIS ID : 2708911 CT ID: SIC Code: 4911
Address : 55 SHELLAND ST, MILFORD, CT Latitude: 41.221601 Longitude: -73.099527
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	3 EMERGENCY GENERATORS (DIESEL)	0.1	0.7	0.2	0.1	0.1	0.0	0.0		1	14	3
P0068	ABB GT-24, UNIT #1 CC TURBINE	8.3	44.7	39.8	20.9	20.9	3.0	14.0	0.000	82	267	451
P0069	ABB GT-24, UNIT #2 CC TURBINE	6.8	47.5	26.5	14.2	14.2	3.6	6.0	0.000	55	289	252
P0087	MARLEY COOLING TOWER				7.4	7.4		0.0				
P0089	1.2 MMGAL #2 OIL STORAGE TANK	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: MOTIVA ENTERPRISES LLC EIS ID : 555511 CT ID: SIC Code: 5171
Address : 481 EAST SHORE PARKWAY, NEW HAVEN, CT Latitude: 41.287515 Longitude: -72.901775
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0802	Non Reg Tanks	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	24	0	0
E0803	MISC Combustion	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.000	0	0	0
P0135	TANK #24 GAS	6.4				0.0		0.0		31		
P0136	TANK #25 ETHANOL	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	3	0	0
P0137	TANK #26 GASOLINE	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.000	23	0	0
P0138	TANK #28 - ETHANOL	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0

P0139	GASOLINE LOADING RACK	42.6	4.3	23.3	0.2	0.2	0.2	0.0	0.000	234	24	130
R0198	TANK #29 GAS	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	6	0	0
R0199	TANK #30 - JP-8 (Domed External)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0200	TANK #31 GAS	0.0				0.0		0.0		0		
R0201	TANK #32 GAS (Domed External)	0.0				0.0		0.0		0		
R0202	TANK #33 GAS (Domed External)	0.0				0.0		0.0		0		
R0203	TANK #38 - LS Diesel	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	8	0	0
R0204	TANK 1 GASOLINE (Domed External)	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
R0205	TANK 2 GAS (Domed External)	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
R0206	TANK 3 GAS (Domed External)	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
U0001	UNREG MISC VOC EVAPORATION	2.1				0.0		0.0		10		

2014 Site Information:

Site Name: NEW HAVEN TERMINAL, INC EIS ID : 555611 CT ID: SIC Code: 4226
Address : 100 WATERFRONT ST, NEW HAVEN, CT Latitude: 41.289381 Longitude: -72.905298
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	BOILER #1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	2	1
E0002	BOILER #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0003	TANK #7E- EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0004	TRUC LOADING RACK-DISTI/CHEMIC	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0005	TANK #16	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

E0006	TANK #30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
P0001	TANK #114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0007	TANK #101	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.000	7	0	0
R0008	TANK #102	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.000	3	0	0
R0009	TANK #103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0010	TANK #104	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	7	0	0
R0011	TANK #107	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000	5	0	0
R0012	TANK #108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0013	TANK #109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0014	TANK #110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0015	TANK #105	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	9	0	0
R0016	TANK #106	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0430	TANK #1 -#2 OIL	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
R0431	TANK #2 - ULSD	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.000	3	0	0
R0432	TANK #3 - # 2 OIL	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
R0433	TANK #4 - ULSD	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
R0434	TANK #6 - ULSD	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
R0435	TANK #7 -EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0436	TANK #8 -EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0438	TANK #13 -ULSD	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0439	TANK #14 -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

R0440	TANK #15 -ULSD	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0441	TANK #17 -EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0442	TANK #18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0443	TANK #19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0444	TANK #20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0445	TANK #21 - ULSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0446	TANK #22	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
R0447	TANK #23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0448	TANK #24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0449	TANK #25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0450	TANK #26 -EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0451	TANK #27	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
R0452	TANK #28	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
R0453	TANK #29	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	0	0
R0454	TANK #1E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0455	TANK #2E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0456	TANK #3E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0457	TANK #4E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0458	TANK #5E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
U0001	TANK #111	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	7	0	0
U0002	TANK #112	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000	5	0	0

U0003	TANK #113	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.000	5	0	0
U0004	TANK #115	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.000	14	0	0

2014 Site Information:

Site Name: PIERCE GENERATING STATION (Wallingford) EIS ID : 14624411 CT ID: SIC Code: 4911
Address : 195 EAST ST, PIERCE STATION, WALLINGFORD, CT Latitude: 41.44889 Longitude: -72.83472
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0234	GE COMBUSTION TURBINE	0.1	4.2	4.9	0.6	0.6	0.1	0.0	0.000	1	142	154

2014 Site Information:

Site Name: PSEG FOSSIL LLC/ POWER CT LLC EIS ID : 643411 CT ID: SIC Code: 4911
Address : 600 Connecticut Avenue, NEW HAVEN, CT Latitude: 41.287537 Longitude: -72.902968
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	SOLAR GS350 TURBINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	22	0
E0002	Cummins Emergency Engine	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
P0021	B&W STEAM GENERATOR 2	0.0	1.0	0.4	0.2	0.1	0.9	0.1	0.000	0	7	3
P0031	C.E. STEAM GENERATOR 1	9.4	179.3	43.1	14.2	13.7	299.0	6.7	0.000	195	840	906
P0373	50MW GE LM6000PC Combustion Turbine 1	0.1	0.5	0.3	0.1	0.1	0.0	0.1	0.000	8	15	20
P0374	50MW GE LM6000PC Combustion Turbine 2	0.1	0.4	0.3	0.1	0.1	0.0	0.1	0.000	7	12	26
P0375	50MW GE LM6000PC Combustion Turbine 3	0.1	0.4	0.2	0.1	0.1	0.0	0.1	0.000	5	11	20

2014 Site Information:

Site Name: SOMERS THIN STRIP EIS ID : 555711 CT ID: SIC Code: 3351
Address : 215 PIEDMONT ST, WATERBURY, CT Latitude: 41.534843 Longitude: -73.034045
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	AIR MAKE-UP UNITS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0004	#21 FURNACE ANNEALING LINE	0.1	1.0	0.8	0.1	0.1	0.0	0.0	0.000	0	4	3
E0006	BLR CB CBLE700-250-150 #6	0.0	0.7	0.6	0.1	0.1	0.0	0.0	0.000	0	1	1
E0007	#26 Bell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0008	#21 FURNACE EMERGENCY GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0201	WWTP EMERGENCY GENERATOR	0.0	0.0	0.0	0.0	0.0		0.0		0	0	0
P0247	FIRE PUMP EMERGENCY GENERATOR	0.0	0.1	0.0	0.0	0.0		0.0		0	0	0
R0638	BLR PREFERRED BHER80 #1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	2	2
R0640	BLR PREFERRED BHER150 #4	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.000	0	4	3
R0808	#15 FURNACE AND DEGREASER	0.0	0.0	0.0		0.0	0.0	0.0	0.000	0	0	0
R0813	#4 DEGREASING LINE -MC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
U0002	THINNING SOLVENTS: KEROSENE	2.5				0.0		0.0		18		

2014 Site Information:

Site Name: UNITED ALUMINUM CORP EIS ID : 14623211 CT ID: SIC Code: 3353
Address : 100 UNITED DR, NORTH HAVEN, CT Latitude: 41.36429 Longitude: -72.864639
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	DR Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0002	WW Cummins - Onan NG Emergency Engine	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
E0003	Office Cummins - Onan NG Emergency Engine	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
P0113	ANNEALING FURNACE #1	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.000	0	1	1
P0114	ANNEALING FURNACE #2	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.000	0	1	1
P0115	ANNEALING FURNACE #3	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.000	0	2	1
P0116	ANNEALING FURNACE #11	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.000	0	2	2
P0136	ALUM ROLLING MILL Z-23 & Z-24	38.8			0.9	0.9		0.0		215		

2014 Site Information:

Site Name: Wallingford Energy LLC EIS ID : 14624011 CT ID: SIC Code: 4911
Address : 115 JOHN ST, WALLINGFORD, CT Latitude: 41.447509 Longitude: -72.835576
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0194	GE LM6000 SIMP CYCLE TURBINE 1	0.2	0.7	0.3	0.5	0.5	0.0	0.2	0.000	3	12	6
P0195	GE LM6000 SIMP CYCLE TURBINE 2	0.2	0.7	0.3	0.4	0.4	0.0	0.2	0.000	6	20	11
P0196	GE LM6000 SIMP CYCLE TURBINE 3	0.2	0.6	0.3	0.3	0.3	0.0	0.2	0.000	6	16	12

P0197	GE LM6000 SIMP CYCLE TURBINE 4	0.2	0.6	0.4	0.4	0.4	0.0	0.3	0.000	6	16	17
P0198	GE LM6000 SIMP CYCLE TURBINE 5	0.2	0.6	0.5	0.3	0.3	0.0	0.2	0.000	5	14	19
P0199	CB BLR MDL CB(LE) 700-800-125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: WATERBURY GENERATION, LLC EIS ID : 15588211 CT ID: SIC Code: 4911
Address : 725 BANK ST, WATERBURY, CT Latitude: 41.54583 Longitude: -73.044502
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	ULSK Tank-1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
P0300	GE LMS100PA SIMPLE CYCLE TURBI	0.5	1.9	1.4	1.0	0.8	0.1	0.7	0.000	9	19	28

2014 Site Information:

Site Name: YALE UNIV /CENTRAL POWER PLT EIS ID : 843911 CT ID: SIC Code: 8221
Address : 18 ASHMUN ST, NEW HAVEN, CT Latitude: 41.302416 Longitude: -72.928769
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0006	EMU 21 POLICE EMERG GEN	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	6	1
E0008	GEMU2 - Boilers =>5 MMBTU <10 MMBTU	0.1	1.0	0.8	0.1	0.1	0.0	0.0	0.000	0	2	1
E0010	55 Lock St Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	4	2
E0011	DG-4 CATERPILLAR 3516C	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.000	0	8	2
P0204	GE PGT-5/M TURBINE W/HRSG #1	0.3	5.8	0.7	2.1	2.1	1.0	2.6	0.000	2	28	3
P0205	GE PGT-5/M TURBINE W/HRSG #2	0.8	6.3	0.8	2.2	2.2	0.8	2.4	0.000	5	34	4

P0206	GE PGT-5/M TURBINE W/HRSG #3	1.2	4.1	1.2	1.5	1.5	0.8	1.6	0.000	11	35	10
P0207	MITSUBISHI MODEL S16R-PTA,CPG1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	8	0
P0208	MITSUBISHI MODEL S16R-PTA,CPG2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	9	0
P0209	MITSUBISHI MODEL S16R-PTA,CPG3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	7	0
P0210	BLR NEBRASKA 100K	0.0	0.6	0.5	0.1	0.1	0.7	0.0	0.000	0	5	0
P0354	CUMMINS,NTA855-G2,300KW,HSC	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	2	0
P0371	BOILER #5	0.2	0.7	1.5	0.3	0.3	0.0	0.0	0.000	0	2	1
P0372	BOILER #6	0.1	0.6	1.2	0.3	0.2	0.0	0.0	0.000	0	2	1

2014 Site Information:

Site Name: YALE UNIV, SCHOOL OF MEDICINE EIS ID : 898111 CT ID: SIC Code: 8221
Address : 330 CEDAR STREET, NEW HAVEN, CT Latitude: 41.302913 Longitude: -72.93285
County : NEW HAVEN Ozone Status Area : CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	CATERPILLAR GENERATOR 3516B (SPP)	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.000	0	19	5
E0002	CATERPILLAR 3412, 500KW (YPI)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	4	1
E0006	CATERPILLAR GENERATOR 3516 (TAC)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.000	0	13	2
E0008	BINKS 2001 HVLP SPRAYBOOTH	0.0			0.0	0.0		0.0		0		
E0099	AMISTAD EMERGENCY GENERATOR	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.000	0	16	4
E0100	100 Church St. South Boilers	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.000	0	0	0
P0105	BLR B&W #FM103-70 #8	0.1	1.8	1.2	0.2	0.2	0.4	0.0	0.000	0	5	4
P0220	BLR NEBRASKA # NS-F-76 # 10	0.0	1.0	0.2	0.2	0.2	0.5	0.0	0.000	0	1	0

P0223	KOHLER 60RZ, 60KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0225	CUMMINS VTA28-GS1, 500KW (YPB)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	5	1
P0326	BLR NEBRASKA #NS-F-76 #9	0.0	0.9	0.1	0.2	0.2	0.4	0.0	0.000	0	1	0
P0329	MITSUBISHI S12 H-PTAEG, MSG10 (SHMB)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	10	1
P0330	724HP MITSUBISHI S6A3-PTAEGS (BRADY)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	4	1
P0332	224HP MITSUBISHI6D24-TEG,MSG13 (SHMI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
P0355	BLR NEB NOS-2A-81-ECON#11	0.0	0.7	0.2	0.1	0.1	0.2	0.0	0.000	0	4	1
P0369	SPP COGEN UNIT #100	1.6	2.8	2.1	2.5	2.5	0.8	0.4	0.000	5	17	7
P0370	SPP COGEN UNIT #200	2.4	2.9	1.3	2.1	2.1	0.8	0.3	0.000	4	17	0

2014 Site Information:

Site Name: AES Thames LLC EIS ID : 920711 CT ID: SIC Code: 4911
Address : 141 DEPOT RD, MONTVILLE, CT Latitude: 41.434227 Longitude: -72.097595
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0010	BLR CE FLUID BED #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0011	BLR CE FLUID BED #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0014	LIMESTONE DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0015	MATL HANDLING SYSTEM				0.0	0.0		0.0				
P0020	CAT EMERGEN DIESEL 3406B	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
P0021	CAT DIESEL 3306B	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0

2014 Site Information:

Site Name: AMERICAS STYRENICS, LLC EIS ID : 15588411 CT ID: SIC Code: 2821
Address : 1761 RTE 12, LEDYARD, CT Latitude: 41.442506 Longitude: -72.081672
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	Emissions from Breathing and Filling Storage Tanks	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.000	18	0	0
E0043	Fugitive Equipment Leaks	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.000	4	0	0
P0006	DOWTHERM HEATER A	0.1	3.4	1.4	0.2	0.2	0.0	0.0	0.000	1	19	8
P0007	DOWTHERM HEATER B	0.0	0.7	0.6	0.1	0.1	0.0	0.0	0.000	0	3	2
P0010	PLANT E and G - POLYSTYRENE	0.1				0.0		0.0		1		
P0019	DETROIT DIESEL #9163-34167418	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.000	0	6	4

2014 Site Information:

Site Name: COVANTA SOUTHEASTERN CT CO EIS ID : 754611 CT ID: SIC Code: 4953
Address : 132 MILITARY HWY, PRESTON, CT Latitude: 41.473655 Longitude: -72.067102
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	CAT 3412 DIT DIESEL-EMERGENCY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	2	1
P0001	DBA REFUSE INCIN #1	0.0	193.3	42.3	1.2	1.2	14.5	12.9	0.002	8	1,114	244
P0002	DBA REFUSE INCIN #2	0.0	191.6	41.1	2.0	2.0	14.1	38.8	0.004	8	1,115	239

2014 Site Information:

Site Name: ELECTRIC BOAT CORP EIS ID : 922211 CT ID: SIC Code: 3731
Address : 75 EASTERN POINT RD, GROTON, CT Latitude: 41.343369 Longitude: -72.078936
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	MANUAL ADHESIVE APPL(FACILITY)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.000	2	0	0
E0009	BUILDING 51 (SILICA SAND)				0.0	0.0		0.0				
P0008	BLR SUPERIOR 350HP #2N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0032	BLR B&W FMD 640 #4M	0.2	1.3	2.3	0.2	0.2	0.0	0.1	0.000	0	0	0
P0055	BLR SUPERIOR 150HP #1S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0059	GRAVING DOCK #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0094	LAND LEVEL FACILITY	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	17	0	0
P0144	KOHLER 180ROZ271 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	1	0
P0145	KOHLER 50ROZ271 DIESEL GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	1	0
P0146	KOHLER 50ROZ271 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	1	0
P0147	KOHLER 100ROZ277 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	1	0
P0148	KOHLER 100ROZ277 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
P0149	KOHLER 70ROZ272 PROPANE GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0150	CATERPILLAR D398A GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	8	2
P0152	KOHLER 250ROZ271 DIESEL GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	1	0
P0153	KOHLER 250ROZ273 DIESEL GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	1	0

P0240	MOLD-IN-PLACE HULL COATING	0.0				0.0		0.0		0		
P0241	SPRAY BOOTH (BLDG 51)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0255	BUILDING 212 BLASTEC				0.0	0.0		0.0				
P0257	250 KW MAGNE TEK DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
P0258	250 KW MAGNE TEK DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	2	0
P0259	250 KW MAGNE TEK DIESEL GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
P0260	250 KW MAGNE TEK DIESEL GEN	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0261	KOHLER MODEL 125ROZ DIESEL	0.0	0.0	0.0	0.0	0.0		0.0		0	0	0
P0262	KOHLER 50ROZJ SERIAL #0690077	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0263	BARGE 17 133.7 MMBTU BOILER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0269	EB-33 BLASTING CABINET, BUILDING 129	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0280	ABRASIVE BLAST ROOM - Building 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0284	Babcock Wilcox FMO-66 Boiler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0057	BLR SUPERIOR 200HP #1N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0066	BLR B&W FM 40K#/H #3M	0.4	5.9	5.1	0.5	0.5	0.0	0.2	0.000	0	0	0
R0067	BLR B&W FM 60K#/H #2M	0.0	0.9	0.5	0.0	0.0	0.0	0.0	0.000	0	0	0
R0068	BLR SUPERIOR 350HP #1M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0074	BLR SUPERIOR 250HP #2S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0075	EB-15 WHEELABRATOR 96/BLDG 212				0.0	0.0		0.0				
R0094	EB-22 GRIT BLAST-SHIP HULL/GD2				0.0	0.0		0.0				
R0095	EB-23 HULL PAINTING/LLF&GD#2	5.1				0.0		0.0		2		

R0227	SPRAY PAINTING B#212	0.2			0.0	0.0	0					

2014 Site Information:

Site Name: Fusion Paperboard Connecticut LLC EIS ID : 552711 CT ID: SIC Code: 2631
Address : 130 Inland Rd, SPRAGUE, CT Latitude: 41.619849 Longitude: -72.04368
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	AIR MAKE UP UNIT #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0002	AIR MAKE UP UNIT #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0003	AIR MAKE UP UNIT #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0004	AIR MAKE UP UNIT #4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0005	COATER DRYER #2	0.1	0.9	1.0	0.1	0.1	0.0	0.0	0.000	1	8	9
E0006	COATER DRYER #5	0.1	0.9	1.0	0.1	0.1	0.0	0.0	0.000	1	8	9
E0007	COATER DRYER #1	0.1	0.9	1.0	0.1	0.1	0.0	0.0	0.000	1	8	9
E0008	Emergency Generators - Group	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0009	Cold Cleaning Degreasers	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.000	4	0	0
P0001	BLR B&W FM-10-70 #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0003	BLR B&W PFI-22-0 #1	2.7	153.3	40.6	3.9	3.9	11.6	1.6	0.000	14	871	220
U0001	Paperboard Coating Operations source group	99.8	0.0	0.0	0.0	0.0	0.0	0.0	0.000	860	0	0

2014 Site Information:

Site Name: Millstone Power Station EIS ID : 590111 CT ID: SIC Code: 4911
Address : ROPE FERRY RD, WATERFORD, CT Latitude: 41.30867 Longitude: -72.167681
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0007	COLD PARTS CLEANING OPERATIONS	0.0				0.0		0.0		0		
E0009	EDG Cummins DFEK	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.000	0	1	0
P0007	BOILER B&W FM10-79 #1	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.000	0	1	0
P0008	BLR B&W FM10-79 #2	0.0	1.0	0.1	0.1	0.0	0.6	0.0	0.000	0	5	1
P0009	COLT PC2 DIESEL A	0.2	3.8	1.6	0.1	0.1	0.0	0.0		0	12	5
P0010	COLT PC2 DIESEL B	0.1	3.5	1.5	0.1	0.1	0.0	0.0		0	9	4
P0017	ELECTRO-MOTIVE 2MW GENERATOR	0.0	1.6	0.3	0.0	0.0	0.0	0.0		0	8	2
P0043	FIRE TRAINING FACILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
P0055	F-M 38TD8 1/8 DIESEL 12U	0.1	1.7	0.7	0.0	0.0	0.0	0.0		0	9	3
P0056	F-M 38TD8 1/8 DIESEL 13U	0.1	3.5	1.1	0.1	0.1	0.0	0.0		0	7	2
P0060	VOLVO TWD 1630G EMERG ENGINE	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: MONTVILLE POWER, LLC EIS ID : 552611 CT ID: SIC Code: 4911
Address : 74 LATHROP RD, MONTVILLE, CT Latitude: 41.427668 Longitude: -72.100287
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO

P0012	FOSTER WHEELER AG-560 #7	0.3	4.0	1.6	0.4	0.4	0.0	0.2	0.000	0	5	2
P0013	FOSTER WHEELER AG-560 #8	0.1	2.1	0.9	0.2	0.2	0.0	0.1	0.000	1	11	5
P0032	CUMMINS FIRE PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
R0017	BLR C.E. #5	0.6	23.8	4.0	0.7	0.7	34.8	0.6	0.001	48	18,65	306
R0020	BLR C.E. #6	0.9	41.3	6.2	7.3	7.3	21.0	1.0	0.001	129	5,694	853
R0021	GM DIESEL ENGINE 10	0.3	3.4	0.2	0.1	0.1	0.1	0.0	0.000	4	45	2
R0022	GM DIESEL ENGINE 11	0.3	3.1	0.2	0.1	0.1	0.1	0.0	0.000	3	30	2

2014 Site Information:

Site Name: NORWICH PUBLIC UTIL/ELECT EIS ID : 16708211 CT ID: SIC Code: 4911
Address : 16 S GOLDEN ST, NORWICH, CT Latitude: 41.524899 Longitude: -72.063589
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
R0137	ROLLS ROYCE GAS TURB OIL-FIRED	0.0	3.7	0.0	0.0	0.0	0.0		0.000	0	94	0

2014 Site Information:

Site Name: PFIZER INC EIS ID : 921211 CT ID: SIC Code: 8731
Address : 445 EASTERN POINT RD, GROTON, CT Latitude: 41.327054 Longitude: -72.074887
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0004	B118E-2 CUMMINS VT-12-635-35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0005	B274-2 CATERPILLAR SR4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	2	18	4
E0007	B260-1 ONAN/CUMMINS 80 ENAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	2	0

E0008	B295-1 KOHLER 135 RZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0009	B185-1 KOHLER 30 RZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	1	1
E0010	B90 #EG-1 EMER GENERATOR (B90)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	2	1
E0013	B114A #EG-4 EMER GENERATOR (B114)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0020	B230-1 CATERPILLAR 3516B	0.0	0.8	0.2	0.0	0.0	0.0	0.0	0.000	4	164	44
E0022	WASTEWATER EQUALIZATION BASIN	0.0			0.0	0.0		0.0		0		
E0023	B274S-3 CATERPILLAR 3406 CDITA	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	3	34	7
E0024	B60 FIRE DEPT GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0027	BLR HURST 400 #S4-G-600-150	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.000	0	3	4
E0028	B156A-1 KOHLER 600 ROZD DIESEL	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	2	59	16
E0031	B296-1 ONAN 60DGCB DIESEL/C RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	15	3
E0033	B257-1 CATERPILLAR G3412 SITA	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	8	1
E0034	EQ Basin ONAN 150 DGFA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	3	34	7
E0035	B220-1 CUMMINS ONAN GTA/GS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	3	0
E0037	B101 EG - 12 EMER GENERATOR (B 101)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	10	2
E0039	B58 PGM EMERG FIRE PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0040	B195 Fire Pump Engine	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	2	16	4
E0041	B118E-3 EG Caterpillar	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
E0042	B156A-2 Caterpillar D100-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	1	7	2
P0268	SOLAR MARS 100S TURBINE + DB	2.7	3.0	0.9	2.2	2.2	1.2	0.6	0.000	14	15	4
R0007	BLR CE #1 (101-1)	0.5	12.5	8.3	0.8	0.8	0.1	0.0	0.000	3	66	39

R0008	BLR CE #2 (101-1)	0.9	18.7	13.8	1.3	1.3	0.1	0.0	0.000	3	76	45
R0009	BLR CE #3 (101-2)	0.3	6.7	5.3	0.5	0.5	0.0	0.0	0.000	2	44	27
R0010	BLR CE #4 (101-3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
R0012	BLR CE #5 (101-4)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: RockTenn EIS ID : 2662011 CT ID: SIC Code: 2631
Address : 125 Depot Rd, MONTVILLE, CT Latitude: 41.4337 Longitude: -72.0978
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0008	BLR UNION/RILEY 23235	2.3	24.8	35.2	3.3	3.3	1.2	1.4	0.000	13	137	202
R0035	PAPER MACHINE-FOURDRINIER	5.3			3.0	2.3		0.0		31		
U0003	PROCESS WATER STORAGE TANK	0.3				0.0		0.0		2		
U0004	STOCK PREP AREA	0.8				0.0		0.0		4		

2014 Site Information:

Site Name: Styron LLC - Allyn's Point EIS ID : 15588511 CT ID: SIC Code: 2821
Address : 1761 RTE 12, LEDYARD, CT Latitude: 41.440707 Longitude: -72.081753
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0040	Bldg 41 Emergency Engine and Firewater pump	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0042	Bldg 47 Emergency Engine and Firewater pump	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
P0015	BLR WICKES E7C #4	0.2	1.7	3.6	0.3	0.3	0.0	0.1	0.000	1	11	28

P0016	S/B LATEX PLANT	0.5	0.8	0.7	0.1	0.1	0.0	0.0	0.000	3	4	4
P0020	BLR WICKES E7D#3	0.1	1.1	2.7	0.2	0.2	0.0	0.1	0.000	0	2	6

2014 Site Information:

Site Name: The Gilman Brothers Company EIS ID : 15588311 CT ID: SIC Code: 3089
Address : Gilman Rd PO Box 38, BOZRAH, CT Latitude: 41.578698 Longitude: -72.197885
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0005	Cleaver Brooks Boiler	0.0	1.3	0.1	0.2	0.1	2.0	0.0	0.000	0	5	1
P0007	FOAM EXTRUSION LINE	40.0			0.0	0.0				276		

2014 Site Information:

Site Name: Tunnel Station EIS ID : 16708111 CT ID: SIC Code: 4911
Address : 72 Roosevelt Drive, PRESTON, CT Latitude: 41.55316 Longitude: -72.041927
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
R0001	P&WA FT4A-8 TURBINE	0.0	0.6	0.0	0.0	0.0	0.1		0.000	0	380	2

2014 Site Information:

Site Name: U S NAVAL SUBMARINE BASE NEW LONDON EIS ID : 2661611 CT ID: SIC Code: 9711
Address : RTE 12-CRYSTAL LAKE RD, GROTON, CT Latitude: 41.398517 Longitude: -72.087231
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	EMERGENCY ENGINES/SEC.3B(E)	0.2	1.7	0.4	0.1	0.1	0.1	0.0	0.000	0	4	1

E0002	3 EMERGENCY ENGINES/SEC.3B(E)	0.0	1.2	0.3	0.0	0.0	0.0	0.0		0	2	1
E0007	MISC. EMERGENCY ENGINES	0.1	1.3	0.3	0.1	0.1	0.1	0.0		0	1	0
E0008	MISC NON-EMERGENCY ENGINES	0.0	0.0	0.0		0.0	0.0	0.0		0	0	0
E0009	MISC. SOLVENT CLEANERS	0.0				0.0		0.0		0		
E0010	B38 PAINT BOOTH FOR WOOD	0.0				0.0		0.0		0		
E0011	PAINT BOOTH: FIBERGLASS BOATS	0.0				0.0		0.0		0		
E0012	MISC. COATING WORK BOOTH B456	0.0				0.0		0.0		0		
E0013	PLASTISOL TANKS	0.0				0.0		0.0		0		
E0014	BUILDING 40 BAKE OVEN	0.0	0.0			0.0	0.0	0.0		0	0	
E0015	MISC COATING SUBJECT TO NESHAP	3.7				0.0		0.0		23		
E0016	BLDG 428 GASOLINE DISPENSING	4.2				0.0		0.0		23		
E0017	OTHER MISC METAL COATING	0.3				0.0		0.0		3		
E0018	Methylene Chloride	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0019	ELECTOSTAT. POWDER COAT SPRUCE BARGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0020	PAINT BOOTH PORT OPERATIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	7	0	0
P0061	WAUKESHA VHP8894 DIESEL B29	0.0	0.2	0.1	0.0	0.0	0.0	0.0		0	1	1
P0075	BLR KEWANEE H35200K02 B325	0.0	0.5	0.1	0.1	0.1	1.0	0.0	0.000	0	0	0
P0096	TG6 TURBINE W/ HRSG	4.8	15.2	10.3	1.3	1.3	0.1	0.4	0.000	22	59	8
P0228	ELECTOSTAT. POWDER COAT - B174				0.0	0.0		0.0				
P0231	ABRASIVE BLAST BOOTH				0.0	0.0		0.0	0.000			
P0238	AIRLESS AIR-ASSISTED SPRAY BOOTH	0.1	0.0	0.0	0.0	0.0		0.0	0.000	1	0	0

P0279	Cleaver Brooks Model CBL-LN Boiler #1s	0.2	1.2	1.7	0.5	0.5	0.4	0.2	0.000	0	0	0
P0283	Cleaver Brooks Model CBL-LN Boiler #4	0.2	0.4	1.2	0.3	0.3	0.1	0.1	0.000	1	1	5
R0196	BLR B&W #1	0.1	4.3	0.0	0.4	0.4	0.0	0.1	0.000	0	0	0
R0198	BLR B&W #3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
U0003	COATING: ENAMEL	0.0				0.0		0.0		0		
U0004	THINNING SOLVENTS: ETHYL ALCOH	0.0				0.0		0.0		0		
U0005	THINNING SOLVENTS: MINERAL SPI	0.0				0.0		0.0		0		
U0006	THINNING SOLVENTS: XYLENE	0.0				0.0		0.0		0		
U0007	COLD SOLVENT CLEANING: 111 TRI	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: WHEELABRATOR LISBON INC EIS ID : 8501611 CT ID: SIC Code: 4953
Address : 425 S BURNHAM HWY, LISBON, CT Latitude: 41.583775 Longitude: -72.041729
County : NEW LONDON Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	EMERGENCY FIRE PUMP	0.0	0.2	0.0	0.0	0.0	0.0	0.0		1	14	3
E0002	EMERGENCY GENERATOR (LIFT STATION)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0003	LIME SILO W/FF VENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0004	2 LIME SLAKERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0005	COOLING TOWER	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.000	0	0	0
P0008	281 TPD MSW INCINERATOR #1	2.6	147.0	5.7	0.7	0.6	13.5	0.5	0.000	15	848	33
P0009	281 TPD MSW INCINERATOR #2	4.4	146.1	8.3	0.8	0.7	17.9	2.1	0.000	25	833	47

P0010	ASH CONDITIONER/HANDLING SYSTEM				0.1	0.0		0.0				

2014 Site Information:

Site Name: UNIV OF CT / STORRS EIS ID : 642611 CT ID: SIC Code: 8221
Address : 31 LEDOYT RD, U-3055, MANSFIELD, CT Latitude: 41.808868 Longitude: -72.256481
County : TOLLAND Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	KHOLER 450 KW DIESEL SO CAMPUS Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0003	WAUKESHA CHILLER ENGINE SO Campus Chiller	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.000	0	1	1
E0005	CUMMINS 35 KW GENERATOR-POULTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	1
E0056	CUMMINS 250 DIESEL ELEC MOBILE	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.000	0	1	0
E0057	ONAN 250 DYB4RS DSL GANT CMPX (IMS)	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.000	0	1	0
E0062	CUMMINS 375KW DSL HIHEAD WATER	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	7	2
E0568	CUMMINS 325KW NG AG-BIO Generator	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.000	0	2	2
E0584	CATERPILLAR 150KW LPG ALUMNI Quad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	1
E0585	KOHLER 65 KW LPG-BUCKLEY HALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0586	KOHLER 60 KW LPG-SHIPPEE HALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0587	ONAN 35 KW LPG-MCMAHON HALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0588	CATERPILLAR 100KW NG CAPSTONE	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	4	4
E0591	KOHLER 17 KW NG HILLTOP Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0592	CATERPILLAR 1500kW DSL BLKSTRT	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.000	1	22	6
E0593	60KW CUMMINS NG WPCF FOOTBALL CMPLX GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

E0594	250KW CUMMINS NG TOWERS Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	5	4
E0595	NG BOILERS HILLTOP APTS (12) EMU-611-622	0.0	0.1	0.7	0.1	0.1	0.0	0.0	0.000	0	0	1
E0596	NG EQUIP HILLTOP CHARTER OAK EMUs-623-1185	0.1	1.2	0.5	0.1	0.1	0.0	0.0	0.000	0	2	1
E0597	NG SMITH DW-1810 BLR HILLTOP Suites	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.000	0	0	0
E0599	Putnam #1 Weil-McLain NG BLR 6.65 MMBtu/hr	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.000	0	0	0
E0600	Putnam #2 Weil-McLain NG BLR 6.65 MMBtu/hr	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.000	0	0	0
E0601	Public Safety CATERPILLAR 175kW DIESEL Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	4	1
E0602	WilliWellfield Chem Bldg CATERPILLAR 600kW DIESEL	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.000	0	11	3
E0603	Reclaimed Water Facility MTU 500kW DIESEL Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	3	1
E0604	Floriculture Bld Olympian 150 kW LPG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	1	2	2
E0605	President's Residence Generac 20 kW NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0606	BIO #4 NG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	1	0
E0607	ELLSWORTH NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0608	HALE NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0609	PUTNAM NG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	1	0
E0610	NEW ATWATER LPG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	1	2	2
E0611	BABBIDGE LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0612	E-PROJECT (Hollister Hall) LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0613	ENG 3 LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0614	FACILITIES OPS LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0615	INFIRMARY (Williams Health Services) LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

E0616	HICKS/GRANGE LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0617	New Fine Arts (NFA) LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0618	Rosebrooks House LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0619	WHITNEY Hall NG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	0	0
E0620	JORG AUDIT Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0621	Wastewater Treatment	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0622	FIELDHOUSE Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	1
E0623	ICE RINK FIRE PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0624	HORSE BARN LIFT STATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0625	SOCCER FIELD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0626	Young Building NG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	2	0
E0627	Basketball Training Facility NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0628	Infirmary Mobile Diesel Generator	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0011	KOHLER DIESEL 350KW BEACH BLDG	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	3	1
P0012	KOHLER DIESEL 600KW PSYC BLDG	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.000	1	28	7
P0015	KOHLER 150ROZJ DIESEL BIO4 ANX	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0018	CUMMINS NT855 DIESEL 230KW Gampel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
P0019	KOHLER 400KW DIESEL FENTON RVR	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
P0024	#1 MITSUBISHI 1250kW GEN CHP	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.000	0	17	4
P0025	#2 MITSUBISHI 1250kW GEN CHP	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.000	0	17	5
P0026	B & W BOILER #9	0.1	1.2	0.3	0.6	0.6	0.0	0.0	0.000	0	0	0

P0027	WAUKESHA CHILLER ENG #1 CHP	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.000	0	0	0
P0028	WAUKESHA CHILLER ENG #3 CHP	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.000	0	0	0
P0032	KOHLER 230 ROZD DIESEL COMMISSARY	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	2	0
P0033	CATERPILAR 3412 DIESEL DODD	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	4	1
P0034	ONAN 100DGDB DIESEL WPCF GURLEYVILLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0035	ONAN 35DGBB Diesel WPCF Eastwood Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0036	ONAN 35DGBB DIESEL WPCF MANSFIELD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	5	1
P0037	ONAN 35DGBB DIESEL WPCF Northwood	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0038	DETROIT DIESEL 100DS NO CAMPUS Parking Garage	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	1	8	2
P0043	KOHLER 150ROZJ DIESEL Fieldhouse Fire Pump	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
P0054	ONAN 500 KW DIESEL GEN/WasteWaterTrtmntPlant	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	0	2	1
P0056	SOLAR TAURUS 70 TURBINE #1 &DB	1.7	2.8	6.0	5.7	5.7	0.8	2.4	0.000	6	15	34
P0061	SOLAR TAURUS 70 TURBINE #2 &DB	1.3	1.8	3.6	3.5	3.5	0.5	1.5	0.000	4	9	19
P0062	SOLAR TAURUS 70 TURBINE #3 &DB	1.6	3.1	6.6	6.2	6.2	0.9	2.7	0.000	8	18	40
R0014	BLR BIGELOW #1	0.1	3.5	1.5	0.1	0.1	0.0	0.0	0.000	0	0	0
R0015	BLR BIGELOW #2	0.1	1.8	0.7	0.1	0.1	0.0	0.0	0.000	0	0	0
R0016	BLR BIGELOW #3	0.1	2.9	1.4	0.1	0.1	0.0	0.0	0.000	0	0	0
R0020	BLR BIGELOW #7	0.1	2.8	1.1	0.2	0.2	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: ALGONQUIN GAS TRANSMISSION (Chaplin) EIS ID : 751611 CT ID: SIC Code: 4922
Address : 539 TOWER HILL RD, CHAPLIN, CT Latitude: 41.814647 Longitude: -72.161132
County : WINDHAM Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	CUMMINGS #GTA-19 GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	4	1
E0002	KEWANEE 1.1 MMBTU/HR GLYCOL HT	0.0	0.1	0.1	0.0	0.0	0.0	0.0		0	3	2
E0003	UNREG VOC FUGITIVE EMISSIONS	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	11	0	0
P0001	SOLAR T7000 GAS TURBINE #1	1.0	20.2	8.9	1.0	1.0	0.5	0.0		9	182	81
P0002	SOLAR T7000 GAS TURBINE #2	0.8	6.7	3.0	0.8	0.8	0.4	0.0		9	70	32
P0006	Solar Taurus 60-7802 turbine (simple cycle)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0

2014 Site Information:

Site Name: FRITO-LAY INC EIS ID : 2765911 CT ID: SIC Code: 2096
Address : 1886 UPPER MAPLE ST, KILLINGLY, CT Latitude: 41.859259 Longitude: -71.891438
County : WINDHAM Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	FIRE PUMP #1 & 2	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	2	0
E0002	EMERGENCY GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
E0005	LINE #4 COOKER	0.0			0.2	0.1		0.0		0		
E0006	LINE #5 COOKER	0.1			0.3	0.1		0.0		0		
E0007	LINE #6 COOKER	0.1			1.8	0.4		0.0		1		

E0008	LINE #6 COOLER				0.8	0.8		0.0				
E0009	LINE #4 OVEN	0.1	1.0	0.8	0.1	0.1	0.0	0.0	0.000	0	6	5
E0010	LINE #5 OVEN A & B	0.1	2.0	1.7	0.2	0.2	0.0	0.1	0.000	1	11	9
E0011	LINE #6 OVEN A & B	0.1	2.0	1.7	0.2	0.2	0.0	0.1	0.000	1	11	9
E0012	LINE #7 POPPER	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.000	0	1	1
E0013	GRAIN HNDLNG-RECEIVING/STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0014	GRAIN HANDLING-TRANSFER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
E0015	GRAIN HANDLING-CLEANING	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.000	0	0	0
E0017	PUMP HOUSE # 1 HEATER	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
E0018	LOGISTICS FURNACE 1 & 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
E0020	PROPANE VAPORIZER	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0
P0012	LINE #1 COOKER	0.0			4.6	0.7		0.0		0		
P0013	LINE #3 COOKER	0.0			1.0	0.4		0.0		0		
P0025	BLR CB-D60 #1	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.000	0	1	1
P0026	BLR CB-D60 #2	0.1	2.1	2.0	0.1	0.1	0.0	0.1	0.000	1	18	17
P0027	BLR CB-D60 #3	0.0	0.4	1.3	0.0	0.0	0.0	0.0	0.000	0	1	3
P0028	LINE #2 COOKER	0.0			4.3	0.6		0.0		0		
P0039	Starch Dryer No. 1				1.3	1.3		0.0				
P0105	SOLAR CENTAUR 50-6200S CHP	19.0	2.5	6.3	2.1	2.1	0.2	0.2	0.000	107	14	35
P0106	Starch Dryer No. 2	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.000	0	0	0
U0001	COLD SOLVENT CLEANING: STODDAR	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: LAKE ROAD GENERATING CO, L.P. EIS ID : 844711 CT ID: SIC Code: 4911
Address : 56 ALEXANDER PARK WAY, KILLINGLY, CT Latitude: 41.870861 Longitude: -71.895575
County : WINDHAM Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0067	ABB COMBUSTION TURBINE #1	3.2	51.3	34.1	20.0	20.0	3.4	29.5	0.000	20	283	209
P0068	ABB COMBUSTION TURBINE #2	5.0	43.7	24.4	25.6	25.6	3.1	17.4	0.000	37	276	140
P0069	ABB COMBUSTION TURBINE #3	5.4	47.7	26.9	21.6	21.6	3.5	17.2	0.000	38	278	138
P0070	GPEE DIESEL FIRE PUMP	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.000	1	5	1
P0071	GPEE DIESEL #1	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	2	0
P0072	GPEE DIESEL #2	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	2	0
P0073	GPEE DIESEL #3	0.0	0.1	0.0	0.0	0.0	0.0	0.0		0	2	0
P0079	ABOVE GROUND STORAGE TANK	0.0				0.0		0.0		0		

2014 Site Information:

Site Name: PLAINFIELD RENEWABLE ENRGY LLC EIS ID : 16734111 CT ID: SIC Code: 4911
Address : Norwich Road and Mill Brook Road, PLAINFIELD, CT Latitude: 41.763099 Longitude: -72.678796
County : WINDHAM Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0002	Emergency Generator - Cummins DFEK Reciprocating Diesel	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.000	0	8	1
E0003	Pump House - Cummins DSGAC Reciprocating Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0
E0004	Fire Pump - Clarke JU4H-UFADY8 Diesel Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	1	0

P0049	Biomass Fluidized Bed Gasification Plant	8.1	59.1	71.2	25.3	25.3	23.6	0.1	0.000	97	762	854

2014 Site Information:

Site Name: ReEnergy Sterling EIS ID : 2766111 CT ID: SIC Code: 4911
Address : 10 EXETER DR, STERLING IND PRK, STERLING, CT Latitude: 41.709691 Longitude: -71.822223
County : WINDHAM Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
P0001	STANDARD KESSEL INC/BLR B1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0002	STANDARD KESSEL INC/BLR B2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0
P0003	CUMMINS 1100KW KTA52 DIESEL #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0	0	0

2014 Site Information:

Site Name: TEGRANT DIVERSIFIED BRANDS,INC EIS ID : 844811 CT ID: SIC Code: 3086
Address : 29 PARK RD, PUTNAM, CT Latitude: 41.89428 Longitude: -71.895428
County : WINDHAM Ozone Status Area : Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2014 Source Level Information:

		Annual Emissions (tons /								Daily Emissions (lbs/ day)		
Point ID	Source Name	VOC	NO	CO	PM10	PM2.5	SO	NH3	Lead	VOC	NO	CO
E0001	BLR CB 200-200	0.0	0.7	0.6	0.1	0.1	0.0	0.0	0.000	0	7	6
E0002	BLR CB 400-200	0.0	0.8	0.7	0.1	0.1	0.0	0.0	0.000	0	7	6
E0003	BLR CB 200-150	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.000	0	5	4
P0017	POLYSTYRENE FOAM MOLDING	28.0				0.0		0.0		155		

Appendix D Allocation Factors

Table D-1: SCC with PEI Section, EPA Data Category and Summer Day Allocation Method

PEI Section/ PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
Section 2.0				
Point	All 8 digit SCCs	Point	Various	Data
Section 3.0				
ONROAD	22-01-11-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Motorcycle - All on and off-network processes except refueling	Data
ONROAD	22-01-21-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-01-31-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Passenger Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-32-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Light Commercial Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-42-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-01-43-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - School Bus - All on and off-network processes except refueling	Data
ONROAD	22-01-51-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Refuse Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-52-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Single Unit Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-53-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Single Unit Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-01-54-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Motor Home - All on and off-network processes except refueling	Data
ONROAD	22-01-61-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Combination Short-haul Truck - All on and off-network processes except refueling	Data

ONROAD	22-02-21-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-02-31-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Passenger Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-32-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Light Commercial Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-41-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Other Buses - All on and off-network processes except refueling	Data
ONROAD	22-02-42-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-02-43-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - School Bus - All on and off-network processes except refueling	Data
ONROAD	22-02-51-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Refuse Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-52-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Single Unit Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-53-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Single Unit Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-54-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Motor Home - All on and off-network processes except refueling	Data
ONROAD	22-02-61-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Combination Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-62-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Combination Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-03-42-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-05-21-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-05-31-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Passenger Truck - All on and off-network processes except refueling	Data

ONROAD	22-05-32-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Light Commercial Truck - All on and off-network processes except refueling	Data
NONROAD Agricultural Equipment	22-60-005-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Agricultural Equipment - Sprayers	Data
NONROAD Agricultural Equipment	22-65-005-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - 2-Wheel Tractors	Data
NONROAD Agricultural Equipment	22-65-005-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Agricultural Tractors	Data
NONROAD Agricultural Equipment	22-65-005-025	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Balers	Data
NONROAD Agricultural Equipment	22-65-005-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Agricultural Mowers	Data
NONROAD Agricultural Equipment	22-65-005-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Sprayers	Data
NONROAD Agricultural Equipment	22-65-005-040	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Tillers > 6 HP	Data
NONROAD Agricultural Equipment	22-65-005-045	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Swathers	Data
NONROAD Agricultural Equipment	22-65-005-055	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Other Agricultural Equipment	Data

NONROAD Agricultural Equipment	22-65-005-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Agricultural Equipment - Irrigation Sets	Data
NONROAD Agricultural Equipment	22-68-005-055	Nonroad	Mobile Sources - CNG - Agricultural Equipment - Other Agricultural Equipment	Data
NONROAD Agricultural Equipment	22-68-005-060	Nonroad	Mobile Sources - CNG - Agricultural Equipment - Irrigation Sets	Data
NONROAD Agricultural Equipment	22-70-005-010	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - 2-Wheel Tractors	Data
NONROAD Agricultural Equipment	22-70-005-015	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Agricultural Tractors	Data
NONROAD Agricultural Equipment	22-70-005-020	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Combines	Data
NONROAD Agricultural Equipment	22-70-005-025	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Balers	Data
NONROAD Agricultural Equipment	22-70-005-030	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Agricultural Mowers	Data
NONROAD Agricultural Equipment	22-70-005-035	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Sprayers	Data
NONROAD Agricultural Equipment	22-70-005-045	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Swathers	Data

NONROAD Agricultural Equipment	22-70-005-055	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Other Agricultural Equipment	Data
NONROAD Agricultural Equipment	22-70-005-060	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Agricultural Equipment - Irrigation Sets	Data
NONROAD Aircraft	22-75-00-1000	Point	Mobile Sources - Aircraft - Military Aircraft - Total	Data
NONROAD Aircraft	22-75-02-0000	Point	Mobile Sources - Aircraft - Commercial Aircraft - Total: All Types	Data
NONROAD Aircraft	22-75-05-0011	Point	Mobile Sources - Aircraft - General Aviation - Piston	Data
NONROAD Aircraft	22-75-05-0012	Point	Mobile Sources - Aircraft - General Aviation - Turbine	Data
NONROAD Aircraft	22-75-06-0011	Point	Mobile Sources - Aircraft - Air Taxi - Piston	Data
NONROAD Aircraft	22-75-06-0012	Point	Mobile Sources - Aircraft - Air Taxi - Turbine	Data
NONROAD Aircraft	22-75-07-0000	Point	Mobile Sources - Aircraft - Aircraft Auxiliary Power Units - Total	Data
NONROAD Aircraft	22-75-087-000	Nonpoint	Mobile Sources - Aircraft - In-flight (non-Landing-Takeoff cycle) - Total	No Annual CO, VOC or NOx
NONROAD Airport Equipment	22-65-00-8005	Point	Mobile Sources - Off-highway Vehicle Gasoline - Airport Ground Support Equipment - 4-Stroke Airport Ground Support Equipment	Data
NONROAD Airport Equipment	22-67-00-8005	Point	Mobile Sources - Off-highway Vehicle LPG - Airport Ground Support Equipment - LPG Airport Ground Support Equipment	Data
NONROAD Airport Equipment	22-68-00-8005	Point	Mobile Sources - Off-highway Vehicle CNG - Airport Ground Support Equipment - CNG Airport Ground Support Equipment	Data

NONROAD Airport Equipment	22-70-00-8005	Point	Mobile Sources - Off-highway Vehicle Diesel - Airport Ground Support Equipment - Airport Ground Support Equipment	Data
NONROAD Commercial Equipment	22-60-006-005	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-60-006-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-60-006-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Commercial Equipment - Air Compressors	Data
NONROAD Commercial Equipment	22-60-006-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Commercial Equipment - Hydro-power Units	Data
NONROAD Commercial Equipment	22-65-006-005	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-65-006-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-65-006-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Air Compressors	Data
NONROAD Commercial Equipment	22-65-006-025	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Welders	Data
NONROAD Commercial Equipment	22-65-006-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Pressure Washers	Data

NONROAD Commercial Equipment	22-65-006-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Commercial Equipment - Hydro-power Units	Data
NONROAD Commercial Equipment	22-67-006-005	Nonroad	Mobile Sources - LPG - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-67-006-010	Nonroad	Mobile Sources - LPG - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-67-006-015	Nonroad	Mobile Sources - LPG - Commercial Equipment - Air Compressors	Data
NONROAD Commercial Equipment	22-67-006-025	Nonroad	Mobile Sources - LPG - Commercial Equipment - Welders	Data
NONROAD Commercial Equipment	22-67-006-030	Nonroad	Mobile Sources - LPG - Commercial Equipment - Pressure Washers	Data
NONROAD Commercial Equipment	22-67-006-035	Nonroad	Mobile Sources - LPG - Commercial Equipment - Hydro-power Units	Data
NONROAD Commercial Equipment	22-68-006-005	Nonroad	Mobile Sources - CNG - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-68-006-010	Nonroad	Mobile Sources - CNG - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-68-006-015	Nonroad	Mobile Sources - CNG - Commercial Equipment - Air Compressors	Data

NONROAD Commercial Equipment	22-68-006-020	Nonroad	Mobile Sources - CNG - Commercial Equipment - Gas Compressors	Data
NONROAD Commercial Equipment	22-70-006-005	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Generator Sets	Data
NONROAD Commercial Equipment	22-70-006-010	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Pumps	Data
NONROAD Commercial Equipment	22-70-006-015	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Air Compressors	Data
NONROAD Commercial Equipment	22-70-006-025	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Welders	Data
NONROAD Commercial Equipment	22-70-006-030	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Pressure Washers	Data
NONROAD Commercial Equipment	22-70-006-035	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Commercial Equipment - Hydro-power Units	Data
NONROAD Commercial Marine Vessels	22-80-002-100	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - Port emissions	Factor
NONROAD Commercial Marine Vessels	22-80-002-200	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - Underway emissions	Factor
NONROAD Commercial Marine Vessels	22-80-003-100	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - Port emissions	Factor

NONROAD Commercial Marine Vessels	22-80-003-200	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - Underway emissions	Factor
NONROAD Construction and Mining Equipment	22-60-002-006	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Tampers/Rammers	Data
NONROAD Construction and Mining Equipment	22-60-002-009	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Plate Compactors	Data
NONROAD Construction and Mining Equipment	22-60-002-021	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Paving Equipment	Data
NONROAD Construction and Mining Equipment	22-60-002-027	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Signal Boards/Light Plants	Data
NONROAD Construction and Mining Equipment	22-60-002-039	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Concrete/Industrial Saws	Data
NONROAD Construction and Mining Equipment	22-60-002-054	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Construction and Mining Equipment - Crushing/Processing Equipment	Data
NONROAD Construction and Mining Equipment	22-65-002-003	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Pavers	Data

NONROAD Construction and Mining Equipment	22-65-002-006	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Tampers/Rammers	Data
NONROAD Construction and Mining Equipment	22-65-002-009	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Plate Compactors	Data
NONROAD Construction and Mining Equipment	22-65-002-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Rollers	Data
NONROAD Construction and Mining Equipment	22-65-002-021	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Paving Equipment	Data
NONROAD Construction and Mining Equipment	22-65-002-024	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Surfacing Equipment	Data
NONROAD Construction and Mining Equipment	22-65-002-027	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Signal Boards/Light Plants	Data
NONROAD Construction and Mining Equipment	22-65-002-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Trenchers	Data

NONROAD Construction and Mining Equipment	22-65-002-033	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Bore/Drill Rigs	Data
NONROAD Construction and Mining Equipment	22-65-002-039	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Concrete/Industrial Saws	Data
NONROAD Construction and Mining Equipment	22-65-002-042	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Cement and Mortar Mixers	Data
NONROAD Construction and Mining Equipment	22-65-002-045	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Cranes	Data
NONROAD Construction and Mining Equipment	22-65-002-054	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Crushing/Processing Equipment	Data
NONROAD Construction and Mining Equipment	22-65-002-057	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Rough Terrain Forklifts	Data
NONROAD Construction and Mining Equipment	22-65-002-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Rubber Tire Loaders	Data

NONROAD Construction and Mining Equipment	22-65-002-066	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Tractors/Loaders/Backhoes	Data
NONROAD Construction and Mining Equipment	22-65-002-072	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Skid Steer Loaders	Data
NONROAD Construction and Mining Equipment	22-65-002-078	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Dumpers/Tenders	Data
NONROAD Construction and Mining Equipment	22-65-002-081	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Construction and Mining Equipment - Other Construction Equipment	Data
NONROAD Construction and Mining Equipment	22-67-002-003	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Pavers	Data
NONROAD Construction and Mining Equipment	22-67-002-015	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Rollers	Data
NONROAD Construction and Mining Equipment	22-67-002-021	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Paving Equipment	Data

NONROAD Construction and Mining Equipment	22-67-002-024	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Surfacing Equipment	Data
NONROAD Construction and Mining Equipment	22-67-002-030	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Trenchers	Data
NONROAD Construction and Mining Equipment	22-67-002-033	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Bore/Drill Rigs	Data
NONROAD Construction and Mining Equipment	22-67-002-039	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Concrete/Industrial Saws	Data
NONROAD Construction and Mining Equipment	22-67-002-045	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Cranes	Data
NONROAD Construction and Mining Equipment	22-67-002-054	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Crushing/Processing Equipment	Data
NONROAD Construction and Mining Equipment	22-67-002-057	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Rough Terrain Forklifts	Data

NONROAD Construction and Mining Equipment	22-67-002-060	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Rubber Tire Loaders	Data
NONROAD Construction and Mining Equipment	22-67-002-066	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Tractors/Loaders/Backhoes	Data
NONROAD Construction and Mining Equipment	22-67-002-072	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Skid Steer Loaders	Data
NONROAD Construction and Mining Equipment	22-67-002-081	Nonroad	Mobile Sources - LPG - Construction and Mining Equipment - Other Construction Equipment	Data
NONROAD Construction and Mining Equipment	22-68-002-081	Nonroad	Mobile Sources - CNG - Construction and Mining Equipment - Other Construction Equipment	Data
NONROAD Construction and Mining Equipment	22-70-002-003	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Pavers	Data
NONROAD Construction and Mining Equipment	22-70-002-006	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Tampers/Rammers	Data

NONROAD Construction and Mining Equipment	22-70-002-009	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Plate Compactors	Data
NONROAD Construction and Mining Equipment	22-70-002-015	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Rollers	Data
NONROAD Construction and Mining Equipment	22-70-002-018	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Scrapers	Data
NONROAD Construction and Mining Equipment	22-70-002-021	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Paving Equipment	Data
NONROAD Construction and Mining Equipment	22-70-002-024	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Surfacing Equipment	Data
NONROAD Construction and Mining Equipment	22-70-002-027	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Signal Boards/Light Plants	Data
NONROAD Construction and Mining Equipment	22-70-002-030	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Trenchers	Data

NONROAD Construction and Mining Equipment	22-70-002-033	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Bore/Drill Rigs	Data
NONROAD Construction and Mining Equipment	22-70-002-036	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Excavators	Data
NONROAD Construction and Mining Equipment	22-70-002-039	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Concrete/Industrial Saws	Data
NONROAD Construction and Mining Equipment	22-70-002-042	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Cement and Mortar Mixers	Data
NONROAD Construction and Mining Equipment	22-70-002-045	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Cranes	Data
NONROAD Construction and Mining Equipment	22-70-002-048	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Graders	Data
NONROAD Construction and Mining Equipment	22-70-002-051	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Off-highway Trucks	Data

NONROAD Construction and Mining Equipment	22-70-002-054	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Crushing/Processing Equipment	Data
NONROAD Construction and Mining Equipment	22-70-002-057	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Rough Terrain Forklifts	Data
NONROAD Construction and Mining Equipment	22-70-002-060	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Rubber Tire Loaders	Data
NONROAD Construction and Mining Equipment	22-70-002-066	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Tractors/Loaders/Backhoes	Data
NONROAD Construction and Mining Equipment	22-70-002-069	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Crawler Tractor/Dozers	Data
NONROAD Construction and Mining Equipment	22-70-002-072	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Skid Steer Loaders	Data
NONROAD Construction and Mining Equipment	22-70-002-075	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Off-highway Tractors	Data

NONROAD Construction and Mining Equipment	22-70-002-078	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Dumpers/Tenders	Data
NONROAD Construction and Mining Equipment	22-70-002-081	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Construction and Mining Equipment - Other Construction Equipment	Data
NONROAD Industrial Equipment	22-60-003-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-60-003-040	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-65-003-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Aerial Lifts	Data
NONROAD Industrial Equipment	22-65-003-020	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Forklifts	Data
NONROAD Industrial Equipment	22-65-003-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-65-003-040	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-65-003-050	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Other Material Handling Equipment	Data

NONROAD Industrial Equipment	22-65-003-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Industrial Equipment - 4-Stroke AC\Refrigeration	Data
NONROAD Industrial Equipment	22-65-003-070	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Industrial Equipment - Terminal Tractors	Data
NONROAD Industrial Equipment	22-65-010-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Industrial Equipment - 4-Stroke Other Oil Field Equipment	Data
NONROAD Industrial Equipment	22-67-003-010	Nonroad	Mobile Sources - LPG - Industrial Equipment - Aerial Lifts	Data
NONROAD Industrial Equipment	22-67-003-020	Nonroad	Mobile Sources - LPG - Industrial Equipment - Forklifts	Data
NONROAD Industrial Equipment	22-67-003-030	Nonroad	Mobile Sources - LPG - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-67-003-040	Nonroad	Mobile Sources - LPG - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-67-003-050	Nonroad	Mobile Sources - LPG - Industrial Equipment - Other Material Handling Equipment	Data
NONROAD Industrial Equipment	22-67-003-070	Nonroad	Mobile Sources - LPG - Industrial Equipment - Terminal Tractors	Data
NONROAD Industrial Equipment	22-68-003-020	Nonroad	Mobile Sources - CNG - Industrial Equipment - Forklifts	Data

NONROAD Industrial Equipment	22-68-003-030	Nonroad	Mobile Sources - CNG - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-68-003-040	Nonroad	Mobile Sources - CNG - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-68-003-060	Nonroad	Mobile Sources - Off-highway Vehicle CNG - Industrial Equipment - CNG AC\Refrigeration	Data
NONROAD Industrial Equipment	22-68-003-070	Nonroad	Mobile Sources - CNG - Industrial Equipment - Terminal Tractors	Data
NONROAD Industrial Equipment	22-68-010-010	Nonroad	Mobile Sources - Off-highway Vehicle CNG - Industrial Equipment - CNG Other Oil Field Equipment	Data
NONROAD Industrial Equipment	22-70-003-010	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Aerial Lifts	Data
NONROAD Industrial Equipment	22-70-003-020	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Forklifts	Data
NONROAD Industrial Equipment	22-70-003-030	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Sweepers/Scrubbers	Data
NONROAD Industrial Equipment	22-70-003-040	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Other General Industrial Equipment	Data
NONROAD Industrial Equipment	22-70-003-050	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Other Material Handling Equipment	Data

NONROAD Industrial Equipment	22-70-003-060	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - AC\Refrigeration	Data
NONROAD Industrial Equipment	22-70-003-070	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Terminal Tractors	Data
NONROAD Industrial Equipment	22-70-010-010	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Industrial Equipment - Other Oil Field Equipment	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-016	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Rotary Tillers < 6 HP (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-021	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Chain Saws < 6 HP (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-026	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Trimmers/Edgers/Brush Cutters (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-60-004-031	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Leafblowers/Vacuums (Commercial)	Data
NONROAD Lawn and Garden	22-60-004-036	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Snowblowers (Commercial)	Data

Equipment (Com)				
NONROAD Lawn and Garden Equipment (Com)	22-60-004-071	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Turf Equipment (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-011	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Lawn Mowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-016	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Rotary Tillers < 6 HP (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-026	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Trimmers/Edgers/Brush Cutters (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-031	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Leafblowers/Vacuums (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-036	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 4-Stroke Snowblowers (Commercial)	Data

NONROAD Lawn and Garden Equipment (Com)	22-65-004-041	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Rear Engine Riding Mowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-046	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Front Mowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-051	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Shredders < 6 HP (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-056	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Lawn and Garden Tractors (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-066	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Chippers/Stump Grinders (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-65-004-071	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Turf Equipment (Commercial)	Data
NONROAD Lawn and Garden	22-65-004-076	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Other Lawn and Garden Equipment (Commercial)	Data

Equipment (Com)				
NONROAD Lawn and Garden Equipment (Com)	22-67-004-066	Nonroad	Mobile Sources - LPG - Lawn and Garden Equipment - Chippers/Stump Grinders (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-031	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Leafblowers/Vacuums (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-036	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Snowblowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-046	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Front Mowers (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-056	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Lawn and Garden Tractors (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-066	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Chippers/Stump Grinders (Commercial)	Data

NONROAD Lawn and Garden Equipment (Com)	22-70-004-071	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Turf Equipment (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-70-004-076	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Lawn and Garden Equipment - Other Lawn and Garden Equipment (Commercial)	Data
NONROAD Lawn and Garden Equipment (Res)	22-60-004-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Rotary Tillers < 6 HP (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-60-004-020	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Chain Saws < 6 HP (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-60-004-025	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Trimmers/Edgers/Brush Cutters (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-60-004-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Lawn and Garden Equipment - Leafblowers/Vacuums (Residential)	Data
NONROAD Lawn and Garden	22-60-004-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Snowblowers (Residential)	Data

Equipment (Res)				
NONROAD Lawn and Garden Equipment (Res)	22-65-004-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Lawn Mowers (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Rotary Tillers < 6 HP (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-025	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Trimmers/Edgers/Brush Cutters (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Leafblowers/Vacuums (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 4-Stroke Snowblowers (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-040	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Rear Engine Riding Mowers (Residential)	Data

NONROAD Lawn and Garden Equipment (Res)	22-65-004-055	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Lawn and Garden Tractors (Residential)	Data
NONROAD Lawn and Garden Equipment (Res)	22-65-004-075	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Other Lawn and Garden Equipment (Residential)	Data
NONROAD Locomotives	22-85-002-006	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Line Haul Locomotives: Class I Operations	Factor
NONROAD Locomotives	22-85-002-007	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Line Haul Locomotives: Class II / III Operations	Factor
NONROAD Locomotives	22-85-002-008	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Line Haul Locomotives: Passenger Trains (Amtrak)	Factor
NONROAD Locomotives	22-85-002-009	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Line Haul Locomotives: Commuter Lines	Factor
NONROAD Locomotives	22-85-002-010	Nonpoint	Mobile Sources - Railroad Equipment - Diesel - Yard Locomotives	No Annual CO, VOC or NOx
NONROAD Logging Equipment	22-60-007-005	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Logging Equipment - Chain Saws > 6 HP	Data
NONROAD Logging Equipment	22-65-007-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Logging Equipment - Shredders > 6 HP	Data
NONROAD Logging Equipment	22-65-007-015	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Logging Equipment - Forest Eqp - Feller/Bunch/Skidder	Data
NONROAD Logging Equipment	22-70-007-015	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Logging Equipment - Forest Eqp - Feller/Bunch/Skidder	Data

NONROAD Pleasure Craft	22-82-005-010	Nonroad	Mobile Sources - Pleasure Craft - Gasoline 2-Stroke - Outboard	Data
NONROAD Pleasure Craft	22-82-005-015	Nonroad	Mobile Sources - Pleasure Craft - Gasoline 2-Stroke - Personal Water Craft	Data
NONROAD Pleasure Craft	22-82-010-005	Nonroad	Mobile Sources - Pleasure Craft - Gasoline 4-Stroke - Inboard/Sterndrive	Data
NONROAD Pleasure Craft	22-82-020-005	Nonroad	Mobile Sources - Pleasure Craft - Diesel - Inboard/Sterndrive	Data
NONROAD Pleasure Craft	22-82-020-010	Nonroad	Mobile Sources - Pleasure Craft - Diesel - Outboard	Data
NONROAD Railroad Equipment	22-85-002-015	Nonroad	Mobile Sources - Railroad Equipment - Diesel - Railway Maintenance	Data
NONROAD Railroad Equipment	22-85-004-015	Nonroad	Mobile Sources - Railroad Equipment - Gasoline, 4-Stroke - Railway Maintenance	Data
NONROAD Railroad Equipment	22-85-006-015	Nonroad	Mobile Sources - Railroad Equipment - LPG - Railway Maintenance	Data
NONROAD Recreational Equipment	22-60-001-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Recreational Equipment - Motorcycles: Off-road	Data
NONROAD Recreational Equipment	22-60-001-020	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Recreational Equipment - 2-Stroke Snowmobiles	Data
NONROAD Recreational Equipment	22-60-001-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 2-Stroke - Recreational Equipment - All Terrain Vehicles	Data
NONROAD Recreational Equipment	22-60-001-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Recreational Equipment - 2-Stroke Specialty Vehicles/Carts	Data

NONROAD Recreational Equipment	22-65-001-010	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Recreational Equipment - Motorcycles: Off-road	Data
NONROAD Recreational Equipment	22-65-001-030	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Recreational Equipment - All Terrain Vehicles	Data
NONROAD Recreational Equipment	22-65-001-050	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Recreational Equipment - 4-Stroke Golf Carts	Data
NONROAD Recreational Equipment	22-65-001-060	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Recreational Equipment - 4-Stroke Specialty Vehicles/Carts	Data
NONROAD Recreational Equipment	22-67-001-060	Nonroad	Mobile Sources - Off-highway Vehicle LPG - Recreational Equipment - LPG Specialty Vehicles/Carts	Data
NONROAD Recreational Equipment	22-70-001-060	Nonroad	Mobile Sources - Off-highway Vehicle Diesel - Recreational Equipment - Specialty Vehicles/Carts	Data
Section 4.0				
NONPOINT Section 4.1.2.1	21-02-001-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Anthracite Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.2.1	21-02-002-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Bituminous/Subbituminous Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.2.2	21-02-004-001	Nonpoint	Stationary Source Fuel Combustion - Industrial - Distillate Oil - All Boiler Types	Factor
NONPOINT Section 4.1.2.2	21-02-004-002	Nonpoint	Stationary Source Fuel Combustion - Industrial - Distillate Oil - All IC Engine Types	Factor
NONPOINT Section 4.1.2.3	21-02-005-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Residual Oil - Total: All Boiler Types	Factor

NONPOINT Section 4.1.2.4	21-02-006-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Natural Gas - Total: Boilers and IC Engines	Factor
NONPOINT Section 4.1.2.5	21-02-007-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Liquified Petroleum Gas (LPG) - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.6	21-02-008-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Wood - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.7	21-02-011-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Kerosene - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.1	21-03-001-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Anthracite Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.2.1	21-03-002-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Bituminous/Subbituminous Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.2.2	21-03-004-001	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers	Factor
NONPOINT Section 4.1.2.2	21-03-004-002	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - IC Engines	Factor
NONPOINT Section 4.1.2.3	21-03-005-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.4	21-03-006-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Natural Gas - Total: Boilers and IC Engines	Factor
NONPOINT Section 4.1.2.5	21-03-007-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Liquified Petroleum Gas (LPG) - Total: All Combustor Types	Factor
NONPOINT Section 4.1.2.6	21-03-008-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Wood - Total: All Boiler Types	Factor
NONPOINT Section 4.1.2.7	21-03-011-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Kerosene - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.1	21-04-001-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Anthracite Coal - Total: All Combustor Types	No Annual CO, VOC or NOx
NONPOINT Section 4.1.3.1	21-04-002-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Bituminous/Subbituminous Coal - Total: All Combustor Types	No Annual CO, VOC or NOx

NONPOINT Section 4.1.3.2	21-04-004-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Distillate Oil - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.4	21-04-006-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Natural Gas - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.5	21-04-007-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Liquified Petroleum Gas (LPG) - Total: All Combustor Types	Factor
NONPOINT Section 4.1.3.6	21-04-008-100	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Fireplace: general	Factor
NONPOINT Section 4.1.3.6	21-04-008-210	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; non-EPA certified	Factor
NONPOINT Section 4.1.3.6	21-04-008-220	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; non-catalytic	Factor
NONPOINT Section 4.1.3.6	21-04-008-230	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; catalytic	Factor
NONPOINT Section 4.1.3.6	21-04-008-310	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, non-EPA certified	Factor
NONPOINT Section 4.1.3.6	21-04-008-320	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, non-catalytic	Factor
NONPOINT Section 4.1.3.6	21-04-008-330	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, catalytic	Factor
NONPOINT Section 4.1.3.6	21-04-008-400	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: pellet-fired, general (freestanding or FP insert)	Factor
NONPOINT Section 4.1.3.6	21-04-008-510	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, cordwood-fired, non-EPA certified	Factor
NONPOINT Section 4.1.3.6	21-04-008-610	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor	Factor
NONPOINT Section 4.1.3.6	21-04-008-700	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimeas, etc)	Factor
NONPOINT Section 4.1.3.6	21-04-009-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Firelog - Total: All Combustor Types	Factor

NONPOINT Section 4.1.3.7	21-04-011-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Kerosene - Total: All Heater Types	Factor
NONPOINT Section 4.2.4	22-01-00-0062	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement	Data
NONPOINT Section 4.2.4	22-02-00-0062	Onroad	Mobile Sources - Highway Vehicles - Diesel - Refueling - Total Spillage and Displacement	Factor
NONPOINT Section 4.5.1	22-94-000-000	Nonpoint	Mobile Sources - Paved Roads - All Paved Roads - Total: Fugitives	No Annual CO, VOC or NOx
NONPOINT Section 4.5.1	22-94-000-002	Nonpoint	Mobile Sources - Paved Roads - All Paved Roads - Total: Sanding/Salting - Fugitives	No Annual CO, VOC or NOx
NONPOINT Section 4.5.2	22-96-000-000	Nonpoint	Mobile Sources - Unpaved Roads - All Unpaved Roads - Total: Fugitives	No Annual CO, VOC or NOx
NONPOINT Section 4.7.2	23-02-002-100	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Conveyorized Charbroiling	Factor
NONPOINT Section 4.7.2	23-02-002-200	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Under-fired Charbroiling	Factor
NONPOINT Section 4.7.2	23-02-003-000	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Deep Fat Frying	Factor
NONPOINT Section 4.7.2	23-02-003-100	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Flat Griddle Frying	Factor
NONPOINT Section 4.7.2	23-02-003-200	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Clamshell Griddle Frying	Factor
NONPOINT Section 4.6	23-10-000-220	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Drill Rigs	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-000-330	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Artificial Lift	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-000-550	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-000-660	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Hydraulic Fracturing Engines	No Annual CO, VOC or NOx

NONPOINT Section 4.6	23-10-010-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Heaters	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-010-200	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Tanks - Flashing & Standing/Working/Breathing	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-010-300	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Pneumatic Devices	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-000	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Total: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-201	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Tank Truck/Railcar Loading: Crude Oil	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-501	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Connectors	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-502	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Flanges	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-503	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Open Ended Lines	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-011-505	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Valves	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-010	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Storage Tanks: Condensate	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-030	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Tank Truck/Railcar Loading: Condensate	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Heaters	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-102	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-202	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-251	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Lean Burn	No Annual CO, VOC or NOx

NONPOINT Section 4.6	23-10-021-300	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Pneumatic Devices	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-302	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-351	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Rich Burn	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-400	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Dehydrators	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-501	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Connectors	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-502	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Flanges	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-503	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Open Ended Lines	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-505	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Valves	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-506	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Other	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-021-603	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Venting - Blowdowns	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-010	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Storage Tanks: Condensate	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-030	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Tank Truck/Railcar Loading: Condensate	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Heaters	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-102	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-202	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx

NONPOINT Section 4.6	23-10-023-251	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Lateral Compressors 4 Cycle Lean Burn	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-300	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Devices	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-302	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-310	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Pumps	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-351	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Lateral Compressors 4 Cycle Rich Burn	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-400	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Dehydrators	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-511	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Connectors	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-512	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Flanges	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-513	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Open Ended Lines	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-515	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Valves	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-516	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Other	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-600	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Completion: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-603	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Venting - Blowdowns	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-023-606	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Mud Degassing	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-111-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Mud Degassing	No Annual CO, VOC or NOx

NONPOINT Section 4.6	23-10-111-401	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Pneumatic Pumps	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-111-700	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Completion: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-121-100	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Mud Degassing	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-121-401	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Pneumatic Pumps	No Annual CO, VOC or NOx
NONPOINT Section 4.6	23-10-121-700	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Completion: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.5.3.2	23-11-010-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Residential - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.5.3.1	23-11-020-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.5.3.3	23-11-030-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Road Construction - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.7.1	23-25-000-000	Nonpoint	Industrial Processes - Mining and Quarrying: SIC 10 and SIC 14 - All Processes - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.3.5	24-01-001-000	Nonpoint	Solvent Utilization - Surface Coating - Architectural Coatings - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-005-000	Nonpoint	Solvent Utilization - Surface Coating - Auto Refinishing: SIC 7532 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-008-000	Nonpoint	Solvent Utilization - Surface Coating - Traffic Markings - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-015-000	Nonpoint	Solvent Utilization - Surface Coating - Factory Finished Wood: SIC 2426 thru 242 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-020-000	Nonpoint	Solvent Utilization - Surface Coating - Wood Furniture: SIC 25 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-025-000	Nonpoint	Solvent Utilization - Surface Coating - Metal Furniture: SIC 25 - Total: All Solvent Types	Factor

NONPOINT Section 4.3.5	24-01-030-000	Nonpoint	Solvent Utilization - Surface Coating - Paper: SIC 26 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-040-000	Nonpoint	Solvent Utilization - Surface Coating - Metal Cans: SIC 341 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-055-000	Nonpoint	Solvent Utilization - Surface Coating - Machinery and Equipment: SIC 35 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-060-000	Nonpoint	Solvent Utilization - Surface Coating - Large Appliances: SIC 363 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-065-000	Nonpoint	Solvent Utilization - Surface Coating - Electronic and Other Electrical: SIC 36 - 363 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-070-000	Nonpoint	Solvent Utilization - Surface Coating - Motor Vehicles: SIC 371 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-075-000	Nonpoint	Solvent Utilization - Surface Coating - Aircraft: SIC 372 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-080-000	Nonpoint	Solvent Utilization - Surface Coating - Marine: SIC 373 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-085-000	Nonpoint	Solvent Utilization - Surface Coating - Railroad: SIC 374 - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-090-000	Nonpoint	Solvent Utilization - Surface Coating - Miscellaneous Manufacturing - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-100-000	Nonpoint	Solvent Utilization - Surface Coating - Industrial Maintenance Coatings - Total: All Solvent Types	Factor
NONPOINT Section 4.3.5	24-01-200-000	Nonpoint	Solvent Utilization - Surface Coating - Other Special Purpose Coatings - Total: All Solvent Types	Factor
NONPOINT Section 4.3.1	24-15-000-000	Nonpoint	Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types	Factor
NONPOINT Section 4.3.2	24-20-000-000	Nonpoint	Solvent Utilization - Dry Cleaning - All Processes - Total: All Solvent Types	Factor
NONPOINT Section 4.3.3	24-25-000-000	Nonpoint	Solvent Utilization - Graphic Arts - All Processes - Total: All Solvent Types	Factor

NONPOINT Section 4.3.4	24-60-100-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Personal Care Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-200-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Household Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-400-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Automotive Aftermarket Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-500-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Coatings and Related Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-600-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Adhesives and Sealants - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-800-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All FIFRA Related Products - Total: All Solvent Types	Factor
NONPOINT Section 4.3.4	24-60-900-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Miscellaneous Products (Not Otherwise Covered) - Total: All Solvent Types	Factor
NONPOINT Section 4.3.6	24-61-021-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Cutback Asphalt - Total: All Solvent Types	No Annual CO, VOC or NOx
NONPOINT Section 4.3.6	24-61-022-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Emulsified Asphalt - Total: All Solvent Types	No Annual CO, VOC or NOx
NONPOINT Section 4.4.5	24-61-850-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Pesticide Application: Agricultural - All Processes	Factor
NONPOINT Section 4.2.6	25-01-011-011	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Permeation	Factor
NONPOINT Section 4.2.6	25-01-011-012	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Evaporation (includes Diurnal losses)	Factor
NONPOINT Section 4.2.6	25-01-011-013	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Spillage During Transport	Factor
NONPOINT Section 4.2.6	25-01-011-014	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Vapor Displacement	Factor
NONPOINT Section 4.2.6	25-01-011-015	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Spillage	Factor

NONPOINT Section 4.2.6	25-01-012-011	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Permeation	Factor
NONPOINT Section 4.2.6	25-01-012-012	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Evaporation (includes Diurnal losses)	Factor
NONPOINT Section 4.2.6	25-01-012-013	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Spillage During Transport	Factor
NONPOINT Section 4.2.6	25-01-012-014	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Vapor Displacement	Factor
NONPOINT Section 4.2.6	25-01-012-015	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Spillage	Factor
NONPOINT Section 4.2.1	25-01-050-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Terminals: All Evaporative Losses - Gasoline	Data
NONPOINT Section 4.2.1	25-01-055-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Plants: All Evaporative Losses - Gasoline	Data
NONPOINT Section 4.2.3	25-01-060-051	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Submerged Filling	Factor
NONPOINT Section 4.2.3	25-01-060-052	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Splash Filling	No Annual CO, VOC or NOx
NONPOINT Section 4.2.3	25-01-060-053	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Balanced Submerged Filling	Factor
NONPOINT Section 4.2.3	25-01-060-201	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Underground Tank: Breathing and Emptying	Factor
NONPOINT Section 4.2.2	25-01-080-050	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 1: Total	Factor
NONPOINT Section 4.2.2	25-01-080-100	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 2: Total	Factor
NONPOINT Section 4.2.5	25-05-030-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Transport - Truck - Gasoline	Factor
NONPOINT Section 4.2.5	25-05-040-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Transport - Pipeline - Gasoline	Factor

NONPOINT Section 4.9.2.1	26-10-000-100	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Leaf Species Unspecified	No Annual CO, VOC or NOx
NONPOINT Section 4.9.2.1	26-10-000-400	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Brush Species Unspecified	Factor
NONPOINT Section 4.9.2.2	26-10-000-500	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)	No Annual CO, VOC or NOx
NONPOINT Section 4.9.2.3	26-10-030-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - Residential - Household Waste (use 26-10-000-xxx for Yard Wastes)	No Annual CO, VOC or NOx
NONPOINT Section 4.9.5	26-20-030-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total	Data
NONPOINT Section 4.9.4	26-20-030-001	Nonpoint	Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Dumping/Crushing/Spreading of New Materials (working face)	No Annual CO, VOC or NOx
NONPOINT Section 4.9.3	26-30-020-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Wastewater Treatment - Public Owned - Total Processed	Factor
NONPOINT Section 4.9.4	26-50-000-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Total: All Processes	No Annual CO, VOC or NOx
NONPOINT Section 4.9.4	26-50-000-002	Nonpoint	Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Shredding	No Annual CO, VOC or NOx
NONPOINT Section 4.9.1	26-80-003-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Composting - 100% Green Waste (e.g., residential or municipal yard wastes) - All Processes	Factor
NONPOINT Section 4.4.1	28-01-000-003	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agriculture - Crops - Tilling	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Unspecified crop type and Burn Method	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-141	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Bean (red): Headfire Burning	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-150	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Corn: Burning Techniques Not Important	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-151	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Double Crop Winter Wheat and Corn	No Annual CO, VOC or NOx

NONPOINT Section 4.4.4	28-01-500-152	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Corn and Soybeans	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-160	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Cotton: Burning Techniques Not Important	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-170	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Grasses: Burning Techniques Not Important	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-171	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Fallow	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-220	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Rice: Burning Techniques Not Significant	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-250	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Sugar Cane: Burning Techniques Not Significant	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-262	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Wheat: Backfire Burning	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-263	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Cotton	No Annual CO, VOC or NOx
NONPOINT Section 4.4.4	28-01-500-264	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Soybeans	No Annual CO, VOC or NOx
NONPOINT Section 4.4.3	28-01-700-099	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers	No Annual CO, VOC or NOx
NONPOINT Section 4.4.1	28-05-001-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Beef cattle - finishing operations on feedlots (drylots)	No Annual CO, VOC or NOx
NONPOINT Section 4.4.2	28-05-002-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle production composite - Not Elsewhere Classified	Factor
NONPOINT Section 4.4.2	28-05-007-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste - Poultry Production - Layers with Dry Manure Management Systems: Confinement	Factor
NONPOINT Section 4.4.2	28-05-009-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Confinement	Factor
NONPOINT Section 4.4.2	28-05-018-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle composite - Not Elsewhere Classified	Factor

NONPOINT Section 4.4.2	28-05-025-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production composite - Not Elsewhere Classified (see also 28-05-039, -047, -053)	Factor
NONPOINT Section 4.4.2	28-05-030-007	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Ducks	No Annual CO, VOC or NOx
NONPOINT Section 4.4.2	28-05-030-008	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Geese	No Annual CO, VOC or NOx
NONPOINT Section 4.4.2	28-05-035-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Horses and Ponies Waste Emissions - Not Elsewhere Classified	No Annual CO, VOC or NOx
NONPOINT Section 4.4.2	28-05-040-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Sheep and Lambs Waste Emissions - Total	No Annual CO, VOC or NOx
NONPOINT Section 4.4.2	28-05-045-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Goats Waste Emissions - Not Elsewhere Classified	No Annual CO, VOC or NOx
NONPOINT Section 4.8	28-10-001-001	Nonpoint	Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Smoldering	Factor
NONPOINT Section 4.8	28-10-001-002	Nonpoint	Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Flaming	Factor
NONPOINT Section 4.7.3	28-10-025-000	Nonpoint	Miscellaneous Area Sources - Other Combustion - Residential Grilling (see 23-02-002-xxx for Commercial) - Total	Factor
NONPOINT Section 4.9.4	28-10-060-100	Nonpoint	Miscellaneous Area Sources - Other Combustion - Cremation - Humans	Factor
NONPOINT Section 4.9.4	28-10-060-200	Nonpoint	Miscellaneous Area Sources - Other Combustion - Cremation - Animals	No Annual CO, VOC or NOx
NONPOINT Section 4.8	28-11-015-001	Nonpoint	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering	Factor
NONPOINT Section 4.8	28-11-015-002	Nonpoint	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming	Factor
NONPOINT Section 4.9.4	28-50-001-000	Nonpoint	Miscellaneous Area Sources - Health Services - Dental Alloy Production - Overall Process	No Annual CO, VOC or NOx
NONPOINT Section 4.9.4	28-51-001-000	Nonpoint	Miscellaneous Area Sources - Laboratories - Bench Scale Reagents - Total	No Annual CO, VOC or NOx

NONPOINT Section 4.9.4	28-61-000-000	Nonpoint	Miscellaneous Area Sources - Fluorescent Lamp Breakage - Fluorescent Lamp Breakage - Non-recycling Related Emissions: Total	No Annual CO, VOC or NOx
NONPOINT Section 4.9.4	28-61-000-010	Nonpoint	Miscellaneous Area Sources - Fluorescent Lamp Breakage - Fluorescent Lamp Breakage - Recycling Related Emissions: Total	No Annual CO, VOC or NOx
Section 5.0				
BIOGENIC	27-01-200-000	Nonpoint	Natural Sources - Biogenic - Vegetation - Total	Data
BIOGENIC	27-01-220-000	Nonpoint	Natural Sources - Biogenic - Vegetation/Agriculture - Total	Data

Table D-2: Summer Day Allocation Factors

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
21-02-004-001	Stationary Source Fuel Combustion	Industrial	Distillate Oil	All Boiler Types	6.410	25	6	13
21-02-004-002	Stationary Source Fuel Combustion	Industrial	Distillate Oil	All IC Engine Types	6.410	25	6	13
21-02-005-000	Stationary Source Fuel Combustion	Industrial	Residual Oil	Total: All Boiler Types	6.410	25	6	13
21-02-006-000	Stationary Source Fuel Combustion	Industrial	Natural Gas	Total: Boilers and IC Engines	6.410	25	6	13
21-02-007-000	Stationary Source Fuel Combustion	Industrial	Liquified Petroleum Gas (LPG)	Total: All Boiler Types	6.410	25	6	13
21-02-008-000	Stationary Source Fuel Combustion	Industrial	Wood	Total: All Boiler Types	0	0	6	13
21-02-011-000	Stationary Source Fuel Combustion	Industrial	Kerosene	Total: All Boiler Types	6.410	25	6	13
21-03-004-001	Stationary Source Fuel Combustion	Commercial/ Institutional	Distillate Oil	Boilers	3.297	15	7	13
21-03-004-002	Stationary Source Fuel Combustion	Commercial/ Institutional	Distillate Oil	IC Engines	3.297	15	7	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
21-03-005-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Residual Oil	Total: All Boiler Types	3.297	15	7	13
21-03-006-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Natural Gas	Total: Boilers and IC Engines	3.297	15	7	13
21-03-007-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Liquified Petroleum Gas (LPG)	Total: All Combustor Types	3.297	15	7	13
21-03-008-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Wood	Total: All Boiler Types	0	0	7	13
21-03-011-000	Stationary Source Fuel Combustion	Commercial/ Institutional	Kerosene	Total: All Combustor Types	3.297	15	7	13
21-04-004-000	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total: All Combustor Types	1.209	5.5	7	13
21-04-006-000	Stationary Source Fuel Combustion	Residential	Natural Gas	Total: All Combustor Types	1.538	7	7	13
21-04-007-000	Stationary Source Fuel Combustion	Residential	Liquified Petroleum Gas (LPG)	Total: All Combustor Types	2.692	12.25	7	13
21-04-008-100	Stationary Source Fuel Combustion	Residential	Wood	Fireplace: general	0	0	7	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
21-04-008-210	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; non-EPA certified	0	0	7	13
21-04-008-220	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; EPA certified; non-catalytic	0	0	7	13
21-04-008-230	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: fireplace inserts; EPA certified; catalytic	0	0	7	13
21-04-008-310	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, non-EPA certified	0	0	7	13
21-04-008-320	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, EPA certified, non-catalytic	0	0	7	13
21-04-008-330	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: freestanding, EPA certified, catalytic	0	0	7	13
21-04-008-400	Stationary Source Fuel Combustion	Residential	Wood	Woodstove: pellet-fired, general (freestanding or FP insert)	0	0	7	13
21-04-008-510	Stationary Source Fuel Combustion	Residential	Wood	Furnace: Indoor, cordwood-fired, non-EPA certified	0	0	7	13
21-04-008-610	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: outdoor	0	0	7	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
21-04-008-700	Stationary Source Fuel Combustion	Residential	Wood	Outdoor wood burning device, NEC (fire-pits, chimeas, etc)	4.176	19	7	13
21-04-009-000	Stationary Source Fuel Combustion	Residential	Firelog	Total: All Combustor Types	0	0	7	13
21-04-011-000	Stationary Source Fuel Combustion	Residential	Kerosene	Total: All Heater Types	2.692	12.25	7	13
22-02-00-0062	Mobile Sources	Highway Vehicles - Diesel	Refueling	Total Spillage and Displacement	5.767	26.24	7	13
22-80-002-100	Mobile Sources	Marine Vessels, Commercial	Diesel	Port emissions	5.495	25	7	13
22-80-002-200	Mobile Sources	Marine Vessels, Commercial	Diesel	Underway emissions	5.495	25	7	13
22-80-003-100	Mobile Sources	Marine Vessels, Commercial	Residual	Port emissions	5.495	25	7	13
22-80-003-200	Mobile Sources	Marine Vessels, Commercial	Residual	Underway emissions	5.495	25	7	13
22-85-002-006	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Class I Operations	7.692	25	5	13
22-85-002-007	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Class II / III Operations	7.692	25	5	13
22-85-002-008	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Passenger Trains (Amtrak)	7.692	25	5	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
22-85-002-009	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Commuter Lines	7.692	25	5	13
22-85-002-010	Mobile Sources	Railroad Equipment	Diesel	Yard Locomotives	7.692	25	5	13
23-02-002-100	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Conveyorized Charbroiling	5.495	25	7	13
23-02-002-200	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Charbroiling	Under-fired Charbroiling	5.495	25	7	13
23-02-003-000	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Frying	Deep Fat Frying	5.495	25	7	13
23-02-003-100	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Frying	Flat Griddle Frying	5.495	25	7	13
23-02-003-200	Industrial Processes	Food and Kindred Products: SIC 20	Commercial Cooking - Frying	Clamshell Griddle Frying	5.495	25	7	13
24-01-001-000	Solvent Utilization	Surface Coating	Architectural Coatings	Total: All Solvent Types	7.143	32.5	7	13
24-01-005-000	Solvent Utilization	Surface Coating	Auto Refinishing: SIC 7532	Total: All Solvent Types	7.692	25	5	13
24-01-008-000	Solvent Utilization	Surface Coating	Traffic Markings	Total: All Solvent Types	11.765	38.235	5	13
24-01-015-000	Solvent Utilization	Surface Coating	Factory Finished Wood: SIC 2426 thru 242	Total: All Solvent Types	7.692	25	5	13
24-01-020-000	Solvent Utilization	Surface Coating	Wood Furniture: SIC 25	Total: All Solvent Types	7.692	25	5	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
24-01-025-000	Solvent Utilization	Surface Coating	Metal Furniture: SIC 25	Total: All Solvent Types	7.692	25	5	13
24-01-030-000	Solvent Utilization	Surface Coating	Paper: SIC 26	Total: All Solvent Types	7.692	25	5	13
24-01-040-000	Solvent Utilization	Surface Coating	Metal Cans: SIC 341	Total: All Solvent Types	7.692	25	5	13
24-01-055-000	Solvent Utilization	Surface Coating	Machinery and Equipment: SIC 35	Total: All Solvent Types	7.692	25	5	13
24-01-060-000	Solvent Utilization	Surface Coating	Large Appliances: SIC 363	Total: All Solvent Types	7.692	25	5	13
24-01-065-000	Solvent Utilization	Surface Coating	Electronic and Other Electrical: SIC 36 - 363	Total: All Solvent Types	7.692	25	5	13
24-01-070-000	Solvent Utilization	Surface Coating	Motor Vehicles: SIC 371	Total: All Solvent Types	7.692	25	5	13
24-01-075-000	Solvent Utilization	Surface Coating	Aircraft: SIC 372	Total: All Solvent Types	7.692	25	5	13
24-01-080-000	Solvent Utilization	Surface Coating	Marine: SIC 373	Total: All Solvent Types	7.692	25	5	13
24-01-085-000	Solvent Utilization	Surface Coating	Railroad: SIC 374	Total: All Solvent Types	7.692	25	5	13
24-01-090-000	Solvent Utilization	Surface Coating	Miscellaneous Manufacturing	Total: All Solvent Types	7.692	25	5	13
24-01-100-000	Solvent Utilization	Surface Coating	Industrial Maintenance Coatings	Total: All Solvent Types	7.692	25	5	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
24-01-200-000	Solvent Utilization	Surface Coating	Other Special Purpose Coatings	Total: All Solvent Types	7.692	25	5	13
24-15-000-000	Solvent Utilization	Degreasing	All Processes/All Industries	Total: All Solvent Types	7.692	25	5	13
24-20-000-000	Solvent Utilization	Dry Cleaning	All Processes	Total: All Solvent Types	5.495	20	5.6	13
24-25-000-000	Solvent Utilization	Graphic Arts	All Processes	Total: All Solvent Types	7.692	25	5	13
24-60-100-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Personal Care Products	Total: All Solvent Types	5.495	25	7	13
24-60-200-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Household Products	Total: All Solvent Types	5.495	25	7	13
24-60-400-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Automotive Aftermarket Products	Total: All Solvent Types	5.495	25	7	13
24-60-500-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Coatings and Related Products	Total: All Solvent Types	5.495	25	7	13
24-60-600-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All Adhesives and Sealants	Total: All Solvent Types	5.495	25	7	13
24-60-800-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	All FIFRA Related Products	Total: All Solvent Types	5.495	25	7	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
24-60-900-000	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	Miscellaneous Products (Not Otherwise Covered)	Total: All Solvent Types	5.495	25	7	13
24-61-850-000	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Pesticide Application: Agricultural	All Processes	12.821	50	6	13
25-01-011-011	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Permeation	11.011	50.1	7	13
25-01-011-012	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Evaporation (includes Diurnal losses)	11.011	50.1	7	13
25-01-011-013	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Spillage During Transport	11.011	50.1	7	13
25-01-011-014	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Refilling at the Pump - Vapor Displacement	11.011	50.1	7	13
25-01-011-015	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Refilling at the Pump - Spillage	11.011	50.1	7	13
25-01-012-011	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Permeation	11.011	50.1	7	13
25-01-012-012	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Evaporation (includes Diurnal losses)	11.011	50.1	7	13
25-01-012-013	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Spillage During Transport	11.011	50.1	7	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
25-01-012-014	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Refilling at the Pump - Vapor Displacement	11.011	50.1	7	13
25-01-012-015	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Refilling at the Pump - Spillage	11.011	50.1	7	13
25-01-060-051	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Submerged Filling	5.767	26.24	7	13
25-01-060-052	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Splash Filling	5.767	26.24	7	13
25-01-060-053	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Stage 1: Balanced Submerged Filling	5.767	26.24	7	13
25-01-060-201	Storage and Transport	Petroleum and Petroleum Product Storage	Gasoline Service Stations	Underground Tank: Breathing and Emptying	5.767	26.241	7	13
25-01-080-050	Storage and Transport	Petroleum and Petroleum Product Storage	Airports : Aviation Gasoline	Stage 1: Total	5.495	25	7	13
25-01-080-100	Storage and Transport	Petroleum and Petroleum Product Storage	Airports : Aviation Gasoline	Stage 2: Total	5.495	25	7	13
25-05-030-120	Storage and Transport	Petroleum and Petroleum Product Transport	Truck	Gasoline	5.621	25.574	7	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
25-05-040-120	Storage and Transport	Petroleum and Petroleum Product Transport	Pipeline	Gasoline	5.767	26.24	7	13
26-10-000-100	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Leaf Species Unspecified	5.495	25	7	13
26-10-000-400	Waste Disposal, Treatment, and Recovery	Open Burning	All Categories	Yard Waste - Brush Species Unspecified	5.495	25	7	13
26-10-030-000	Waste Disposal, Treatment, and Recovery	Open Burning	Residential	Household Waste (use 26-10-000-xxx for Yard Wastes)	5.495	25	7	13
26-30-020-000	Waste Disposal, Treatment, and Recovery	Wastewater Treatment	Public Owned	Total Processed	7.692	35	7	13
26-80-003-000	Waste Disposal, Treatment, and Recovery	Composting	100% Green Waste (e.g., residential or municipal yard wastes)	All Processes	7.692	35	7	13
28-01-500-000	Miscellaneous Area Sources	Agriculture Production - Crops - as nonpoint	Agricultural Field Burning - whole field set on fire	Unspecified crop type and Burn Method	0	0	7	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
28-05-001-000	Miscellaneous Area Sources	Agriculture Production - Livestock	Beef cattle - finishing operations on feedlots (drylots)	Dust Kicked-up by Hooves (use 28-05-020, -001, -002, or -003 for Waste	13.527	61.55	7	13
28-05-002-000	Miscellaneous Area Sources	Agriculture Production - Livestock	Beef cattle production composite	Not Elsewhere Classified	13.527	61.55	7	13
28-05-007-100	Miscellaneous Area Sources	Agriculture Production - Livestock	Poultry production - layers with dry manure management systems	Confinement	13.527	61.55	7	13
28-05-009-100	Miscellaneous Area Sources	Agriculture Production - Livestock	Poultry production - broilers	Confinement	13.527	61.55	7	13
28-05-018-000	Miscellaneous Area Sources	Agriculture Production - Livestock	Dairy cattle composite	Not Elsewhere Classified	13.527	61.55	7	13
28-05-025-000	Miscellaneous Area Sources	Agriculture Production - Livestock	Swine production composite	Not Elsewhere Classified (see also 28-05-039, -047, -053)	13.527	61.55	7	13
28-10-001-000	Miscellaneous Area Sources	Other Combustion - as Event	Forest Wildfires	Total (Smoldering + Flaming) for Wildfires	2.052	9.336	7	13
28-10-001-001	Miscellaneous Area Sources	Other Combustion - as Event	Forest Wildfires	Smoldering	2.052	9.336	7	13
28-10-001-002	Miscellaneous Area Sources	Other Combustion - as Event	Forest Wildfires	Flaming	2.052	9.336	7	13
28-10-025-000	Miscellaneous Area Sources	Other Combustion	Residential Grilling (see 23-02-002-xxx for Commercial)	Total	10.989	50	7	13

SCC	SCC Description				Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
	Level 1	Level 2	Level 3	Level 4				
28-10-060-100	Miscellaneous Area Sources	Other Combustion	Cremation	Humans	5.495	25	7	13
28-11-015-000	Miscellaneous Area Sources	Other Combustion - as Event	Prescribed Forest Burning	Total (Smoldering + Flaming) for Wildfires	0	0	7	13
28-11-015-001	Miscellaneous Area Sources	Other Combustion - as Event	Prescribed Forest Burning	Smoldering	0	0	7	13
28-11-015-002	Miscellaneous Area Sources	Other Combustion - as Event	Prescribed Forest Burning	Flaming	0	0	7	13

Table D-3: Allocation Factors for New SCCs

SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Adjustment to the Summer Season Adjustment Factor Calculated in Table D-4
26-80-003-000	7.692	35	7	13	EPA greenwaste summer season calculated at 25%, which was increased to 35% to reflect a greater seasonal impact for Connecticut (a northern state). A slight increase was applied to consider the cutting accounulation and decomposition profiles for grass and leaves having increased emissions in the summer, where food waste would likely have a more uniform seasonal profile.
28-05-001-000	13.527	61.55	7	13	The EPA allotment was accepted.
28-10-025-000	10.989	50	7	13	EPA residential charcoal grilling summer season calculated at 45%,which was increased to 50% to reflect a greater seasonal impact for Connecticut (a northern state). A greater increase was not applied because current allocations in this ozone inventory focus on weekday emissions.

Table D-4: EPA Summer Day Allocation Profile Identifiers by SCC from Attachment 2b

SCC	State FIPS	Profile Type	Profile Identifier
26-80-003-000		MONTHLY	262
26-80-003-000		WEEKLY	7
26-80-003-000		ALLDAY	26
28-05-001-000		WEEKLY	7
28-05-001-000		ALLDAY	27
28-05-001-000	09000	MONTHLY	AG09BF
28-10-025-000		WEEKEND	BBQ2
28-10-025-000		WEEKLY	61500
28-10-025-000		MONTHLY	BBQ
28-10-025-000		WEEKDAY	BBQ5

Table D-5: EPA Summer Day Monthly Allocation Profiles for SCCs Needing a New Summer Day Allocation Factor

Calendar Month	Monthly Profile Identifier		
	262	AG09BF	BBQ
January	8.33%	0.71%	3.00%
February	8.33%	0.52%	3.00%
March	8.33%	1.01%	6.00%
April	8.33%	3.55%	7.00%
May	8.33%	8.95%	10.00%
June	8.33%	16.72%	14.00%
July	8.33%	26.16%	17.00%
August	8.33%	18.67%	14.00%
September	8.33%	13.82%	10.00%
October	8.33%	6.58%	7.00%
November	8.33%	2.04%	6.00%
December	8.33%	1.28%	3.00%
Calculated Summer Season Percentage	**25.00%**	**61.55%**	**45.00%**

Appendix E MOVES Inputs

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	1	1	23.3	66.8
90010	1	2	22.4	67.5
90010	1	3	21.5	68.3
90010	1	4	20.8	68.8
90010	1	5	20.1	69.4
90010	1	6	19.9	69.7
90010	1	7	19.4	69.9
90010	1	8	19.2	69.9
90010	1	9	19.9	69.7
90010	1	10	22.8	67.6
90010	1	11	26.4	64.6
90010	1	12	30.0	61.3
90010	1	13	32.8	59.3
90010	1	14	35.0	57.7
90010	1	15	36.4	56.9
90010	1	16	36.6	56.5
90010	1	17	35.7	57.0
90010	1	18	33.2	59.1
90010	1	19	31.2	60.9
90010	1	20	29.4	62.2
90010	1	21	28.0	63.4
90010	1	22	26.7	64.3
90010	1	23	25.5	65.0
90010	1	24	24.4	65.7
90010	2	1	26.2	65.7
90010	2	2	25.1	66.7
90010	2	3	24.3	67.2
90010	2	4	23.4	68.0
90010	2	5	22.6	68.8
90010	2	6	22.0	69.0
90010	2	7	21.3	69.8
90010	2	8	20.9	69.8
90010	2	9	22.8	67.9
90010	2	10	25.9	64.8
90010	2	11	29.1	61.1
90010	2	12	32.3	58.0
90010	2	13	35.0	55.5

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	1	1	20.3	67.9
90030	1	2	19.1	68.9
90030	1	3	18.3	69.8
90030	1	4	17.7	70.0
90030	1	5	17.0	70.3
90030	1	6	16.6	70.8
90030	1	7	16.2	71.1
90030	1	8	16.0	70.8
90030	1	9	16.6	70.5
90030	1	10	20.1	67.6
90030	1	11	24.3	63.7
90030	1	12	28.2	60.0
90030	1	13	31.5	56.9
90030	1	14	33.8	55.3
90030	1	15	35.0	54.8
90030	1	16	35.2	54.4
90030	1	17	33.8	55.6
90030	1	18	31.3	57.9
90030	1	19	28.8	60.6
90030	1	20	26.7	62.4
90030	1	21	25.3	63.9
90030	1	22	23.8	65.1
90030	1	23	22.8	65.5
90030	1	24	21.6	66.8
90030	2	1	23.6	65.9
90030	2	2	22.4	67.2
90030	2	3	21.6	68.3
90030	2	4	20.9	68.6
90030	2	5	20.0	69.4
90030	2	6	19.3	69.6
90030	2	7	18.6	70.1
90030	2	8	18.3	70.4
90030	2	9	20.5	67.6
90030	2	10	24.0	63.7
90030	2	11	27.7	59.1
90030	2	12	31.0	55.6
90030	2	13	33.9	52.8

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	2	14	37.1	53.5
90010	2	15	38.6	52.4
90010	2	16	39.2	51.8
90010	2	17	38.8	52.2
90010	2	18	36.9	54.2
90010	2	19	34.4	56.9
90010	2	20	32.5	59.3
90010	2	21	31.0	61.1
90010	2	22	29.7	62.3
90010	2	23	28.5	63.5
90010	2	24	27.4	64.4
90010	3	1	33.6	65.0
90010	3	2	32.6	66.5
90010	3	3	31.6	67.8
90010	3	4	30.7	68.9
90010	3	5	30.1	69.4
90010	3	6	29.4	70.2
90010	3	7	28.9	70.7
90010	3	8	29.9	69.9
90010	3	9	33.1	65.7
90010	3	10	36.4	60.9
90010	3	11	39.5	56.7
90010	3	12	42.4	53.4
90010	3	13	44.9	50.8
90010	3	14	46.5	49.4
90010	3	15	47.7	48.2
90010	3	16	48.2	47.7
90010	3	17	47.7	48.2
90010	3	18	46.2	49.6
90010	3	19	43.5	53.0
90010	3	20	41.2	56.0
90010	3	21	39.4	58.3
90010	3	22	37.9	60.3
90010	3	23	36.7	61.7
90010	3	24	35.4	63.6
90010	4	1	42.7	66.7
90010	4	2	41.5	68.4
90010	4	3	40.4	69.7

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	2	14	36.1	50.5
90030	2	15	37.5	49.4
90030	2	16	38.0	49.1
90030	2	17	37.3	49.8
90030	2	18	35.3	51.9
90030	2	19	32.3	55.1
90030	2	20	30.3	58.0
90030	2	21	28.6	60.3
90030	2	22	27.2	61.9
90030	2	23	25.8	63.7
90030	2	24	24.8	64.9
90030	3	1	31.4	65.2
90030	3	2	30.4	66.8
90030	3	3	29.4	68.7
90030	3	4	28.6	69.5
90030	3	5	27.9	70.3
90030	3	6	27.1	71.7
90030	3	7	26.7	72.0
90030	3	8	28.0	70.6
90030	3	9	31.4	65.5
90030	3	10	35.0	59.4
90030	3	11	38.3	54.4
90030	3	12	41.3	50.7
90030	3	13	43.8	47.6
90030	3	14	45.4	46.1
90030	3	15	46.6	45.0
90030	3	16	46.9	44.5
90030	3	17	46.5	44.9
90030	3	18	44.7	46.6
90030	3	19	41.9	49.9
90030	3	20	39.2	53.6
90030	3	21	37.2	56.8
90030	3	22	35.5	59.5
90030	3	23	34.4	61.4
90030	3	24	33.2	63.6
90030	4	1	41.1	65.9
90030	4	2	40.0	67.7
90030	4	3	38.9	69.5

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	4	4	39.4	70.7
90010	4	5	38.6	71.8
90010	4	6	37.9	72.6
90010	4	7	38.2	72.6
90010	4	8	41.4	69.0
90010	4	9	44.8	63.5
90010	4	10	48.3	58.6
90010	4	11	51.6	54.4
90010	4	12	54.4	51.3
90010	4	13	56.6	49.0
90010	4	14	58.2	47.6
90010	4	15	59.2	46.4
90010	4	16	59.4	46.5
90010	4	17	58.7	46.9
90010	4	18	57.3	48.4
90010	4	19	54.8	51.1
90010	4	20	51.6	55.0
90010	4	21	49.5	58.1
90010	4	22	47.7	60.7
90010	4	23	46.0	62.9
90010	4	24	44.7	64.8
90010	5	1	52.2	73.2
90010	5	2	51.0	75.1
90010	5	3	49.9	76.7
90010	5	4	49.0	77.8
90010	5	5	48.1	79.3
90010	5	6	47.6	79.9
90010	5	7	49.7	77.9
90010	5	8	53.3	72.2
90010	5	9	56.9	66.3
90010	5	10	60.3	61.4
90010	5	11	63.4	57.2
90010	5	12	66.0	54.0
90010	5	13	68.0	51.5
90010	5	14	69.3	50.0
90010	5	15	70.1	49.2
90010	5	16	70.1	49.0
90010	5	17	69.3	49.9

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	4	4	37.9	71.1
90030	4	5	37.2	72.2
90030	4	6	36.5	73.3
90030	4	7	37.1	73.1
90030	4	8	40.4	68.0
90030	4	9	44.0	61.7
90030	4	10	47.5	55.5
90030	4	11	50.7	50.7
90030	4	12	53.5	46.8
90030	4	13	55.6	44.4
90030	4	14	57.3	42.6
90030	4	15	58.2	41.8
90030	4	16	58.3	41.6
90030	4	17	57.7	42.0
90030	4	18	56.3	43.7
90030	4	19	53.8	46.7
90030	4	20	50.6	51.1
90030	4	21	48.2	54.7
90030	4	22	46.2	58.1
90030	4	23	44.5	60.7
90030	4	24	43.0	63.5
90030	5	1	51.3	73.7
90030	5	2	50.1	75.9
90030	5	3	49.0	78.1
90030	5	4	48.0	79.6
90030	5	5	47.2	81.1
90030	5	6	46.7	81.7
90030	5	7	49.2	78.5
90030	5	8	52.7	72.2
90030	5	9	56.4	65.2
90030	5	10	59.9	59.1
90030	5	11	63.1	54.2
90030	5	12	65.6	50.6
90030	5	13	67.6	47.9
90030	5	14	69.1	46.0
90030	5	15	70.0	45.0
90030	5	16	69.9	44.8
90030	5	17	69.3	45.4

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	5	18	67.7	51.5
90010	5	19	65.4	54.3
90010	5	20	62.1	58.7
90010	5	21	59.2	63.2
90010	5	22	57.2	66.4
90010	5	23	55.7	68.7
90010	5	24	54.2	71.2
90010	6	1	61.6	75.8
90010	6	2	60.4	77.7
90010	6	3	59.2	79.3
90010	6	4	58.1	80.7
90010	6	5	57.2	82.1
90010	6	6	56.9	82.4
90010	6	7	59.3	79.9
90010	6	8	62.5	75.1
90010	6	9	66.0	69.6
90010	6	10	69.3	64.9
90010	6	11	72.4	60.6
90010	6	12	74.8	57.1
90010	6	13	76.8	54.6
90010	6	14	78.0	53.0
90010	6	15	78.6	52.3
90010	6	16	78.6	52.3
90010	6	17	77.8	53.2
90010	6	18	76.3	54.9
90010	6	19	74.2	57.6
90010	6	20	71.3	61.5
90010	6	21	68.0	66.6
90010	6	22	66.0	69.9
90010	6	23	64.3	72.0
90010	6	24	63.0	74.3
90010	7	1	67.3	78.0
90010	7	2	66.1	79.6
90010	7	3	65.0	80.9
90010	7	4	64.1	82.0
90010	7	5	63.2	83.1
90010	7	6	62.6	84.0
90010	7	7	64.6	81.7

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	5	18	67.9	47.1
90030	5	19	65.5	50.0
90030	5	20	62.2	55.1
90030	5	21	59.0	60.6
90030	5	22	56.8	64.3
90030	5	23	54.9	67.9
90030	5	24	53.3	70.9
90030	6	1	60.2	77.1
90030	6	2	59.1	79.0
90030	6	3	57.9	81.3
90030	6	4	56.8	83.0
90030	6	5	56.0	84.2
90030	6	6	55.9	84.8
90030	6	7	58.5	81.3
90030	6	8	62.0	75.3
90030	6	9	65.4	69.6
90030	6	10	68.8	64.1
90030	6	11	72.0	59.0
90030	6	12	74.5	55.0
90030	6	13	76.3	52.0
90030	6	14	77.8	49.8
90030	6	15	78.3	48.9
90030	6	16	78.3	48.9
90030	6	17	77.6	49.8
90030	6	18	76.2	51.6
90030	6	19	74.1	54.6
90030	6	20	71.1	59.3
90030	6	21	67.6	64.9
90030	6	22	65.3	69.0
90030	6	23	63.4	71.9
90030	6	24	62.0	74.2
90030	7	1	66.0	79.3
90030	7	2	64.7	81.5
90030	7	3	63.7	82.9
90030	7	4	62.7	84.6
90030	7	5	61.9	85.8
90030	7	6	61.5	86.4
90030	7	7	63.7	83.5

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	7	8	67.9	76.9
90010	7	9	71.3	71.5
90010	7	10	74.5	66.5
90010	7	11	77.5	62.1
90010	7	12	79.9	58.6
90010	7	13	81.9	55.9
90010	7	14	82.9	54.3
90010	7	15	83.7	53.5
90010	7	16	83.5	53.6
90010	7	17	82.8	54.6
90010	7	18	81.3	56.6
90010	7	19	79.3	59.6
90010	7	20	76.5	64.2
90010	7	21	73.5	69.0
90010	7	22	71.6	72.0
90010	7	23	70.1	74.4
90010	7	24	68.8	76.2
90010	8	1	65.8	80.1
90010	8	2	64.7	81.5
90010	8	3	63.7	82.9
90010	8	4	62.8	83.7
90010	8	5	61.9	84.9
90010	8	6	61.3	85.4
90010	8	7	62.0	84.9
90010	8	8	65.2	80.6
90010	8	9	68.8	74.8
90010	8	10	72.1	69.5
90010	8	11	75.2	64.5
90010	8	12	77.8	60.6
90010	8	13	79.9	57.6
90010	8	14	81.1	55.7
90010	8	15	81.8	54.9
90010	8	16	81.7	55.1
90010	8	17	80.8	56.3
90010	8	18	79.3	58.3
90010	8	19	76.9	62.0
90010	8	20	73.6	67.5
90010	8	21	71.2	71.4

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	7	8	67.2	77.4
90030	7	9	70.6	71.4
90030	7	10	74.0	65.5
90030	7	11	77.0	60.7
90030	7	12	79.5	56.5
90030	7	13	81.3	53.5
90030	7	14	82.6	51.5
90030	7	15	83.3	50.5
90030	7	16	83.4	50.3
90030	7	17	82.6	51.5
90030	7	18	81.3	53.5
90030	7	19	79.1	57.1
90030	7	20	76.1	62.3
90030	7	21	72.7	68.4
90030	7	22	70.6	72.2
90030	7	23	68.8	74.8
90030	7	24	67.4	77.4
90030	8	1	64.1	81.7
90030	8	2	63.1	83.4
90030	8	3	61.9	85.2
90030	8	4	61.1	86.1
90030	8	5	60.2	87.3
90030	8	6	59.7	87.9
90030	8	7	60.6	86.6
90030	8	8	63.9	81.7
90030	8	9	67.6	75.0
90030	8	10	71.3	68.5
90030	8	11	74.5	62.8
90030	8	12	77.1	58.6
90030	8	13	79.3	54.7
90030	8	14	80.6	52.6
90030	8	15	81.3	51.4
90030	8	16	81.3	51.6
90030	8	17	80.4	52.6
90030	8	18	79.0	55.1
90030	8	19	76.4	59.6
90030	8	20	72.7	66.0
90030	8	21	70.0	71.1

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	8	22	69.4	74.6
90010	8	23	68.0	76.7
90010	8	24	66.8	78.5
90010	9	1	58.2	80.1
90010	9	2	57.2	81.2
90010	9	3	56.3	82.4
90010	9	4	55.5	83.2
90010	9	5	54.5	84.1
90010	9	6	53.9	84.7
90010	9	7	53.6	85.0
90010	9	8	56.4	82.1
90010	9	9	60.4	76.5
90010	9	10	64.0	70.7
90010	9	11	67.3	65.6
90010	9	12	70.0	61.6
90010	9	13	72.2	58.6
90010	9	14	73.6	56.5
90010	9	15	74.2	55.8
90010	9	16	74.0	56.0
90010	9	17	73.1	57.3
90010	9	18	71.2	60.0
90010	9	19	67.9	65.2
90010	9	20	64.9	70.3
90010	9	21	63.0	73.2
90010	9	22	61.5	75.0
90010	9	23	60.0	77.4
90010	9	24	58.9	78.7
90010	10	1	46.5	76.1
90010	10	2	45.5	77.2
90010	10	3	44.5	78.4
90010	10	4	43.7	79.2
90010	10	5	42.9	80.1
90010	10	6	42.2	80.7
90010	10	7	41.9	81.0
90010	10	8	43.2	79.8
90010	10	9	47.6	74.8
90010	10	10	51.7	68.5
90010	10	11	55.3	63.2

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	8	22	68.0	74.5
90030	8	23	66.6	77.1
90030	8	24	65.3	79.5
90030	9	1	55.4	82.9
90030	9	2	54.3	84.4
90030	9	3	53.3	85.6
90030	9	4	52.4	86.5
90030	9	5	51.7	86.8
90030	9	6	51.0	87.7
90030	9	7	50.9	87.7
90030	9	8	54.1	83.8
90030	9	9	58.1	77.8
90030	9	10	62.2	70.8
90030	9	11	65.8	64.5
90030	9	12	68.9	59.4
90030	9	13	71.2	55.8
90030	9	14	72.6	53.6
90030	9	15	73.4	52.3
90030	9	16	73.1	52.7
90030	9	17	72.3	53.9
90030	9	18	70.2	57.3
90030	9	19	66.4	63.8
90030	9	20	62.9	70.6
90030	9	21	60.6	74.3
90030	9	22	58.9	77.0
90030	9	23	57.5	79.2
90030	9	24	56.1	81.1
90030	10	1	44.0	78.6
90030	10	2	43.0	79.8
90030	10	3	42.0	81.0
90030	10	4	41.1	81.9
90030	10	5	40.6	82.5
90030	10	6	39.8	82.8
90030	10	7	39.4	83.4
90030	10	8	40.8	81.9
90030	10	9	45.3	75.4
90030	10	10	49.7	68.0
90030	10	11	53.9	61.3

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	10	12	58.4	58.7
90010	10	13	60.8	55.5
90010	10	14	62.5	53.5
90010	10	15	63.3	52.4
90010	10	16	63.1	52.4
90010	10	17	61.8	54.0
90010	10	18	59.1	57.9
90010	10	19	55.6	63.0
90010	10	20	53.3	66.6
90010	10	21	51.5	69.3
90010	10	22	50.1	71.3
90010	10	23	48.6	73.1
90010	10	24	47.3	74.7
90010	11	1	38.5	70.3
90010	11	2	37.5	71.4
90010	11	3	36.7	72.2
90010	11	4	35.9	73.0
90010	11	5	35.1	73.5
90010	11	6	34.5	74.0
90010	11	7	34.1	74.3
90010	11	8	33.9	74.6
90010	11	9	36.7	72.5
90010	11	10	40.7	68.1
90010	11	11	44.2	63.7
90010	11	12	47.4	59.9
90010	11	13	49.6	57.7
90010	11	14	51.4	55.7
90010	11	15	52.2	54.7
90010	11	16	51.8	54.9
90010	11	17	50.2	56.2
90010	11	18	47.0	59.4
90010	11	19	45.0	61.8
90010	11	20	43.2	63.8
90010	11	21	41.9	65.5
90010	11	22	40.7	66.7
90010	11	23	39.7	67.7
90010	11	24	38.7	68.9
90010	12	1	28.9	68.3

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	10	12	57.3	56.1
90030	10	13	59.9	52.3
90030	10	14	61.5	50.0
90030	10	15	62.4	48.8
90030	10	16	62.3	48.8
90030	10	17	60.8	50.6
90030	10	18	57.6	55.3
90030	10	19	53.9	61.8
90030	10	20	51.3	66.7
90030	10	21	49.4	69.6
90030	10	22	47.8	72.2
90030	10	23	46.2	74.9
90030	10	24	44.9	76.9
90030	11	1	36.2	72.1
90030	11	2	35.2	73.2
90030	11	3	34.5	74.0
90030	11	4	33.8	74.6
90030	11	5	33.1	75.5
90030	11	6	32.4	76.0
90030	11	7	31.9	76.3
90030	11	8	31.9	76.3
90030	11	9	35.0	73.2
90030	11	10	38.8	68.4
90030	11	11	42.8	62.8
90030	11	12	46.1	58.3
90030	11	13	48.7	55.0
90030	11	14	50.4	52.9
90030	11	15	51.1	52.0
90030	11	16	50.8	52.3
90030	11	17	48.5	54.8
90030	11	18	45.4	58.5
90030	11	19	43.0	62.0
90030	11	20	41.1	64.6
90030	11	21	39.5	66.8
90030	11	22	38.5	68.1
90030	11	23	37.4	69.4
90030	11	24	36.6	70.7
90030	12	1	26.2	70.1

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	12	2	27.9	69.1
90010	12	3	27.2	69.9
90010	12	4	26.5	70.4
90010	12	5	25.9	71.0
90010	12	6	25.4	71.2
90010	12	7	24.9	71.5
90010	12	8	24.7	71.8
90010	12	9	25.9	70.7
90010	12	10	29.1	68.1
90010	12	11	32.5	64.6
90010	12	12	35.8	61.0
90010	12	13	38.3	58.9
90010	12	14	40.1	57.5
90010	12	15	41.1	56.4
90010	12	16	41.3	56.2
90010	12	17	39.7	57.6
90010	12	18	36.9	60.2
90010	12	19	35.1	61.7
90010	12	20	33.7	63.1
90010	12	21	32.3	64.5
90010	12	22	31.2	65.5
90010	12	23	30.2	66.5
90010	12	24	29.1	67.5

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	12	2	25.4	70.9
90030	12	3	24.8	71.2
90030	12	4	24.2	72.0
90030	12	5	23.3	72.6
90030	12	6	22.7	73.1
90030	12	7	22.3	73.4
90030	12	8	22.1	73.4
90030	12	9	23.1	72.5
90030	12	10	27.1	69.0
90030	12	11	31.0	64.6
90030	12	12	34.3	60.6
90030	12	13	37.2	57.5
90030	12	14	39.1	55.4
90030	12	15	39.9	54.4
90030	12	16	39.7	54.6
90030	12	17	37.6	56.6
90030	12	18	34.5	59.8
90030	12	19	32.4	62.1
90030	12	20	30.8	63.8
90030	12	21	29.6	65.3
90030	12	22	28.5	66.6
90030	12	23	27.5	67.9
90030	12	24	26.7	69.0

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	1	1	17.4	68.1
90050	1	2	16.5	68.6
90050	1	3	15.5	69.4
90050	1	4	14.6	70.0
90050	1	5	13.9	70.5
90050	1	6	13.4	70.8
90050	1	7	12.9	71.1
90050	1	8	12.7	71.0
90050	1	9	13.4	70.5
90050	1	10	16.7	68.3
90050	1	11	21.2	64.7
90050	1	12	25.4	61.4
90050	1	13	28.9	58.8
90050	1	14	31.5	57.2
90050	1	15	33.2	56.2
90050	1	16	33.4	55.7
90050	1	17	32.2	56.5
90050	1	18	29.4	58.8
90050	1	19	26.8	61.1
90050	1	20	24.7	63.0
90050	1	21	23.0	64.1
90050	1	22	21.4	65.4
90050	1	23	20.2	66.1
90050	1	24	18.8	67.1
90050	2	1	20.6	66.1
90050	2	2	19.5	67.2
90050	2	3	18.3	68.2
90050	2	4	17.3	69.0
90050	2	5	16.5	69.2
90050	2	6	15.7	69.8
90050	2	7	14.9	70.3
90050	2	8	14.5	70.6
90050	2	9	16.5	68.6
90050	2	10	20.4	64.6
90050	2	11	24.4	60.5
90050	2	12	28.2	57.2
90050	2	13	31.3	54.2
90050	2	14	33.9	52.1

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	1	1	22.6	68.2
90070	1	2	21.6	68.9
90070	1	3	20.8	69.8
90070	1	4	20.2	70.0
90070	1	5	19.6	70.6
90070	1	6	19.2	70.8
90070	1	7	18.8	71.1
90070	1	8	18.8	70.8
90070	1	9	19.6	70.6
90070	1	10	23.0	67.3
90070	1	11	26.9	63.5
90070	1	12	30.5	60.0
90070	1	13	33.4	57.2
90070	1	14	35.4	55.8
90070	1	15	36.4	55.0
90070	1	16	36.6	54.8
90070	1	17	35.0	56.2
90070	1	18	32.4	59.0
90070	1	19	30.3	61.3
90070	1	20	28.3	63.5
90070	1	21	26.9	64.7
90070	1	22	25.7	65.6
90070	1	23	24.7	66.4
90070	1	24	23.5	67.4
90070	2	1	25.3	67.0
90070	2	2	24.3	68.1
90070	2	3	23.6	68.6
90070	2	4	22.9	69.1
90070	2	5	22.1	69.9
90070	2	6	21.5	70.2
90070	2	7	20.9	70.7
90070	2	8	20.7	70.7
90070	2	9	22.7	68.5
90070	2	10	26.3	64.3
90070	2	11	29.8	59.7
90070	2	12	32.9	56.1
90070	2	13	35.4	53.5
90070	2	14	37.3	51.8

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	2	15	35.5	51.0
90050	2	16	36.1	50.5
90050	2	17	35.7	50.9
90050	2	18	33.5	52.7
90050	2	19	30.4	56.0
90050	2	20	28.2	58.7
90050	2	21	26.2	60.7
90050	2	22	24.6	62.4
90050	2	23	23.2	63.9
90050	2	24	21.8	65.1
90050	3	1	28.6	65.2
90050	3	2	27.6	66.7
90050	3	3	26.5	68.1
90050	3	4	25.5	69.4
90050	3	5	24.7	70.2
90050	3	6	24.0	71.1
90050	3	7	23.3	71.6
90050	3	8	24.5	70.8
90050	3	9	28.3	66.0
90050	3	10	32.0	60.5
90050	3	11	35.8	55.6
90050	3	12	39.0	52.0
90050	3	13	41.9	49.1
90050	3	14	43.8	47.4
90050	3	15	45.2	46.2
90050	3	16	45.5	45.7
90050	3	17	45.2	46.0
90050	3	18	43.3	47.7
90050	3	19	40.4	50.7
90050	3	20	37.5	54.3
90050	3	21	35.1	57.4
90050	3	22	33.4	59.7
90050	3	23	32.0	61.5
90050	3	24	30.6	63.5
90050	4	1	38.4	65.6
90050	4	2	37.1	67.3
90050	4	3	35.8	69.2
90050	4	4	34.9	70.5

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	2	15	38.5	50.6
90070	2	16	38.8	50.5
90070	2	17	38.1	51.2
90070	2	18	36.1	53.4
90070	2	19	33.2	56.9
90070	2	20	31.4	59.6
90070	2	21	29.8	61.8
90070	2	22	28.7	63.2
90070	2	23	27.5	64.4
90070	2	24	26.3	66.3
90070	3	1	32.8	66.8
90070	3	2	31.8	68.4
90070	3	3	31.1	69.5
90070	3	4	30.3	70.6
90070	3	5	29.6	71.4
90070	3	6	29.0	72.6
90070	3	7	28.6	72.8
90070	3	8	29.9	71.4
90070	3	9	33.3	66.0
90070	3	10	36.6	60.4
90070	3	11	39.8	55.5
90070	3	12	42.5	51.9
90070	3	13	44.7	49.1
90070	3	14	46.2	47.8
90070	3	15	47.1	46.9
90070	3	16	47.2	46.6
90070	3	17	46.6	47.3
90070	3	18	44.9	49.2
90070	3	19	42.1	52.7
90070	3	20	39.6	56.7
90070	3	21	37.9	59.3
90070	3	22	36.6	61.7
90070	3	23	35.4	63.6
90070	3	24	34.3	65.6
90070	4	1	41.9	68.2
90070	4	2	40.9	69.8
90070	4	3	39.9	71.1
90070	4	4	39.1	72.4

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	4	5	33.9	71.9
90050	4	6	33.1	73.0
90050	4	7	33.7	72.8
90050	4	8	37.1	68.8
90050	4	9	41.0	62.5
90050	4	10	44.9	57.0
90050	4	11	48.5	52.2
90050	4	12	51.5	48.6
90050	4	13	54.0	46.2
90050	4	14	55.9	44.3
90050	4	15	57.0	43.3
90050	4	16	57.2	43.1
90050	4	17	56.6	43.5
90050	4	18	55.1	44.9
90050	4	19	52.3	47.6
90050	4	20	49.0	51.7
90050	4	21	46.2	55.3
90050	4	22	44.1	58.5
90050	4	23	42.2	60.9
90050	4	24	40.5	63.5
90050	5	1	49.1	72.9
90050	5	2	47.8	75.4
90050	5	3	46.4	77.3
90050	5	4	45.4	78.8
90050	5	5	44.5	80.2
90050	5	6	43.9	81.1
90050	5	7	46.4	78.2
90050	5	8	50.2	72.5
90050	5	9	54.2	66.0
90050	5	10	58.1	60.2
90050	5	11	61.5	55.2
90050	5	12	64.3	51.6
90050	5	13	66.6	48.9
90050	5	14	68.1	47.1
90050	5	15	69.1	46.0
90050	5	16	69.1	45.9
90050	5	17	68.5	46.3
90050	5	18	66.9	48.0

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	4	5	38.4	73.2
90070	4	6	37.7	74.7
90070	4	7	38.4	74.1
90070	4	8	41.6	69.3
90070	4	9	45.0	63.0
90070	4	10	48.4	57.0
90070	4	11	51.3	52.2
90070	4	12	53.9	49.0
90070	4	13	55.7	46.8
90070	4	14	57.1	45.0
90070	4	15	57.8	44.4
90070	4	16	57.8	44.4
90070	4	17	57.0	45.4
90070	4	18	55.6	47.0
90070	4	19	53.0	50.4
90070	4	20	49.9	55.0
90070	4	21	47.8	58.8
90070	4	22	46.3	61.7
90070	4	23	44.7	64.0
90070	4	24	43.5	66.2
90070	5	1	51.6	75.4
90070	5	2	50.6	77.1
90070	5	3	49.5	79.1
90070	5	4	48.8	80.6
90070	5	5	48.1	81.5
90070	5	6	47.7	82.4
90070	5	7	50.1	79.1
90070	5	8	53.6	72.5
90070	5	9	57.2	65.6
90070	5	10	60.5	59.9
90070	5	11	63.3	55.3
90070	5	12	65.6	52.0
90070	5	13	67.3	49.7
90070	5	14	68.3	48.4
90070	5	15	69.0	47.6
90070	5	16	68.6	47.9
90070	5	17	67.9	48.5
90070	5	18	66.5	50.4

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	5	19	64.5	50.6
90050	5	20	61.0	55.1
90050	5	21	57.5	60.6
90050	5	22	54.9	64.3
90050	5	23	53.0	67.6
90050	5	24	51.2	70.6
90050	6	1	57.6	76.8
90050	6	2	56.3	78.8
90050	6	3	55.0	80.7
90050	6	4	54.0	82.2
90050	6	5	52.9	83.7
90050	6	6	52.8	84.3
90050	6	7	55.5	81.1
90050	6	8	59.0	75.6
90050	6	9	62.6	70.0
90050	6	10	66.2	64.8
90050	6	11	69.5	59.7
90050	6	12	72.3	55.7
90050	6	13	74.3	52.7
90050	6	14	75.7	50.6
90050	6	15	76.5	49.6
90050	6	16	76.6	49.5
90050	6	17	75.9	50.3
90050	6	18	74.4	51.9
90050	6	19	72.3	54.7
90050	6	20	69.1	59.2
90050	6	21	65.3	64.9
90050	6	22	62.9	68.8
90050	6	23	60.9	71.7
90050	6	24	59.3	74.2
90050	7	1	62.9	78.7
90050	7	2	61.6	80.6
90050	7	3	60.3	82.6
90050	7	4	59.3	83.8
90050	7	5	58.4	85.3
90050	7	6	58.0	85.9
90050	7	7	60.1	83.5
90050	7	8	63.7	77.9

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	5	19	64.1	53.5
90070	5	20	61.0	58.6
90070	5	21	58.1	64.0
90070	5	22	56.1	67.7
90070	5	23	54.5	70.7
90070	5	24	53.2	73.3
90070	6	1	60.7	78.8
90070	6	2	59.5	80.8
90070	6	3	58.5	82.2
90070	6	4	57.6	83.7
90070	6	5	56.9	84.6
90070	6	6	56.8	85.2
90070	6	7	59.5	81.4
90070	6	8	62.8	75.6
90070	6	9	66.3	69.7
90070	6	10	69.3	64.7
90070	6	11	72.3	60.1
90070	6	12	74.5	56.4
90070	6	13	76.1	54.1
90070	6	14	77.2	52.3
90070	6	15	77.6	51.6
90070	6	16	77.5	51.8
90070	6	17	76.7	52.8
90070	6	18	75.2	54.7
90070	6	19	73.1	58.1
90070	6	20	70.0	62.9
90070	6	21	66.9	68.2
90070	6	22	64.8	72.1
90070	6	23	63.3	74.3
90070	6	24	62.0	76.7
90070	7	1	66.5	80.7
90070	7	2	65.5	82.4
90070	7	3	64.6	83.8
90070	7	4	63.6	85.0
90070	7	5	62.9	86.1
90070	7	6	62.6	86.8
90070	7	7	64.8	83.5
90070	7	8	68.1	77.8

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	7	9	67.4	72.1
90050	7	10	71.2	66.1
90050	7	11	74.4	61.3
90050	7	12	77.2	57.0
90050	7	13	79.2	53.9
90050	7	14	80.6	51.9
90050	7	15	81.3	50.9
90050	7	16	81.3	50.9
90050	7	17	80.6	51.9
90050	7	18	79.2	53.7
90050	7	19	77.0	57.0
90050	7	20	73.9	61.8
90050	7	21	70.2	67.9
90050	7	22	67.9	71.6
90050	7	23	66.0	74.3
90050	7	24	64.4	76.9
90050	8	1	61.2	81.5
90050	8	2	60.0	83.2
90050	8	3	58.9	84.4
90050	8	4	57.9	85.9
90050	8	5	57.0	86.8
90050	8	6	56.3	87.4
90050	8	7	57.2	86.8
90050	8	8	60.6	82.1
90050	8	9	64.6	75.5
90050	8	10	68.4	69.2
90050	8	11	72.0	63.6
90050	8	12	74.9	59.2
90050	8	13	77.2	55.4
90050	8	14	78.6	53.3
90050	8	15	79.3	52.3
90050	8	16	79.3	52.3
90050	8	17	78.4	53.3
90050	8	18	76.9	55.4
90050	8	19	74.3	59.5
90050	8	20	70.4	66.0
90050	8	21	67.4	70.8
90050	8	22	65.4	74.3

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	7	9	71.5	71.7
90070	7	10	74.8	65.8
90070	7	11	77.4	61.4
90070	7	12	79.7	57.7
90070	7	13	81.2	55.4
90070	7	14	82.3	53.6
90070	7	15	82.8	53.0
90070	7	16	82.8	53.1
90070	7	17	82.0	54.3
90070	7	18	80.6	56.7
90070	7	19	78.5	60.1
90070	7	20	75.5	65.6
90070	7	21	72.3	71.3
90070	7	22	70.5	74.7
90070	7	23	69.0	77.0
90070	7	24	67.8	79.1
90070	8	1	65.1	83.0
90070	8	2	64.2	84.4
90070	8	3	63.3	85.6
90070	8	4	62.5	86.4
90070	8	5	61.8	87.0
90070	8	6	61.2	87.9
90070	8	7	62.2	86.7
90070	8	8	65.5	81.5
90070	8	9	69.1	74.9
90070	8	10	72.5	68.6
90070	8	11	75.3	63.4
90070	8	12	77.7	59.5
90070	8	13	79.3	56.5
90070	8	14	80.5	54.7
90070	8	15	80.9	54.0
90070	8	16	80.8	54.4
90070	8	17	79.9	55.6
90070	8	18	78.3	58.2
90070	8	19	75.8	62.8
90070	8	20	72.6	68.6
90070	8	21	70.1	73.4
90070	8	22	68.5	76.7

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	8	23	63.7	77.1
90050	8	24	62.3	79.3
90050	9	1	53.2	82.4
90050	9	2	52.2	83.3
90050	9	3	51.1	84.8
90050	9	4	50.2	85.7
90050	9	5	49.4	86.3
90050	9	6	48.7	87.0
90050	9	7	48.4	87.3
90050	9	8	51.4	84.2
90050	9	9	55.4	78.4
90050	9	10	59.7	71.8
90050	9	11	63.4	65.6
90050	9	12	66.5	60.7
90050	9	13	68.9	57.1
90050	9	14	70.6	54.5
90050	9	15	71.5	53.2
90050	9	16	71.3	53.4
90050	9	17	70.4	54.6
90050	9	18	68.3	57.6
90050	9	19	64.4	64.1
90050	9	20	60.8	70.4
90050	9	21	58.7	73.6
90050	9	22	56.9	76.2
90050	9	23	55.3	78.7
90050	9	24	53.9	80.7
90050	10	1	42.1	77.5
90050	10	2	41.0	79.0
90050	10	3	39.9	80.2
90050	10	4	39.1	81.1
90050	10	5	38.4	81.7
90050	10	6	37.6	82.3
90050	10	7	37.1	82.9
90050	10	8	38.5	81.4
90050	10	9	42.9	76.1
90050	10	10	47.4	69.1
90050	10	11	51.5	62.9
90050	10	12	55.1	58.0

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	8	23	67.2	79.1
90070	8	24	66.0	81.0
90070	9	1	57.2	83.0
90070	9	2	56.2	84.2
90070	9	3	55.4	85.4
90070	9	4	54.6	86.3
90070	9	5	53.9	86.9
90070	9	6	53.3	87.2
90070	9	7	53.2	87.5
90070	9	8	56.3	83.6
90070	9	9	60.3	77.1
90070	9	10	64.0	70.4
90070	9	11	67.1	64.6
90070	9	12	69.7	60.0
90070	9	13	71.5	57.2
90070	9	14	72.8	55.2
90070	9	15	73.3	54.5
90070	9	16	72.9	54.8
90070	9	17	71.9	56.5
90070	9	18	69.9	59.8
90070	9	19	66.5	66.2
90070	9	20	63.3	72.5
90070	9	21	61.4	76.1
90070	9	22	60.0	77.9
90070	9	23	58.8	80.1
90070	9	24	57.7	81.5
90070	10	1	45.9	79.1
90070	10	2	45.1	80.0
90070	10	3	44.3	80.8
90070	10	4	43.4	82.1
90070	10	5	42.9	82.3
90070	10	6	42.3	82.9
90070	10	7	41.9	83.2
90070	10	8	43.6	81.4
90070	10	9	48.0	75.1
90070	10	10	52.1	67.5
90070	10	11	55.6	61.3
90070	10	12	58.5	56.7

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	10	13	57.9	54.0
90050	10	14	59.8	51.5
90050	10	15	60.7	50.2
90050	10	16	60.7	49.9
90050	10	17	59.3	51.6
90050	10	18	56.0	55.9
90050	10	19	52.1	62.0
90050	10	20	49.6	66.2
90050	10	21	47.6	69.4
90050	10	22	45.9	72.0
90050	10	23	44.3	74.1
90050	10	24	42.9	76.1
90050	11	1	33.7	71.9
90050	11	2	32.7	72.6
90050	11	3	32.0	73.5
90050	11	4	31.2	74.0
90050	11	5	30.4	74.9
90050	11	6	29.8	75.1
90050	11	7	29.0	76.0
90050	11	8	29.0	76.0
90050	11	9	32.0	73.5
90050	11	10	36.1	68.9
90050	11	11	40.2	64.0
90050	11	12	43.8	59.7
90050	11	13	46.5	56.8
90050	11	14	48.3	54.8
90050	11	15	49.3	53.6
90050	11	16	48.9	53.8
90050	11	17	46.9	55.7
90050	11	18	43.6	58.9
90050	11	19	41.0	62.3
90050	11	20	39.1	64.6
90050	11	21	37.5	66.6
90050	11	22	36.3	67.8
90050	11	23	35.1	69.1
90050	11	24	34.1	70.1
90050	12	1	23.6	70.1
90050	12	2	22.7	70.9

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	10	13	60.6	53.4
90070	10	14	61.8	51.6
90070	10	15	62.5	50.5
90070	10	16	62.2	50.9
90070	10	17	60.7	53.0
90070	10	18	57.7	57.9
90070	10	19	54.3	64.0
90070	10	20	52.1	68.3
90070	10	21	50.5	71.4
90070	10	22	49.1	73.8
90070	10	23	47.7	75.9
90070	10	24	46.6	77.3
90070	11	1	37.7	72.9
90070	11	2	36.9	73.7
90070	11	3	36.2	74.5
90070	11	4	35.5	75.4
90070	11	5	35.0	75.6
90070	11	6	34.5	76.2
90070	11	7	34.0	76.5
90070	11	8	34.0	76.5
90070	11	9	37.1	73.7
90070	11	10	41.0	68.4
90070	11	11	44.7	63.0
90070	11	12	47.6	59.0
90070	11	13	49.8	56.1
90070	11	14	51.3	54.1
90070	11	15	51.8	53.3
90070	11	16	51.3	53.7
90070	11	17	49.3	56.2
90070	11	18	46.2	60.0
90070	11	19	44.0	63.4
90070	11	20	42.1	65.8
90070	11	21	40.8	67.8
90070	11	22	39.8	69.1
90070	11	23	38.9	70.1
90070	11	24	38.1	71.2
90070	12	1	28.1	70.6
90070	12	2	27.5	71.2

Table E-3: MOVES Annual Meteorological Inputs for Litchfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90050	12	3	22.0	71.5
90050	12	4	21.3	72.0
90050	12	5	20.4	72.5
90050	12	6	19.9	72.8
90050	12	7	19.2	73.4
90050	12	8	19.2	73.1
90050	12	9	20.1	72.2
90050	12	10	23.9	69.5
90050	12	11	28.1	65.4
90050	12	12	31.8	61.5
90050	12	13	34.6	59.1
90050	12	14	36.7	57.2
90050	12	15	37.9	55.9
90050	12	16	37.9	55.9
90050	12	17	35.8	57.5
90050	12	18	32.5	60.6
90050	12	19	30.4	62.7
90050	12	20	28.8	64.3
90050	12	21	27.4	65.6
90050	12	22	26.2	66.8
90050	12	23	25.0	67.9
90050	12	24	24.1	68.9

Table E-4: MOVES Annual Meteorological Inputs for Middlesex County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90070	12	3	26.9	71.4
90070	12	4	26.3	72.3
90070	12	5	25.7	72.8
90070	12	6	25.3	72.8
90070	12	7	24.9	73.4
90070	12	8	24.7	73.3
90070	12	9	25.7	72.5
90070	12	10	29.5	69.0
90070	12	11	33.3	64.4
90070	12	12	36.5	60.4
90070	12	13	39.1	57.5
90070	12	14	40.5	56.1
90070	12	15	41.3	55.1
90070	12	16	40.9	55.5
90070	12	17	38.9	57.3
90070	12	18	36.1	60.6
90070	12	19	34.1	62.9
90070	12	20	32.5	64.6
90070	12	21	31.3	66.1
90070	12	22	30.3	67.4
90070	12	23	29.5	68.1
90070	12	24	28.7	69.2

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	1	1	22.0	67.2
90090	1	2	21.0	68.3
90090	1	3	20.3	68.8
90090	1	4	19.7	69.0
90090	1	5	19.1	69.6
90090	1	6	18.4	70.1
90090	1	7	18.0	70.4
90090	1	8	17.8	70.7
90090	1	9	18.6	70.1
90090	1	10	21.6	67.4
90090	1	11	25.4	64.2
90090	1	12	29.0	60.9
90090	1	13	31.9	58.5
90090	1	14	34.0	56.8
90090	1	15	35.3	56.0
90090	1	16	35.5	55.6
90090	1	17	34.4	56.6
90090	1	18	32.1	58.7
90090	1	19	29.8	61.0
90090	1	20	28.1	62.3
90090	1	21	26.6	63.8
90090	1	22	25.4	64.7
90090	1	23	24.3	65.4
90090	1	24	23.3	66.2
90090	2	1	24.5	65.8
90090	2	2	23.4	67.1
90090	2	3	22.5	67.9
90090	2	4	21.6	68.6
90090	2	5	20.9	69.2
90090	2	6	20.2	69.7
90090	2	7	19.7	69.9
90090	2	8	19.3	70.2
90090	2	9	21.3	67.7
90090	2	10	24.5	64.0
90090	2	11	27.9	60.2
90090	2	12	30.9	57.1
90090	2	13	33.8	54.1
90090	2	14	35.7	52.4

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	1	1	22.9	68.2
90110	1	2	21.9	69.0
90110	1	3	21.3	69.2
90110	1	4	20.6	69.7
90110	1	5	20.2	70.0
90110	1	6	19.6	70.6
90110	1	7	19.2	71.1
90110	1	8	19.0	71.1
90110	1	9	20.0	70.3
90110	1	10	23.5	67.1
90110	1	11	27.6	63.1
90110	1	12	31.3	59.4
90110	1	13	34.3	56.8
90110	1	14	36.2	55.2
90110	1	15	37.4	54.2
90110	1	16	37.4	54.5
90110	1	17	35.8	55.9
90110	1	18	32.9	58.8
90110	1	19	30.7	61.4
90110	1	20	28.8	63.5
90110	1	21	27.4	64.7
90110	1	22	26.0	65.7
90110	1	23	25.1	66.4
90110	1	24	24.1	67.2
90110	2	1	25.4	66.7
90110	2	2	24.4	67.8
90110	2	3	23.6	68.6
90110	2	4	22.9	69.1
90110	2	5	22.2	69.6
90110	2	6	21.5	70.2
90110	2	7	20.9	70.7
90110	2	8	20.7	71.0
90110	2	9	22.9	68.2
90110	2	10	26.6	63.8
90110	2	11	30.2	59.2
90110	2	12	33.4	55.7
90110	2	13	35.9	53.1
90110	2	14	37.8	51.2

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	2	15	37.2	51.1
90090	2	16	37.7	50.7
90090	2	17	37.2	51.3
90090	2	18	35.2	53.4
90090	2	19	32.5	56.6
90090	2	20	30.7	59.0
90090	2	21	29.1	60.9
90090	2	22	27.9	62.3
90090	2	23	26.6	63.8
90090	2	24	25.6	65.0
90090	3	1	32.5	65.4
90090	3	2	31.6	66.9
90090	3	3	30.7	68.3
90090	3	4	29.9	69.3
90090	3	5	29.2	70.1
90090	3	6	28.6	71.0
90090	3	7	28.0	71.5
90090	3	8	29.2	70.1
90090	3	9	32.2	65.6
90090	3	10	35.3	60.7
90090	3	11	38.5	55.8
90090	3	12	41.3	52.2
90090	3	13	43.6	49.4
90090	3	14	45.2	47.6
90090	3	15	46.3	46.8
90090	3	16	46.7	46.1
90090	3	17	46.1	46.8
90090	3	18	44.6	48.3
90090	3	19	42.1	51.6
90090	3	20	39.7	55.0
90090	3	21	37.9	57.8
90090	3	22	36.5	59.9
90090	3	23	35.3	61.7
90090	3	24	34.1	64.0
90090	4	1	41.6	66.0
90090	4	2	40.6	67.5
90090	4	3	39.4	69.3
90090	4	4	38.6	70.6

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	2	15	39.1	49.9
90110	2	16	39.3	49.9
90110	2	17	38.5	50.6
90110	2	18	36.3	53.2
90110	2	19	33.4	56.9
90110	2	20	31.4	59.6
90110	2	21	29.8	61.5
90110	2	22	28.6	63.2
90110	2	23	27.3	65.0
90110	2	24	26.3	66.3
90110	3	1	32.6	66.8
90110	3	2	31.7	68.1
90110	3	3	31.0	69.2
90110	3	4	30.3	70.3
90110	3	5	29.5	71.1
90110	3	6	28.9	72.2
90110	3	7	28.5	72.5
90110	3	8	30.0	70.8
90110	3	9	33.3	65.5
90110	3	10	36.9	59.7
90110	3	11	40.1	54.9
90110	3	12	42.9	51.3
90110	3	13	45.1	48.6
90110	3	14	46.5	47.0
90110	3	15	47.3	46.4
90110	3	16	47.4	46.2
90110	3	17	46.7	47.1
90110	3	18	44.9	48.8
90110	3	19	42.1	52.3
90110	3	20	39.6	56.2
90110	3	21	37.7	59.3
90110	3	22	36.3	61.9
90110	3	23	35.1	63.8
90110	3	24	34.1	65.3
90110	4	1	41.6	67.6
90110	4	2	40.6	69.2
90110	4	3	39.7	70.7
90110	4	4	38.7	72.4

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	4	5	37.8	71.7
90090	4	6	37.1	72.8
90090	4	7	37.5	72.6
90090	4	8	40.6	68.3
90090	4	9	43.9	62.4
90090	4	10	47.1	57.1
90090	4	11	50.2	52.7
90090	4	12	52.8	49.2
90090	4	13	54.8	46.9
90090	4	14	56.4	45.1
90090	4	15	57.5	44.0
90090	4	16	57.6	43.9
90090	4	17	56.9	44.5
90090	4	18	55.6	45.9
90090	4	19	53.2	48.7
90090	4	20	50.2	52.9
90090	4	21	48.0	56.3
90090	4	22	46.3	59.3
90090	4	23	44.7	61.7
90090	4	24	43.4	63.9
90090	5	1	51.7	72.9
90090	5	2	50.5	75.0
90090	5	3	49.4	77.0
90090	5	4	48.6	78.1
90090	5	5	47.8	79.6
90090	5	6	47.3	80.5
90090	5	7	49.3	78.2
90090	5	8	52.5	72.1
90090	5	9	56.0	66.0
90090	5	10	59.2	60.6
90090	5	11	62.0	56.1
90090	5	12	64.5	52.4
90090	5	13	66.4	49.8
90090	5	14	67.7	48.0
90090	5	15	68.5	47.2
90090	5	16	68.4	47.0
90090	5	17	67.7	47.8
90090	5	18	66.4	49.2

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	4	5	38.1	72.9
90110	4	6	37.6	74.1
90110	4	7	38.1	73.5
90110	4	8	41.4	68.7
90110	4	9	44.9	62.3
90110	4	10	48.3	56.1
90110	4	11	51.1	51.6
90110	4	12	53.6	48.2
90110	4	13	55.4	46.2
90110	4	14	56.6	44.6
90110	4	15	57.3	44.0
90110	4	16	57.3	43.8
90110	4	17	56.3	44.9
90110	4	18	55.0	46.5
90110	4	19	52.4	49.9
90110	4	20	49.4	54.5
90110	4	21	47.3	58.3
90110	4	22	45.7	61.4
90110	4	23	44.2	63.7
90110	4	24	42.9	65.9
90110	5	1	51.0	75.4
90110	5	2	50.0	77.3
90110	5	3	49.1	79.1
90110	5	4	48.3	80.2
90110	5	5	47.7	81.4
90110	5	6	47.4	81.7
90110	5	7	49.6	78.8
90110	5	8	53.1	72.5
90110	5	9	56.8	65.3
90110	5	10	60.0	59.6
90110	5	11	62.8	55.0
90110	5	12	65.0	51.7
90110	5	13	66.6	49.6
90110	5	14	67.7	48.0
90110	5	15	68.1	47.7
90110	5	16	67.8	47.8
90110	5	17	67.2	48.2
90110	5	18	65.7	50.2

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	5	19	64.2	52.1
90090	5	20	61.2	56.9
90090	5	21	58.4	61.6
90090	5	22	56.4	65.2
90090	5	23	54.8	68.1
90090	5	24	53.4	70.6
90090	6	1	60.9	76.0
90090	6	2	59.7	77.9
90090	6	3	58.6	79.8
90090	6	4	57.7	81.2
90090	6	5	56.9	82.7
90090	6	6	56.6	83.3
90090	6	7	59.0	80.2
90090	6	8	62.0	75.0
90090	6	9	65.2	69.8
90090	6	10	68.5	64.6
90090	6	11	71.4	59.8
90090	6	12	73.9	55.9
90090	6	13	75.6	53.2
90090	6	14	77.0	51.4
90090	6	15	77.5	50.5
90090	6	16	77.5	50.5
90090	6	17	76.7	51.5
90090	6	18	75.3	53.2
90090	6	19	73.5	55.9
90090	6	20	70.6	60.1
90090	6	21	67.5	65.4
90090	6	22	65.4	69.1
90090	6	23	63.7	71.4
90090	6	24	62.4	73.4
90090	7	1	66.8	77.7
90090	7	2	65.6	79.8
90090	7	3	64.5	81.5
90090	7	4	63.6	82.9
90090	7	5	62.8	84.0
90090	7	6	62.4	84.6
90090	7	7	64.4	82.0
90090	7	8	67.5	76.9

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	5	19	63.3	53.4
90110	5	20	60.3	58.5
90110	5	21	57.3	63.9
90110	5	22	55.4	67.4
90110	5	23	53.8	70.6
90110	5	24	52.5	73.3
90110	6	1	59.6	79.0
90110	6	2	58.6	80.7
90110	6	3	57.7	82.2
90110	6	4	56.9	83.3
90110	6	5	56.3	84.2
90110	6	6	56.3	84.5
90110	6	7	58.7	81.0
90110	6	8	62.1	75.3
90110	6	9	65.6	69.3
90110	6	10	68.7	64.1
90110	6	11	71.4	59.6
90110	6	12	73.5	56.1
90110	6	13	75.1	53.7
90110	6	14	76.2	52.0
90110	6	15	76.5	51.3
90110	6	16	76.4	51.5
90110	6	17	75.5	52.6
90110	6	18	74.1	54.6
90110	6	19	71.9	57.9
90110	6	20	68.9	62.8
90110	6	21	65.8	68.4
90110	6	22	63.9	71.7
90110	6	23	62.3	74.2
90110	6	24	61.1	76.6
90110	7	1	65.9	81.0
90110	7	2	65.0	82.4
90110	7	3	64.1	83.8
90110	7	4	63.3	84.9
90110	7	5	62.6	86.1
90110	7	6	62.4	86.4
90110	7	7	64.5	83.2
90110	7	8	67.7	77.5

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	7	9	70.7	71.4
90090	7	10	73.9	65.9
90090	7	11	76.7	61.6
90090	7	12	79.3	57.5
90090	7	13	81.0	54.6
90090	7	14	82.2	52.9
90090	7	15	82.9	51.7
90090	7	16	82.9	51.7
90090	7	17	82.2	52.9
90090	7	18	80.9	54.8
90090	7	19	78.9	57.8
90090	7	20	76.1	62.6
90090	7	21	73.0	67.9
90090	7	22	71.1	71.4
90090	7	23	69.5	73.9
90090	7	24	68.2	76.1
90090	8	1	65.1	80.6
90090	8	2	64.2	82.0
90090	8	3	63.1	83.4
90090	8	4	62.3	84.6
90090	8	5	61.6	85.5
90090	8	6	60.9	86.3
90090	8	7	61.7	85.5
90090	8	8	64.7	80.9
90090	8	9	68.1	74.8
90090	8	10	71.4	68.7
90090	8	11	74.5	63.7
90090	8	12	76.8	59.6
90090	8	13	78.8	56.2
90090	8	14	80.1	54.1
90090	8	15	80.8	53.0
90090	8	16	80.8	53.0
90090	8	17	79.9	54.2
90090	8	18	78.4	56.6
90090	8	19	76.2	60.4
90090	8	20	72.9	66.3
90090	8	21	70.4	70.9
90090	8	22	68.8	73.8

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	7	9	71.1	71.4
90110	7	10	74.2	65.5
90110	7	11	76.8	60.9
90110	7	12	78.9	57.2
90110	7	13	80.4	54.9
90110	7	14	81.4	53.3
90110	7	15	81.9	52.5
90110	7	16	81.8	52.8
90110	7	17	81.2	53.8
90110	7	18	79.7	56.3
90110	7	19	77.7	59.8
90110	7	20	74.7	65.1
90110	7	21	71.6	71.0
90110	7	22	69.7	74.9
90110	7	23	68.4	77.0
90110	7	24	67.1	79.1
90110	8	1	64.8	82.9
90110	8	2	63.9	84.4
90110	8	3	63.2	85.2
90110	8	4	62.4	86.4
90110	8	5	61.8	87.0
90110	8	6	61.2	87.9
90110	8	7	62.3	86.1
90110	8	8	65.4	81.2
90110	8	9	69.0	74.6
90110	8	10	72.4	68.1
90110	8	11	75.3	62.7
90110	8	12	77.4	59.1
90110	8	13	79.0	56.1
90110	8	14	80.1	54.3
90110	8	15	80.5	53.6
90110	8	16	80.3	54.1
90110	8	17	79.3	55.7
90110	8	18	77.8	58.3
90110	8	19	75.4	62.7
90110	8	20	72.0	69.1
90110	8	21	69.7	73.6
90110	8	22	68.0	76.9

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	8	23	67.4	76.6
90090	8	24	66.2	78.4
90090	9	1	57.3	80.9
90090	9	2	56.2	82.3
90090	9	3	55.3	83.5
90090	9	4	54.5	84.4
90090	9	5	53.8	85.0
90090	9	6	53.1	85.9
90090	9	7	52.8	86.2
90090	9	8	55.6	82.6
90090	9	9	59.2	77.0
90090	9	10	62.9	70.8
90090	9	11	66.1	65.2
90090	9	12	68.9	60.5
90090	9	13	71.0	57.2
90090	9	14	72.3	55.1
90090	9	15	73.1	53.8
90090	9	16	73.0	53.8
90090	9	17	72.0	55.5
90090	9	18	70.2	58.3
90090	9	19	66.8	64.1
90090	9	20	63.9	69.7
90090	9	21	61.9	73.1
90090	9	22	60.4	75.4
90090	9	23	59.1	77.6
90090	9	24	57.8	79.5
90090	10	1	45.7	77.0
90090	10	2	44.8	78.1
90090	10	3	44.0	78.9
90090	10	4	43.1	80.1
90090	10	5	42.3	80.7
90090	10	6	41.7	81.3
90090	10	7	41.3	81.6
90090	10	8	42.6	80.1
90090	10	9	46.6	74.7
90090	10	10	50.6	68.4
90090	10	11	54.3	62.5
90090	10	12	57.4	57.9

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	8	23	66.8	79.0
90110	8	24	65.7	81.2
90110	9	1	57.1	83.3
90110	9	2	56.2	84.5
90110	9	3	55.4	85.7
90110	9	4	54.7	86.3
90110	9	5	54.2	86.6
90110	9	6	53.5	87.5
90110	9	7	53.4	87.5
90110	9	8	56.5	83.6
90110	9	9	60.4	77.1
90110	9	10	64.1	70.2
90110	9	11	67.3	64.0
90110	9	12	69.9	59.6
90110	9	13	71.7	56.4
90110	9	14	72.8	54.6
90110	9	15	73.3	53.9
90110	9	16	72.9	54.4
90110	9	17	71.8	56.3
90110	9	18	69.7	59.8
90110	9	19	66.3	66.2
90110	9	20	63.2	72.4
90110	9	21	61.4	76.1
90110	9	22	59.9	78.2
90110	9	23	58.6	80.7
90110	9	24	57.6	81.8
90110	10	1	45.7	79.1
90110	10	2	44.9	80.3
90110	10	3	44.0	81.1
90110	10	4	43.3	81.7
90110	10	5	42.8	82.0
90110	10	6	42.2	82.6
90110	10	7	41.8	82.9
90110	10	8	43.3	81.1
90110	10	9	47.8	75.1
90110	10	10	52.1	67.5
90110	10	11	55.9	61.1
90110	10	12	58.8	56.3

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	10	13	59.8	54.3
90090	10	14	61.4	52.1
90090	10	15	62.3	50.9
90090	10	16	62.2	50.7
90090	10	17	60.8	52.4
90090	10	18	58.0	56.6
90090	10	19	54.6	62.3
90090	10	20	52.4	66.3
90090	10	21	50.6	69.2
90090	10	22	49.1	71.5
90090	10	23	47.8	73.3
90090	10	24	46.6	75.0
90090	11	1	37.0	71.0
90090	11	2	36.1	72.1
90090	11	3	35.4	72.9
90090	11	4	34.4	73.7
90090	11	5	33.7	74.3
90090	11	6	33.2	74.8
90090	11	7	32.6	75.4
90090	11	8	32.6	75.4
90090	11	9	35.4	72.6
90090	11	10	39.3	68.2
90090	11	11	43.0	63.3
90090	11	12	46.1	59.3
90090	11	13	48.5	56.6
90090	11	14	50.2	54.6
90090	11	15	50.9	53.6
90090	11	16	50.7	53.6
90090	11	17	48.7	55.7
90090	11	18	45.7	59.0
90090	11	19	43.5	62.1
90090	11	20	41.8	64.2
90090	11	21	40.4	66.1
90090	11	22	39.3	67.3
90090	11	23	38.3	68.3
90090	11	24	37.4	69.6
90090	12	1	27.4	69.3
90090	12	2	26.8	69.9

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	10	13	60.9	53.3
90110	10	14	62.2	51.3
90110	10	15	62.9	50.2
90110	10	16	62.5	50.5
90110	10	17	60.9	52.7
90110	10	18	57.6	57.9
90110	10	19	54.1	64.2
90110	10	20	51.9	68.6
90110	10	21	50.2	71.6
90110	10	22	48.8	74.0
90110	10	23	47.5	75.9
90110	10	24	46.4	77.3
90110	11	1	37.6	72.9
90110	11	2	36.7	74.0
90110	11	3	36.1	74.8
90110	11	4	35.5	75.1
90110	11	5	34.8	75.9
90110	11	6	34.3	76.2
90110	11	7	33.8	76.8
90110	11	8	34.0	76.5
90110	11	9	36.9	73.7
90110	11	10	41.1	68.4
90110	11	11	45.1	62.8
90110	11	12	48.2	58.6
90110	11	13	50.4	55.7
90110	11	14	51.8	54.0
90110	11	15	52.5	53.0
90110	11	16	52.0	53.4
90110	11	17	49.6	56.3
90110	11	18	46.3	60.0
90110	11	19	44.0	63.7
90110	11	20	42.3	66.1
90110	11	21	40.7	68.3
90110	11	22	39.7	69.6
90110	11	23	38.8	70.7
90110	11	24	38.0	71.7
90110	12	1	28.4	70.7
90110	12	2	27.8	71.2

Table E-5: MOVES Annual Meteorological Inputs for New Haven County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90090	12	3	25.9	70.7
90090	12	4	25.2	71.2
90090	12	5	24.6	71.8
90090	12	6	23.9	72.0
90090	12	7	23.5	72.6
90090	12	8	23.5	72.3
90090	12	9	24.4	71.4
90090	12	10	27.9	68.5
90090	12	11	31.6	64.7
90090	12	12	34.6	61.1
90090	12	13	37.3	58.7
90090	12	14	39.2	56.8
90090	12	15	40.1	55.8
90090	12	16	40.1	55.8
90090	12	17	38.1	57.6
90090	12	18	35.5	60.2
90090	12	19	33.5	62.3
90090	12	20	32.0	63.7
90090	12	21	30.9	64.9
90090	12	22	29.8	66.2
90090	12	23	28.7	67.4
90090	12	24	27.9	68.2

Table E-6: MOVES Annual Meteorological Inputs for New London County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90110	12	3	27.0	71.7
90110	12	4	26.6	72.3
90110	12	5	26.0	72.8
90110	12	6	25.4	73.1
90110	12	7	25.0	73.7
90110	12	8	24.8	73.3
90110	12	9	26.0	72.5
90110	12	10	29.8	69.0
90110	12	11	33.9	64.5
90110	12	12	37.3	60.2
90110	12	13	39.7	57.6
90110	12	14	41.3	56.0
90110	12	15	42.1	55.0
90110	12	16	41.7	55.1
90110	12	17	39.5	57.4
90110	12	18	36.5	60.6
90110	12	19	34.5	62.9
90110	12	20	32.8	64.9
90110	12	21	31.6	66.4
90110	12	22	30.4	67.7
90110	12	23	29.6	68.7
90110	12	24	28.8	69.5

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	1	1	19.3	66.2
90130	1	2	18.2	67.0
90130	1	3	17.3	67.5
90130	1	4	16.7	67.7
90130	1	5	15.8	68.5
90130	1	6	15.4	68.8
90130	1	7	14.9	69.4
90130	1	8	14.7	69.3
90130	1	9	15.6	68.8
90130	1	10	19.3	65.4
90130	1	11	23.6	61.7
90130	1	12	27.5	58.3
90130	1	13	31.0	55.6
90130	1	14	33.2	54.1
90130	1	15	34.7	53.4
90130	1	16	34.7	53.4
90130	1	17	33.4	54.3
90130	1	18	30.6	56.8
90130	1	19	28.2	59.2
90130	1	20	26.0	61.0
90130	1	21	24.5	62.4
90130	1	22	23.0	63.6
90130	1	23	21.9	64.0
90130	1	24	20.6	65.2
90130	2	1	22.4	64.3
90130	2	2	21.1	65.6
90130	2	3	20.2	66.7
90130	2	4	19.3	67.1
90130	2	5	18.6	67.7
90130	2	6	17.8	67.9
90130	2	7	17.1	68.7
90130	2	8	16.9	68.7
90130	2	9	19.1	66.2
90130	2	10	22.8	62.1
90130	2	11	26.6	57.9
90130	2	12	30.1	54.5
90130	2	13	33.1	51.8
90130	2	14	35.3	49.9

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	1	1	19.5	66.3
90150	1	2	18.4	67.0
90150	1	3	17.5	67.8
90150	1	4	16.9	68.1
90150	1	5	16.2	68.3
90150	1	6	15.8	68.5
90150	1	7	15.3	69.1
90150	1	8	15.1	69.1
90150	1	9	16.2	68.6
90150	1	10	19.9	65.5
90150	1	11	24.5	61.6
90150	1	12	28.5	58.2
90150	1	13	32.0	55.5
90150	1	14	34.2	54.0
90150	1	15	35.5	53.3
90150	1	16	35.5	53.3
90150	1	17	33.7	54.6
90150	1	18	30.7	57.5
90150	1	19	28.3	59.7
90150	1	20	26.1	61.8
90150	1	21	24.5	63.2
90150	1	22	23.0	64.1
90150	1	23	21.9	64.6
90150	1	24	20.8	65.6
90150	2	1	22.4	65.8
90150	2	2	21.2	66.5
90150	2	3	20.4	67.3
90150	2	4	19.7	67.5
90150	2	5	18.9	68.3
90150	2	6	18.2	68.5
90150	2	7	17.4	69.4
90150	2	8	17.2	69.3
90150	2	9	19.7	66.6
90150	2	10	23.7	62.5
90150	2	11	27.7	58.1
90150	2	12	31.1	54.9
90150	2	13	34.0	52.4
90150	2	14	36.1	50.5

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	2	15	36.7	48.7
90130	2	16	37.3	48.4
90130	2	17	36.6	48.9
90130	2	18	34.4	51.1
90130	2	19	31.2	54.5
90130	2	20	29.2	56.8
90130	2	21	27.6	58.8
90130	2	22	26.1	60.7
90130	2	23	24.6	62.1
90130	2	24	23.5	63.6
90130	3	1	30.5	64.3
90130	3	2	29.4	66.1
90130	3	3	28.4	67.4
90130	3	4	27.7	68.5
90130	3	5	26.9	69.3
90130	3	6	26.3	70.1
90130	3	7	25.8	70.7
90130	3	8	27.2	69.0
90130	3	9	30.6	64.3
90130	3	10	34.2	58.5
90130	3	11	37.8	53.6
90130	3	12	40.7	50.2
90130	3	13	43.2	47.3
90130	3	14	44.9	45.8
90130	3	15	46.0	44.9
90130	3	16	46.3	44.4
90130	3	17	45.7	45.0
90130	3	18	44.0	46.4
90130	3	19	40.9	50.0
90130	3	20	38.2	53.5
90130	3	21	36.2	56.4
90130	3	22	34.7	58.9
90130	3	23	33.4	60.7
90130	3	24	32.2	62.9
90130	4	1	39.8	65.8
90130	4	2	38.6	67.5
90130	4	3	37.6	69.1
90130	4	4	36.5	70.7

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	2	15	37.6	49.4
90150	2	16	38.0	49.1
90150	2	17	37.0	49.8
90150	2	18	34.6	52.2
90150	2	19	31.3	55.9
90150	2	20	29.2	58.3
90150	2	21	27.5	60.4
90150	2	22	26.2	61.8
90150	2	23	24.6	63.5
90150	2	24	23.5	64.8
90150	3	1	30.5	65.7
90150	3	2	29.5	67.3
90150	3	3	28.5	68.6
90150	3	4	27.9	69.4
90150	3	5	27.0	70.2
90150	3	6	26.4	71.0
90150	3	7	25.9	71.6
90150	3	8	27.7	69.7
90150	3	9	31.3	64.7
90150	3	10	35.2	58.9
90150	3	11	38.6	54.4
90150	3	12	41.7	50.7
90150	3	13	44.2	48.0
90150	3	14	45.8	46.7
90150	3	15	46.6	46.1
90150	3	16	46.8	45.7
90150	3	17	46.0	46.6
90150	3	18	44.0	48.2
90150	3	19	40.8	52.1
90150	3	20	38.1	55.5
90150	3	21	36.0	58.6
90150	3	22	34.6	60.9
90150	3	23	33.2	62.8
90150	3	24	32.1	64.5
90150	4	1	39.7	67.4
90150	4	2	38.6	68.9
90150	4	3	37.5	70.5
90150	4	4	36.5	71.6

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	4	5	35.8	71.8
90130	4	6	35.2	72.6
90130	4	7	35.8	72.4
90130	4	8	39.2	67.3
90130	4	9	42.8	61.2
90130	4	10	46.5	55.2
90130	4	11	49.8	50.3
90130	4	12	52.6	46.9
90130	4	13	54.7	44.6
90130	4	14	56.5	42.8
90130	4	15	57.4	42.0
90130	4	16	57.4	42.0
90130	4	17	56.7	42.5
90130	4	18	55.2	44.2
90130	4	19	52.3	47.6
90130	4	20	49.1	51.7
90130	4	21	46.7	55.4
90130	4	22	44.7	58.8
90130	4	23	43.1	61.0
90130	4	24	41.6	63.6
90130	5	1	49.6	73.8
90130	5	2	48.5	75.7
90130	5	3	47.3	77.7
90130	5	4	46.5	79.1
90130	5	5	45.6	80.3
90130	5	6	45.2	80.9
90130	5	7	47.8	77.7
90130	5	8	51.3	71.5
90130	5	9	55.3	64.9
90130	5	10	58.9	59.0
90130	5	11	62.1	54.2
90130	5	12	64.7	50.7
90130	5	13	66.7	48.2
90130	5	14	68.2	46.6
90130	5	15	69.0	45.7
90130	5	16	68.9	45.5
90130	5	17	68.2	46.2
90130	5	18	66.6	48.0

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	4	5	35.7	72.7
90150	4	6	35.1	73.5
90150	4	7	35.9	73.0
90150	4	8	39.7	67.9
90150	4	9	43.7	61.4
90150	4	10	47.3	55.7
90150	4	11	50.7	51.3
90150	4	12	53.5	48.0
90150	4	13	55.6	46.0
90150	4	14	57.0	44.5
90150	4	15	57.8	43.9
90150	4	16	57.8	43.9
90150	4	17	56.7	45.0
90150	4	18	54.9	46.7
90150	4	19	52.1	50.1
90150	4	20	48.6	54.6
90150	4	21	46.2	58.3
90150	4	22	44.5	61.2
90150	4	23	42.7	63.5
90150	4	24	41.4	65.4
90150	5	1	49.2	75.2
90150	5	2	48.0	77.2
90150	5	3	46.9	78.9
90150	5	4	46.2	79.7
90150	5	5	45.4	80.9
90150	5	6	45.1	81.2
90150	5	7	47.8	78.0
90150	5	8	51.9	71.5
90150	5	9	56.1	65.0
90150	5	10	59.9	59.3
90150	5	11	63.1	54.8
90150	5	12	65.6	51.8
90150	5	13	67.6	49.6
90150	5	14	68.7	48.3
90150	5	15	69.3	47.8
90150	5	16	69.0	48.0
90150	5	17	68.1	48.7
90150	5	18	66.4	50.5

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	5	19	64.0	50.9
90130	5	20	60.5	55.9
90130	5	21	57.4	61.3
90130	5	22	55.0	65.1
90130	5	23	53.1	68.4
90130	5	24	51.6	71.2
90130	6	1	58.3	76.6
90130	6	2	57.0	78.8
90130	6	3	55.9	80.5
90130	6	4	54.9	82.3
90130	6	5	54.1	83.1
90130	6	6	54.1	83.4
90130	6	7	56.8	80.0
90130	6	8	60.3	74.3
90130	6	9	63.9	68.6
90130	6	10	67.4	63.5
90130	6	11	70.5	58.8
90130	6	12	73.0	55.0
90130	6	13	75.0	52.2
90130	6	14	76.4	50.2
90130	6	15	76.8	49.5
90130	6	16	76.8	49.5
90130	6	17	76.0	50.5
90130	6	18	74.4	52.5
90130	6	19	72.2	55.5
90130	6	20	69.0	60.1
90130	6	21	65.4	65.6
90130	6	22	63.2	69.3
90130	6	23	61.4	71.7
90130	6	24	59.8	74.3
90130	7	1	63.8	79.1
90130	7	2	62.7	80.7
90130	7	3	61.6	82.1
90130	7	4	60.6	83.6
90130	7	5	59.8	84.7
90130	7	6	59.5	85.3
90130	7	7	61.8	81.8
90130	7	8	65.3	76.4

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	5	19	63.5	53.6
90150	5	20	59.9	58.6
90150	5	21	56.5	64.0
90150	5	22	54.2	67.8
90150	5	23	52.4	70.8
90150	5	24	51.0	73.1
90150	6	1	58.1	78.6
90150	6	2	56.9	80.3
90150	6	3	55.8	81.7
90150	6	4	54.9	83.2
90150	6	5	54.2	83.8
90150	6	6	54.3	84.1
90150	6	7	57.2	80.6
90150	6	8	61.0	74.6
90150	6	9	64.9	68.8
90150	6	10	68.3	63.9
90150	6	11	71.3	59.5
90150	6	12	73.8	56.1
90150	6	13	75.6	54.0
90150	6	14	76.9	52.3
90150	6	15	77.2	51.6
90150	6	16	76.9	51.9
90150	6	17	75.9	53.3
90150	6	18	74.4	55.0
90150	6	19	71.9	58.1
90150	6	20	68.4	63.2
90150	6	21	64.9	68.5
90150	6	22	62.7	72.1
90150	6	23	60.9	74.4
90150	6	24	59.5	76.5
90150	7	1	63.8	80.5
90150	7	2	62.6	82.2
90150	7	3	61.6	83.6
90150	7	4	60.7	84.5
90150	7	5	59.9	85.7
90150	7	6	59.8	85.7
90150	7	7	62.3	82.5
90150	7	8	65.9	77.0

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	7	9	68.9	70.7
90130	7	10	72.3	65.0
90130	7	11	75.4	60.5
90130	7	12	78.0	56.3
90130	7	13	79.8	53.6
90130	7	14	81.1	51.6
90130	7	15	81.7	51.0
90130	7	16	81.7	51.0
90130	7	17	81.0	52.0
90130	7	18	79.5	54.2
90130	7	19	77.1	57.8
90130	7	20	74.0	63.0
90130	7	21	70.5	68.9
90130	7	22	68.5	72.5
90130	7	23	66.7	74.9
90130	7	24	65.3	77.0
90130	8	1	62.3	81.0
90130	8	2	61.2	82.7
90130	8	3	60.2	83.8
90130	8	4	59.3	84.7
90130	8	5	58.5	85.6
90130	8	6	57.8	86.5
90130	8	7	58.9	85.0
90130	8	8	62.3	80.4
90130	8	9	66.2	73.8
90130	8	10	69.9	67.4
90130	8	11	73.3	62.0
90130	8	12	75.8	58.3
90130	8	13	77.9	54.9
90130	8	14	79.3	52.8
90130	8	15	80.0	51.8
90130	8	16	79.9	52.2
90130	8	17	78.9	53.3
90130	8	18	77.2	55.8
90130	8	19	74.6	60.2
90130	8	20	70.8	66.5
90130	8	21	68.0	71.4
90130	8	22	66.2	74.3

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	7	9	69.9	70.6
90150	7	10	73.4	64.9
90150	7	11	76.3	60.9
90150	7	12	78.8	57.2
90150	7	13	80.6	54.9
90150	7	14	81.6	53.5
90150	7	15	82.2	52.9
90150	7	16	82.1	53.2
90150	7	17	81.2	54.6
90150	7	18	79.6	56.7
90150	7	19	77.2	60.1
90150	7	20	73.7	65.7
90150	7	21	70.2	71.3
90150	7	22	68.1	75.1
90150	7	23	66.4	77.3
90150	7	24	65.1	79.2
90150	8	1	62.4	82.8
90150	8	2	61.3	84.2
90150	8	3	60.5	85.1
90150	8	4	59.7	85.7
90150	8	5	59.0	86.2
90150	8	6	58.4	86.8
90150	8	7	59.6	85.7
90150	8	8	63.4	80.2
90150	8	9	67.3	73.6
90150	8	10	71.2	67.5
90150	8	11	74.4	62.4
90150	8	12	76.9	58.8
90150	8	13	78.6	56.2
90150	8	14	80.0	54.4
90150	8	15	80.4	53.9
90150	8	16	80.3	54.3
90150	8	17	79.1	55.9
90150	8	18	77.3	58.2
90150	8	19	74.5	62.8
90150	8	20	70.6	69.1
90150	8	21	67.8	73.7
90150	8	22	66.0	76.8

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	8	23	64.6	76.9
90130	8	24	63.4	78.8
90130	9	1	53.6	81.9
90130	9	2	52.6	82.7
90130	9	3	51.5	84.2
90130	9	4	50.6	85.1
90130	9	5	49.9	85.7
90130	9	6	49.3	86.0
90130	9	7	49.1	86.3
90130	9	8	52.6	82.1
90130	9	9	56.7	76.2
90130	9	10	60.9	69.6
90130	9	11	64.6	63.6
90130	9	12	67.8	58.9
90130	9	13	70.0	55.6
90130	9	14	71.4	53.4
90130	9	15	72.3	52.4
90130	9	16	72.0	52.5
90130	9	17	70.9	54.1
90130	9	18	68.5	57.7
90130	9	19	64.6	64.1
90130	9	20	61.1	70.1
90130	9	21	58.8	73.9
90130	9	22	57.1	76.2
90130	9	23	55.6	78.4
90130	9	24	54.4	80.1
90130	10	1	42.7	77.3
90130	10	2	41.7	78.4
90130	10	3	40.6	79.6
90130	10	4	39.8	80.2
90130	10	5	39.1	80.8
90130	10	6	38.4	81.0
90130	10	7	37.8	82.0
90130	10	8	39.7	79.8
90130	10	9	44.2	73.8
90130	10	10	48.9	66.6
90130	10	11	53.2	60.2
90130	10	12	56.6	55.6

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	8	23	64.6	79.2
90150	8	24	63.4	80.8
90150	9	1	54.0	82.8
90150	9	2	53.1	83.4
90150	9	3	52.1	84.9
90150	9	4	51.3	85.5
90150	9	5	50.5	86.1
90150	9	6	49.9	86.7
90150	9	7	49.9	86.4
90150	9	8	53.5	82.5
90150	9	9	58.1	76.0
90150	9	10	62.4	69.2
90150	9	11	66.0	63.6
90150	9	12	68.9	59.2
90150	9	13	70.9	56.5
90150	9	14	72.3	54.5
90150	9	15	72.8	54.0
90150	9	16	72.3	54.5
90150	9	17	71.2	56.2
90150	9	18	68.7	59.8
90150	9	19	64.6	66.2
90150	9	20	61.0	72.2
90150	9	21	58.9	75.8
90150	9	22	57.2	78.3
90150	9	23	55.7	80.2
90150	9	24	54.6	81.3
90150	10	1	42.5	78.5
90150	10	2	41.6	79.4
90150	10	3	40.6	80.2
90150	10	4	39.7	80.8
90150	10	5	39.1	81.4
90150	10	6	38.4	82.0
90150	10	7	38.1	82.0
90150	10	8	40.1	79.9
90150	10	9	45.3	73.7
90150	10	10	50.1	66.5
90150	10	11	54.4	60.2
90150	10	12	57.7	55.9

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	10	13	59.3	52.0
90130	10	14	61.0	49.7
90130	10	15	61.8	48.7
90130	10	16	61.6	48.9
90130	10	17	59.9	50.9
90130	10	18	56.5	55.5
90130	10	19	52.5	61.8
90130	10	20	50.0	66.0
90130	10	21	48.0	69.5
90130	10	22	46.4	71.5
90130	10	23	44.9	73.9
90130	10	24	43.6	75.6
90130	11	1	35.3	70.8
90130	11	2	34.3	71.9
90130	11	3	33.6	72.7
90130	11	4	32.7	73.6
90130	11	5	32.0	74.4
90130	11	6	31.4	74.7
90130	11	7	30.9	75.2
90130	11	8	31.1	74.6
90130	11	9	34.2	71.9
90130	11	10	38.2	67.2
90130	11	11	42.2	61.9
90130	11	12	45.4	57.5
90130	11	13	48.1	54.3
90130	11	14	49.8	52.4
90130	11	15	50.5	51.7
90130	11	16	50.1	51.8
90130	11	17	47.8	54.3
90130	11	18	44.5	57.9
90130	11	19	42.2	61.2
90130	11	20	40.2	63.7
90130	11	21	38.7	65.6
90130	11	22	37.6	67.1
90130	11	23	36.5	68.4
90130	11	24	35.6	69.4
90130	12	1	25.0	68.8
90130	12	2	24.4	69.3

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	10	13	60.2	52.7
90150	10	14	61.6	51.0
90150	10	15	62.3	50.1
90150	10	16	61.8	50.6
90150	10	17	60.0	52.7
90150	10	18	56.2	57.7
90150	10	19	52.1	64.0
90150	10	20	49.6	68.3
90150	10	21	47.6	71.1
90150	10	22	46.0	73.4
90150	10	23	44.5	75.3
90150	10	24	43.4	76.7
90150	11	1	35.3	71.7
90150	11	2	34.3	72.8
90150	11	3	33.4	73.9
90150	11	4	32.8	74.2
90150	11	5	32.0	75.0
90150	11	6	31.5	75.3
90150	11	7	30.9	75.9
90150	11	8	31.1	75.6
90150	11	9	34.5	72.2
90150	11	10	38.9	67.3
90150	11	11	43.3	62.1
90150	11	12	46.5	57.9
90150	11	13	49.0	55.1
90150	11	14	50.5	53.4
90150	11	15	51.1	52.6
90150	11	16	50.5	52.9
90150	11	17	48.1	55.6
90150	11	18	44.4	59.5
90150	11	19	42.1	62.7
90150	11	20	40.0	65.3
90150	11	21	38.5	67.2
90150	11	22	37.4	68.8
90150	11	23	36.4	69.8
90150	11	24	35.5	70.6
90150	12	1	25.0	69.1
90150	12	2	24.4	69.9

Table E-7: MOVES Annual Meteorological Inputs for Tolland County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90130	12	3	23.5	69.8
90130	12	4	23.1	70.3
90130	12	5	22.2	71.2
90130	12	6	21.8	71.1
90130	12	7	21.1	72.0
90130	12	8	21.1	71.4
90130	12	9	22.2	70.9
90130	12	10	26.1	67.4
90130	12	11	30.3	62.9
90130	12	12	33.7	59.0
90130	12	13	36.6	56.2
90130	12	14	38.3	54.6
90130	12	15	39.4	53.4
90130	12	16	39.0	53.6
90130	12	17	36.8	55.5
90130	12	18	33.7	58.7
90130	12	19	31.6	60.7
90130	12	20	29.8	62.6
90130	12	21	28.5	64.0
90130	12	22	27.4	65.3
90130	12	23	26.3	66.6
90130	12	24	25.5	67.3

Table E-8: MOVES Annual Meteorological Inputs for Windham County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90150	12	3	23.7	70.1
90150	12	4	23.0	71.0
90150	12	5	22.3	71.5
90150	12	6	21.9	71.8
90150	12	7	21.4	72.0
90150	12	8	21.2	72.0
90150	12	9	22.5	70.9
90150	12	10	26.6	67.5
90150	12	11	31.1	63.0
90150	12	12	34.7	59.1
90150	12	13	37.4	56.6
90150	12	14	39.2	55.0
90150	12	15	40.1	54.0
90150	12	16	39.4	54.3
90150	12	17	37.2	56.1
90150	12	18	33.8	59.5
90150	12	19	31.5	61.7
90150	12	20	30.0	63.4
90150	12	21	28.6	64.9
90150	12	22	27.5	66.1
90150	12	23	26.4	67.2
90150	12	24	25.5	67.9

Table E-9: MOVES Summer Day Meteorological Inputs for the Connecticut Portion of the NY-NJ-CT Ozone Non-Attainment Area

Zone ID[165]	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	7	1	73.6	79.7
90010	7	2	72.5	80.5
90010	7	3	71.6	80.7
90010	7	4	70.9	82.6
90010	7	5	70.5	83.5
90010	7	6	69.9	81.4
90010	7	7	69.4	77.8
90010	7	8	69.8	73.1
90010	7	9	72.2	68.7
90010	7	10	76.1	65.7
90010	7	11	80.1	60.0
90010	7	12	83.5	55.4
90010	7	13	86.5	54.1
90010	7	14	88.1	54.2
90010	7	15	88.6	55.9
90010	7	16	88.8	57.4
90010	7	17	88.4	58.3
90010	7	18	87.3	61.6
90010	7	19	85.3	65.8
90010	7	20	82.8	72.9
90010	7	21	80.3	74.4
90010	7	22	78.1	76.5
90010	7	23	76.6	79.5
90010	7	24	75.1	80.9

Table E-10: MOVES Summer Day Meteorological Inputs for the Greater Connecticut Ozone Non-Attainment Area

Zone ID[166]	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	7	1	70.8	84.2
90030	7	2	69.2	86.1
90030	7	3	67.9	87.6
90030	7	4	67.0	87.9
90030	7	5	66.3	89.1
90030	7	6	65.5	84.2
90030	7	7	64.8	77.8
90030	7	8	65.4	71.6
90030	7	9	68.8	65.9
90030	7	10	74.3	59.8
90030	7	11	79.9	54.9
90030	7	12	84.7	50.4
90030	7	13	89.0	46.3
90030	7	14	91.3	43.7
90030	7	15	92.1	45.8
90030	7	16	92.3	48.9
90030	7	17	91.7	55.4
90030	7	18	90.1	59.6
90030	7	19	87.4	67.2
90030	7	20	83.8	70.4
90030	7	21	80.3	73.0
90030	7	22	77.2	78.2
90030	7	23	75.0	81.3
90030	7	24	72.8	83.7

[165] Input shown is for Fairfield County (Zone ID 90010), but the input for Middlesex (90050) and New Haven (90090) counties would be identical except for the Zone ID.

[166] Input shown is for Hartford County (Zone ID 90030), but the input for Litchfield (90050), New London (90110), Tolland (90130) and Windham (90150) counties would be identical except for the Zone ID.

Table E-11: MOVES2014b Source Type Population in Connecticut

Source Type ID	Source Type Description	Source Type Population								
		09001 Fairfield	09003 Hartford	09005 Litchfield	09007 Middlesex	09009 New Haven	09011 New London	09013 Tolland	09015 Windham	Statewide Total
11	Motorcycle	17,728	21,633	8,530	6,195	20,441	9,531	6,399	5,913	96,371
21	Passenger Car	361,430	377,862	84,089	74,623	345,558	116,950	61,914	48,251	1,470,676
31	Passenger Truck	285,323	248,184	76,149	60,611	236,783	90,162	51,021	39,294	1,087,526
32	Light Commercial Truck	36,444	34,128	8,151	6,207	26,158	8,205	4,640	4,373	128,305
41	Intercity Bus	351	363	65	31	305	111	30	45	1,300
42	Transit Bus	215	222	40	19	187	68	18	28	797
43	School Bus	1,843	1,783	465	389	1,800	605	285	322	7,492
51	Refuse Truck	77	122	29	22	91	34	21	21	418
52	Single Unit Short-Haul Truck	3,275	4,377	1,234	838	3,504	1,260	634	657	15,779
53	Single Unit Long-Haul Truck	230	306	87	59	247	88	43	46	1,106
54	Motor Home	683	771	155	172	723	294	151	92	3,042
61	Combination Short-Haul Truck	1,198	1,963	460	352	1,444	503	234	353	6,506
62	Combination Long-Haul Truck	1,015	1,531	343	271	1,102	451	248	285	5,247
All Source Types		**708,796**	**691,715**	**179,454**	**149,518**	**637,240**	**227,811**	**125,389**	**99,395**	**2,819,319**

Table E-12: MOVES2014b Age Distribution of Vehicles by Type in Connecticut

yearID	ageID	Source Type ID												
		11	21	31	32	41	42	43	51	52	53	54	61	62
2014	0	0.0204876	0.0244636	0.0396827	0.0605533	0.0350314	0.0350314	0.0784617	0.0647593	0.0649974	0.0648976	0.0649277	0.0480733	0.0474224
2014	1	0.0381512	0.0505103	0.051322	0.0853803	0.03757	0.03757	0.0782036	0.0582717	0.0585566	0.0584557	0.0584453	0.042789	0.0420373
2014	2	0.0399394	0.0490641	0.049283	0.0888372	0.0804692	0.0804693	0.1033682	0.0535066	0.0538364	0.0537525	0.0536731	0.0422516	0.0404427
2014	3	0.029363	0.0445827	0.0597591	0.0784833	0.0438168	0.0438168	0.0885276	0.0289987	0.0305573	0.0206849	0.0399876	0.020905	0.043621
2014	4	0.0271169	0.0502934	0.0510833	0.0485964	0.0477318	0.0477318	0.0984643	0.0229773	0.0188157	0.0130489	0.0353048	0.0156434	0.0344639
2014	5	0.0494254	0.0458617	0.0389265	0.0320796	0.0689463	0.0689463	0.1023358	0.0303165	0.0200499	0.01526	0.0294365	0.0201875	0.0454565
2014	6	0.0507774	0.0564164	0.0608679	0.0605188	0.0711857	0.0711858	0.092399	0.0233591	0.0412574	0.0266588	0.0379278	0.0180836	0.0353038

yearID	ageID	Source Type ID												
		11	21	31	32	41	42	43	51	52	53	54	61	62
2014	7	0.0664021	0.0606474	0.0598226	0.054394	0.0710923	0.0710924	0.0703317	0.0814331	0.0539257	0.0465096	0.0494406	0.0586449	0.1223052
2014	8	0.0657043	0.0559164	0.0629421	0.0620569	0.1623411	0.1623408	0.1072396	0.0606417	0.0565953	0.0412092	0.0503481	0.0429926	0.0904073
2014	9	0.0625313	0.0563068	0.0683948	0.0543359	0.0299907	0.0299907	0.0407795	0.0570491	0.048903	0.0381086	0.0519394	0.0417739	0.0853094
2014	10	0.0502759	0.0547457	0.0723086	0.0557655	0.0434928	0.0434929	0.0384566	0.0341701	0.042782	0.0281144	0.0503057	0.026163	0.0508693
2014	11	0.0600563	0.0548861	0.0577194	0.0488634	0.0736905	0.0736906	0.0301974	0.0333776	0.0367776	0.0238048	0.0463651	0.0232111	0.0494119
2014	12	0.0494145	0.0542978	0.0555826	0.0481961	0.0464184	0.0464183	0.0329075	0.0241431	0.0329335	0.0199654	0.0433333	0.0180086	0.0359034
2014	13	0.0427743	0.052042	0.0466114	0.0404054	0.027424	0.0274241	0.015873	0.0295303	0.0354652	0.0489986	0.0413062	0.0348276	0.0410658
2014	14	0.0350873	0.0524705	0.0434365	0.0376119	0.0065379	0.0065379	0.0090334	0.0402709	0.0577955	0.1206432	0.039197	0.0476297	0.0652631
2014	15	0.0306496	0.0417868	0.0366631	0.0317722	0.00823	0.00823	0.0047748	0.0576764	0.0488854	0.1045674	0.0379843	0.0424991	0.048251
2014	16	0.0231917	0.0351692	0.0296607	0.0209572	0.0259271	0.025927	0.0033553	0.0527176	0.0274797	0.01752	0.0222053	0.0429417	0.0319573
2014	17	0.0195608	0.0299978	0.0253213	0.021423	0.0074229	0.0074228	0.0016776	0.0254243	0.0376941	0.0143619	0.034115	0.0348137	0.0180275
2014	18	0.0181106	0.0216775	0.0172254	0.0124695	0.0142206	0.0142206	0.0009033	0.0327951	0.0250548	0.0160394	0.0209378	0.0480126	0.019367
2014	19	0.0152648	0.0203428	0.0163147	0.0123442	0.034585	0.034585	0.0010324	0.0419944	0.0342991	0.0274054	0.024651	0.0541093	0.0172498
2014	20	0.0121901	0.0142411	0.0123097	0.0090199	0.0070455	0.0070455	0.000129	0.0293133	0.0259414	0.0224274	0.0232975	0.04455	0.0102979
2014	21	0.0113614	0.0112845	0.0073218	0.0060141	0.0046225	0.0046226	0.0003871	0.0133183	0.0180242	0.0622256	0.0159976	0.032256	0.0069499
2014	22	0.0085265	0.008666	0.0045003	0.0038216	0.0070874	0.0070874	0.0006452	0.0118551	0.0142947	0.0109546	0.0139888	0.0245711	0.0041457
2014	23	0.007458	0.0064695	0.0034433	0.0024679	0.0008964	0.0008964	0.000129	0.0184498	0.0128695	0.016941	0.0103463	0.0227013	0.0031642
2014	24	0.0072399	0.0055549	0.0034366	0.0025768	0.0043982	0.0043982	0.0002581	0.0130613	0.0174482	0.0104226	0.0135223	0.028116	0.0024591
2014	25	0.0075234	0.0047315	0.0043427	0.0037537	0.0115479	0.0115479	0	0.0201229	0.0167328	0.0422446	0.0174128	0.0283768	0.0024562
2014	26	0.0074253	0.0038491	0.004195	0.0038985	0.0073118	0.0073118	0	0.0115151	0.0147884	0.0133849	0.0153552	0.0261075	0.0015064
2014	27	0.0089845	0.0039017	0.0031874	0.0024439	0.0081182	0.0081182	0	0.0103038	0.0134294	0.0047914	0.0149652	0.0204973	0.0025478
2014	28	0.0115904	0.0029605	0.0025677	0.0024292	0.0027925	0.0027925	0	0.0052684	0.0120353	0.0049797	0.0109984	0.0141648	0.0006759
2014	29	0.0109253	0.0022492	0.0018786	0.0017293	0.0026365	0.0026365	0	0.0052632	0.0102321	0.0043061	0.0116092	0.0143383	0.0006923
2014	30	0.112491	0.024613	0.009889	0.00680119	0.007419	0.007419	0.000129	0.0081136	0.0175428	0.007315	0.020675	0.0207597	0.0009689
Total	**Total**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

Table E-13: HPMS RURAL TRAVEL ACTIVITY PERCENTAGES BY VEHICLE TYPE AND FUNCTIONAL SYSTEM CONNECTICUT-2010

VEHICLE TYPE	HPMS Road Class: Rural						
	11 Interstate	12 Other Freeway & Expressway	13 Other Principal Arterial	15 Minor Arterial	17 Major Collector	19 Minor Collector	21 Local
Motorcycle	0%	0%	2.19%	2.28%	0.93%	0.27%	0.75%
Passenger Car	74.29%	79.47%	75.35%	75.41%	80.51%	83.80%	78.62%
Light Truck	13.61%	14.11%	15.72%	17.84%	16.50%	12.74%	18.61%
Buses	0.25%	0.10%	0.11%	0.01%	0.03%	0%	0.02%
2-Axle, 6-Tire Single Trucks	2.72%	3.21%	1.01%	1.18%	1.17%	1.04%	1.43%
3-Axle Single Trucks	0.74%	0.60%	1.80%	1.22%	0.38%	0.78%	0.42%
4 Or More Axle Single Trucks	0.17%	0.23%	0.52%	0.27%	0.06%	0.62%	0.07%
4 Or Less Axle Trailer Trucks	1.09%	0.42%	0.91%	0.67%	0.17%	0.48%	0.06%
5-Axle Trailer Trucks	6.94%	1.86%	1.38%	1.06%	0.25%	0.18%	0.03%
6 Or More Axle Trailer Trucks	0.15%	0.03%	0.67%	0.05%	0.01%	0.09%	0%
5 Or Less Axle Tandem Trucks	0.03%	0%	0.27%	0%	0%	0%	0%
6-Axle Tandem Trucks	0.01%	0%	0.07%	0%	0%	0%	0%
7 Or More Tandem Trucks	0%	0%	0%	0%	0%	0%	0%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

* NOTE: Rural Minor Collector mixes no longer tabulated for HPMS; the mixes shown are from 1999 HPMS.

Table E-14: HPMS URBAN TRAVEL ACTIVITY PERCENTAGES BY VEHICLE TYPE AND FUNCTIONAL SYSTEM CONNECTICUT-2010

VEHICLE TYPE	HPMS Road Class: Urban						
	23 Interstate	25 Other Freeway & Expressway	27 Other Principal Arterial	29 Minor Arterial	30 Major Collector	31 Minor Collector	33 Local
Motorcycle	0.05%	0.11%	0.71%	0.67%	0.63%	0.67%	1.55%
Passenger Car	78.68%	82.48%	79.48%	83.01%	81.98%	82.08%	80.57%
Light Truck	12.14%	12.83%	16.17%	14.45%	15.33%	13.84%	14.87%
Buses	0.23%	0.09%	0.09%	0.10%	0.01%	0%	0.01%
2-Axle, 6-Tire Single Trucks	2.32%	2.08%	1.49%	1.08%	1.04%	2.31%	1.23%
3-Axle Single Trucks	0.52%	0.46%	0.64%	0.30%	0.58%	0.27%	0.91%
4 Or More Axle Single Trucks	0.14%	0.18%	0.17%	0.08%	0.07%	0.04%	0.48%
4 Or Less Axle Trailer Trucks	0.75%	0.38%	0.37%	0.13%	0.17%	0.21%	0.15%
5-Axle Trailer Trucks	4.88%	1.34%	0.73%	0.19%	0.17%	0.44%	0.18%
6 Or More Axle Trailer Trucks	0.06%	0.03%	0.03%	0.01%	0.02%	0.14%	0.04%
5 Or Less Axle Tandem Trucks	0.18%	0.02%	0.10%	0%	0%	0%	0%
6-Axle Tandem Trucks	0.06%	0.01%	0%	0%	0%	0%	0%
7 Or More Tandem Trucks	0%	0%	0%	0%	0%	0%	0%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

Table E-15: MOVES Converter Input for 2014 Fraction of VMT on HPMS Road Type by MOBILE6.2 16 Vehicle Type

Vehicle Type	HPMS Road Type													
	11	12	13	15	17	19	21	23	25	27	29	30	31	33
1	0.4793	0.5103	0.4966	0.5085	0.5290	0.5264	0.5302	0.4952	0.5197	0.5215	0.5314	0.5307	0.5230	0.5204
2	0.0677	0.0721	0.0702	0.0718	0.0747	0.0744	0.0749	0.0700	0.0734	0.0737	0.0751	0.0750	0.0739	0.0735
3	0.2253	0.2398	0.2334	0.2390	0.2486	0.2474	0.2492	0.2328	0.2443	0.2451	0.2498	0.2494	0.2458	0.2446
4	0.0731	0.0778	0.0757	0.0775	0.0806	0.0802	0.0808	0.0755	0.0792	0.0795	0.0810	0.0809	0.0797	0.0793
5	0.0336	0.0358	0.0348	0.0357	0.0371	0.0369	0.0372	0.0348	0.0365	0.0366	0.0373	0.0372	0.0367	0.0365
6	0.0370	0.0196	0.0206	0.0137	0.0063	0.0098	0.0062	0.0279	0.0140	0.0111	0.0057	0.0063	0.0104	0.0092
7	0.0105	0.0056	0.0058	0.0039	0.0018	0.0028	0.0018	0.0079	0.0040	0.0031	0.0016	0.0018	0.0030	0.0026
8	0.0052	0.0028	0.0029	0.0019	0.0009	0.0014	0.0009	0.0039	0.0020	0.0016	0.0008	0.0009	0.0015	0.0013
9	0.0025	0.0013	0.0014	0.0009	0.0004	0.0007	0.0004	0.0019	0.0009	0.0007	0.0004	0.0004	0.0007	0.0006
10	0.0078	0.0042	0.0044	0.0029	0.0013	0.0021	0.0013	0.0059	0.0030	0.0024	0.0012	0.0013	0.0022	0.0019
11	0.0093	0.0049	0.0052	0.0034	0.0016	0.0024	0.0016	0.0070	0.0035	0.0028	0.0014	0.0016	0.0026	0.0023
12	0.0101	0.0054	0.0056	0.0037	0.0017	0.0027	0.0017	0.0076	0.0038	0.0030	0.0016	0.0017	0.0028	0.0025
13	0.0359	0.0191	0.0200	0.0133	0.0061	0.0095	0.0060	0.0271	0.0136	0.0108	0.0056	0.0061	0.0101	0.0089
14	0.0018	0.0010	0.0010	0.0007	0.0003	0.0005	0.0003	0.0014	0.0007	0.0005	0.0003	0.0003	0.0005	0.0004
15	0.0009	0.0005	0.0005	0.0003	0.0002	0.0002	0.0002	0.0007	0.0003	0.0003	0.0001	0.0002	0.0003	0.0002
16	0	0	0.0219	0.0228	0.0093	0.0027	0.0075	0.0005	0.0011	0.0071	0.0067	0.0063	0.0067	0.0155
Total	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Table E-16: CT MOBILE6 Hour Input File

MOBILE6.2 Input File

VMT BY HOUR

* CTHVMT.def ... March 2010

* Based on Connecticut ATR Counts (April & October 2009)

* Fraction of all vehicle miles traveled by hour of the day.

* First hour is 6 a.m.

0.0439 0.0677 0.0662 0.0537 0.0500 0.0524

0.0556 0.0569 0.0641 0.0747 0.0791 0.0786

0.0606 0.0443 0.0352 0.0287 0.0218 0.0160

0.0094 0.0060 0.0045 0.0047 0.0073 0.0184

Table E-17: Average 2014 Daily HPMS VMT (miles per day) for the 14 2010+ FHWA HPMS Road Types

HPMS Road Type	Area Type	HPMS Road Type Description	Average 2014 Weekday Daily HPMS Road Type VMT [miles/day]							
			09001	09003	09005	09007	09009	09011	09013	09015
11	Rural	Interstate / Principal Arterial	0	0	0	0	250,543	92,078	843,340	432,007
12	Rural	Other Freeways and Expressways	0	215,993	224,633	224,633	0	186,308	24,897	16,067
13	Rural	Other Principal Arterial	69,310	63,034	338,334	338,334	67,315	344,973	236,281	105,310
15	Rural	Minor Arterial	109,494	226,079	383,620	383,620	174,833	221,730	239,917	315,169
17	Rural	Major Collector	400,110	278,907	571,102	571,102	182,886	564,772	353,809	573,997
19	Rural	Minor Collector	70,731	107,819	152,365	152,365	33,948	106,719	131,944	164,886
21	Rural	Local	64,802	84,869	303,984	303,984	66,058	122,285	126,665	115,240
23	Urban	Interstate	5,946,632	7,459,790	0	0	6,824,408	2,730,878	545,910	285,261
25	Urban	Other Freeways and Expressways	3,688,021	2,222,198	347,698	347,698	3,172,624	458,556	43,786	16,287
27	Urban	Other Principal Arterial	2,020,850	2,652,806	555,052	555,052	2,464,663	624,585	447,798	215,653
29	Urban	Minor Arterial	4,009,707	4,359,998	349,721	349,721	3,896,900	1,247,283	445,412	267,714
30	Urban	Major Collector	1,631,669	2,102,720	383,227	383,227	1,541,317	726,789	505,020	203,546
31	Urban	Minor Collector	37,081	39,522	9,150	9,150	33,827	20,481	9,331	4,405
33	Urban	Local	1,721,553	1,710,216	261,184	261,184	1,357,700	466,346	268,502	111,903
Total of All HPMS Road Types			**19,769,960**	**21,523,951**	**3,880,070**	**3,880,070**	**20,067,022**	**7,913,783**	**4,222,612**	**2,827,445**

The above HPMS VMT has an average annual statewide daily total of 84,084,913 miles per day.

Note 1: Road Type 12 and 30 were added with the associated road descriptions and mappings were added; and the associative meaning of road types 13 and 31 were modified from what is established in NMIM and the Source Classification definitions. These additions and modified meanings are totally contained within the converter and should not be applied to any Road Type definitions other than the updated converter. Do not use the modified or added identifiers or the associated meaning provided in the table below for anything other than understanding the mapping of 2010+ FHWA HPMS Road Types to MOVES Road Types within the updated converter.

Table E-18: 2014 HPMSBaseYearVMT Annual Vehicle Miles Traveled (VMT)

Source Type ID	Source Type Description	HPMSBaseYearVMT [miles/year]							
		09001 Fairfield	09003 Hartford	09005 Litchfield	09007 Middlesex	09009 New Haven	09011 New London	09013 Tolland	09015 Windham
11	Motorcycle	32,771,042	36,428,804	12,992,874	8,053,774	31,148,563	15,892,272	10,122,274	7,856,005
21	Passenger Car	3,296,230,141	3,902,997,202	609,741,217	815,595,910	3,604,158,238	1,351,184,598	694,738,712	463,868,912
31	Passenger Truck	2,967,702,607	2,923,674,495	629,734,881	755,517,578	2,816,582,239	1,188,030,348	652,936,201	430,832,435
32	Light Commercial Truck	396,290,440	420,316,147	70,468,058	80,892,064	325,297,628	113,022,855	62,080,197	50,129,760
41	Intercity Bus	3,484,902	4,049,371	426,363	587,816	3,615,223	1,486,527	648,022	444,084
42	Transit Bus	1,232,943	1,432,652	150,844	207,963	1,279,045	525,922	229,258	157,117
43	School Bus	3,039,375	3,304,988	510,134	1,209,813	3,541,419	1,345,352	1,037,354	525,708
51	Refuse Truck	1,457,520	1,963,559	209,788	422,027	1,749,625	720,665	493,238	293,826
52	Single Unit Short-Haul Truck	38,725,938	43,792,851	5,484,458	9,980,993	41,973,475	16,629,589	9,419,891	5,610,551
53	Single Unit Long-Haul Truck	3,548,444	3,997,388	502,548	909,459	3,851,184	1,520,299	842,272	507,021
54	Motor Home	1,223,362	1,169,408	104,653	310,491	1,312,914	588,850	340,447	119,361
61	Combination Short-Haul Truck	35,846,044	43,104,168	5,506,246	9,931,983	42,010,631	14,875,796	7,481,385	5,383,872
62	Combination Long-Haul Truck	94,668,547	104,736,604	12,788,178	23,811,970	99,919,129	41,618,945	24,732,181	13,576,288
All Source Types		**6,876,221,304**	**7,490,967,638**	**1,348,620,243**	**1,707,431,842**	**6,976,439,313**	**2,747,442,016**	**1,465,101,431**	**979,304,940**

The 2014 statewide total VMT estimate has a sum total of 29,591,528,726 miles per year.

Table E-19: 2014 Summer Weekday Vehicle Miles Traveled (VMT)

Source Type ID	Source Type Description	Daily Vehicle Miles Traveled [miles/summer weekday]							
		09001 Fairfield	09003 Hartford	09005 Litchfield	09007 Middlesex	09009 New Haven	09011 New London	09013 Tolland	09015 Windham
11	Motorcycle	102,455	113,887	40,948	25,229	97,376	49,830	31,821	24,783
21	Passenger Car	10,305,324	12,201,930	1,921,636	2,554,899	11,267,286	4,236,646	2,184,024	1,463,351
31	Passenger Truck	9,278,206	9,140,272	1,984,648	2,366,700	8,805,179	3,725,078	2,052,609	1,359,132
32	Light Commercial Truck	1,238,960	1,314,033	222,084	253,399	1,016,944	354,384	195,159	158,143
41	Intercity Bus	10,895	12,660	1,344	1,841	11,302	4,661	2,037	1,401
42	Transit Bus	3,855	4,479	475	651	3,999	1,649	721	496
43	School Bus	9,502	10,332	1,608	3,790	11,071	4,218	3,261	1,658
51	Refuse Truck	4,557	6,139	661	1,322	5,470	2,260	1,551	927
52	Single Unit Short-Haul Truck	121,073	136,910	17,285	31,266	131,217	52,142	29,613	17,699
53	Single Unit Long-Haul Truck	11,094	12,497	1,584	2,849	12,040	4,767	2,648	1,599
54	Motor Home	3,825	3,656	330	973	4,104	1,846	1,070	377
61	Combination Short-Haul Truck	112,069	134,757	17,353	31,112	131,333	46,643	23,519	16,984
62	Combination Long-Haul Truck	295,971	327,438	40,303	74,592	312,366	130,496	77,750	42,829
All Source Types		**21,497,786**	**23,418,989**	**4,250,258**	**5,348,624**	**21,809,688**	**8,614,621**	**4,605,783**	**3,089,379**

The above 2014 summer day VMT has a statewide sum total of 92,635,129 miles per summer weekday.

Appendix F On-Road Mobile Sources

This page was intentionally left blank.

Table F-1: Annual 2014 Onroad Emissions by SCC for Fairfield County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	109.509	27.091	581.478	1.934	1.057	0.262	1.231
22-01-21-0080	Gas	Passenger Car	2,071.727	2,089.855	18,168.029	178.304	72.655	26.140	119.634
22-01-31-0080	Gas	Passenger Truck	1,892.882	2,915.217	23,212.088	164.375	64.211	31.072	101.785
22-01-32-0080	Gas	Light Commercial Truck	213.235	337.807	2,771.216	19.978	7.312	3.852	11.907
22-01-42-0080	Gas	Transit Bus	0.030	0.069	1.182	0.003	0.001	0.001	0.001
22-01-43-0080	Gas	School Bus	0.099	0.132	5.262	0.005	0.002	0.001	0.001
22-01-51-0080	Gas	Refuse Truck	0.104	0.301	2.891	0.012	0.009	0.001	0.002
22-01-52-0080	Gas	Single Unit Short-Haul Truck	18.014	43.196	412.810	1.657	0.762	0.256	0.502
22-01-53-0080	Gas	Single Unit Long-Haul Truck	1.085	2.310	20.026	0.088	0.054	0.008	0.016
22-01-54-0080	Gas	Motor Home	2.167	4.007	43.828	0.152	0.087	0.017	0.032
22-01-61-0080	Gas	Combination Short-Haul Truck	0.044	0.092	1.174	0.004	0.003	0	0
22-02-21-0080	Diesel	Passenger Car	11.666	13.998	148.986	1.002	0.383	0.069	0.156
22-02-31-0080	Diesel	Passenger Truck	32.974	120.752	261.577	7.521	5.267	0.345	1.218
22-02-32-0080	Diesel	Light Commercial Truck	12.331	45.205	88.399	3.087	2.191	0.130	0.455
22-02-41-0080	Diesel	Intercity Bus	2.119	37.837	10.947	2.207	1.673	0.056	0.091
22-02-42-0080	Diesel	Transit Bus	0.709	8.916	5.007	0.352	0.239	0.014	0.024
22-02-43-0080	Diesel	School Bus	2.112	9.549	24.834	0.788	0.491	0.030	0.068
22-02-51-0080	Diesel	Refuse Truck	0.665	13.184	3.712	0.789	0.569	0.022	0.038
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	16.566	125.005	61.455	10.375	7.387	0.244	0.674
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	1.752	12.582	6.160	1.144	0.779	0.027	0.080
22-02-54-0080	Diesel	Motor Home	0.364	2.733	1.212	0.207	0.160	0.005	0.012
22-02-61-0080	Diesel	Combination Short-Haul Truck	17.168	351.887	92.748	19.846	14.475	0.582	0.964
22-02-62-0080	Diesel	Combination Long-Haul Truck	122.215	1,334.350	397.796	60.000	44.496	1.757	3.746
22-03-42-0080	CNG	Transit Bus	0.082	0.789	1.386	0.024	0.008	0.001	0.007
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Fairfield County Total for On-Road Mobile Sources			**4,529.619**	**7,496.864**	**46,324.203**	**473.854**	**224.271**	**64.892**	**242.644**

Table F-2: Annual 2014 Onroad Emissions by SCC for Hartford County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	125.216	30.883	653.271	2.109	1.186	0.290	1.363
22-01-21-0080	Gas	Passenger Car	2,247.626	2,381.235	20,672.538	205.390	86.707	30.311	140.681
22-01-31-0080	Gas	Passenger Truck	1,715.874	2,803.896	21,951.792	157.180	63.783	30.061	99.700
22-01-32-0080	Gas	Light Commercial Truck	207.872	348.736	2,807.429	20.439	7.767	4.008	12.551
22-01-42-0080	Gas	Transit Bus	0.032	0.079	1.262	0.004	0.002	0.001	0.001
22-01-43-0080	Gas	School Bus	0.098	0.137	5.143	0.005	0.002	0.001	0.001
22-01-51-0080	Gas	Refuse Truck	0.148	0.415	4.104	0.018	0.014	0.002	0.002
22-01-52-0080	Gas	Single Unit Short-Haul Truck	22.508	50.936	513.829	1.981	1.033	0.290	0.557
22-01-53-0080	Gas	Single Unit Long-Haul Truck	1.347	2.714	24.735	0.115	0.078	0.009	0.018
22-01-54-0080	Gas	Motor Home	2.290	3.982	46.286	0.160	0.100	0.016	0.030
22-01-61-0080	Gas	Combination Short-Haul Truck	0.061	0.116	1.545	0.005	0.004	0	0
22-02-21-0080	Diesel	Passenger Car	12.770	16.013	168.998	1.133	0.441	0.080	0.183
22-02-31-0080	Diesel	Passenger Truck	30.464	115.930	246.715	7.130	5.023	0.334	1.191
22-02-32-0080	Diesel	Light Commercial Truck	12.273	46.527	89.873	3.146	2.246	0.136	0.479
22-02-41-0080	Diesel	Intercity Bus	2.341	44.107	12.109	2.442	1.881	0.065	0.104
22-02-42-0080	Diesel	Transit Bus	0.782	10.364	5.437	0.390	0.270	0.016	0.027
22-02-43-0080	Diesel	School Bus	2.160	10.363	24.299	0.805	0.509	0.032	0.072
22-02-51-0080	Diesel	Refuse Truck	0.874	17.854	5.025	1.011	0.744	0.030	0.051
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	18.501	141.275	70.220	11.129	8.047	0.275	0.748
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	1.920	14.153	6.924	1.221	0.846	0.030	0.088
22-02-54-0080	Diesel	Motor Home	0.339	2.650	1.165	0.188	0.147	0.004	0.011
22-02-61-0080	Diesel	Combination Short-Haul Truck	20.338	425.048	113.209	22.653	16.873	0.699	1.146
22-02-62-0080	Diesel	Combination Long-Haul Truck	135.860	1,490.270	441.381	63.342	47.950	1.942	4.150
22-03-42-0080	CNG	Transit Bus	0.093	0.915	1.561	0.026	0.009	0.001	0.007
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Hartford County Total for On-Road Mobile Sources			**4,561.787**	**7,958.598**	**47,868.850**	**502.022**	**245.662**	**68.633**	**263.161**

Table F-3: Annual 2014 Onroad Emissions by SCC for Litchfield County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	44.388	12.618	248.374	0.675	0.425	0.105	0.542
22-01-21-0080	Gas	Passenger Car	483.153	422.291	3,828.288	32.979	15.237	4.718	21.287
22-01-31-0080	Gas	Passenger Truck	493.308	658.703	5,356.650	34.317	15.052	6.418	20.885
22-01-32-0080	Gas	Light Commercial Truck	46.903	64.474	545.714	3.526	1.456	0.670	2.048
22-01-42-0080	Gas	Transit Bus	0.005	0.008	0.197	0	0	0	0
22-01-43-0080	Gas	School Bus	0.025	0.025	1.302	0.001	0	0	0
22-01-51-0080	Gas	Refuse Truck	0.027	0.050	0.634	0.002	0.001	0	0
22-01-52-0080	Gas	Single Unit Short-Haul Truck	5.373	7.753	109.878	0.274	0.136	0.037	0.070
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.316	0.404	4.936	0.013	0.008	0.001	0.002
22-01-54-0080	Gas	Motor Home	0.380	0.397	6.575	0.013	0.008	0.001	0.003
22-01-61-0080	Gas	Combination Short-Haul Truck	0.012	0.016	0.248	0.001	0.001	0	0
22-02-21-0080	Diesel	Passenger Car	2.520	2.756	28.133	0.173	0.071	0.012	0.028
22-02-31-0080	Diesel	Passenger Truck	7.666	25.159	55.446	1.487	1.053	0.071	0.252
22-02-32-0080	Diesel	Light Commercial Truck	2.412	7.887	15.658	0.515	0.368	0.022	0.079
22-02-41-0080	Diesel	Intercity Bus	0.284	4.582	1.510	0.287	0.215	0.007	0.011
22-02-42-0080	Diesel	Transit Bus	0.094	0.963	0.710	0.047	0.030	0.002	0.002
22-02-43-0080	Diesel	School Bus	0.486	1.436	5.913	0.138	0.080	0.005	0.009
22-02-51-0080	Diesel	Refuse Truck	0.111	1.898	0.686	0.124	0.088	0.003	0.005
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	3.050	18.463	12.023	1.537	1.086	0.035	0.094
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.296	1.832	1.120	0.169	0.114	0.004	0.011
22-02-54-0080	Diesel	Motor Home	0.038	0.239	0.140	0.018	0.014	0	0.001
22-02-61-0080	Diesel	Combination Short-Haul Truck	3.006	53.975	16.985	3.306	2.385	0.089	0.146
22-02-62-0080	Diesel	Combination Long-Haul Truck	9.892	144.490	41.261	8.226	5.931	0.224	0.399
22-03-42-0080	CNG	Transit Bus	0.011	0.080	0.184	0.003	0.001	0	0.001
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Litchfield County Total for On-Road Mobile Sources			**1,103.756**	**1,430.499**	**10,282.565**	**87.831**	**43.760**	**12.424**	**45.875**

Table F-4: Annual 2014 Onroad Emissions by SCC for Middlesex County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	31.204	7.375	151.948	0.431	0.257	0.065	0.322
22-01-21-0080	Gas	Passenger Car	433.890	481.890	4,011.026	36.593	16.219	6.098	29.341
22-01-31-0080	Gas	Passenger Truck	411.242	712.557	5,344.668	34.422	14.711	7.530	25.920
22-01-32-0080	Gas	Light Commercial Truck	37.006	65.892	509.367	3.333	1.334	0.748	2.428
22-01-42-0080	Gas	Transit Bus	0.003	0.011	0.129	0.000	0.000	0.000	0.000
22-01-43-0080	Gas	School Bus	0.022	0.041	1.170	0.002	0.001	0.000	0.000
22-01-51-0080	Gas	Refuse Truck	0.028	0.086	0.809	0.003	0.003	0.000	0.001
22-01-52-0080	Gas	Single Unit Short-Haul Truck	4.372	11.022	102.966	0.379	0.193	0.063	0.127
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.262	0.588	4.975	0.021	0.014	0.002	0.004
22-01-54-0080	Gas	Motor Home	0.520	1.013	10.911	0.036	0.022	0.004	0.008
22-01-61-0080	Gas	Combination Short-Haul Truck	0.012	0.026	0.325	0.001	0.001	0.000	0.000
22-02-21-0080	Diesel	Passenger Car	2.491	3.272	33.295	0.206	0.087	0.016	0.039
22-02-31-0080	Diesel	Passenger Truck	7.353	28.427	60.070	1.691	1.231	0.084	0.313
22-02-32-0080	Diesel	Light Commercial Truck	2.208	8.460	16.290	0.555	0.408	0.025	0.094
22-02-41-0080	Diesel	Intercity Bus	0.315	6.255	1.574	0.326	0.257	0.009	0.015
22-02-42-0080	Diesel	Transit Bus	0.101	1.481	0.649	0.053	0.037	0.002	0.004
22-02-43-0080	Diesel	School Bus	0.594	3.684	5.828	0.274	0.177	0.011	0.026
22-02-51-0080	Diesel	Refuse Truck	0.178	3.736	1.019	0.198	0.149	0.006	0.011
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	3.918	30.256	14.929	2.353	1.735	0.059	0.170
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.410	3.013	1.483	0.257	0.182	0.006	0.020
22-02-54-0080	Diesel	Motor Home	0.084	0.664	0.289	0.047	0.037	0.001	0.003
22-02-61-0080	Diesel	Combination Short-Haul Truck	4.416	95.892	24.491	4.776	3.645	0.158	0.265
22-02-62-0080	Diesel	Combination Long-Haul Truck	31.931	341.598	101.310	13.389	10.403	0.436	0.967
22-03-42-0080	CNG	Transit Bus	0.012	0.132	0.202	0.003	0.001	0.000	0.001
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Middlesex County Total for On-Road Mobile Sources			**972.573**	**1,807.371**	**10,399.723**	**99.348**	**51.103**	**15.326**	**60.079**

Table F-5: Annual 2014 Onroad Emissions by SCC for New Haven County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	114.658	26.475	573.038	1.856	1.028	0.253	1.185
22-01-21-0080	Gas	Passenger Car	2,046.405	2,187.444	18,738.497	187.935	77.912	28.190	131.508
22-01-31-0080	Gas	Passenger Truck	1,633.371	2,689.687	20,828.046	149.955	59.651	29.176	97.304
22-01-32-0080	Gas	Light Commercial Truck	158.893	268.933	2,141.282	15.693	5.850	3.125	9.843
22-01-42-0080	Gas	Transit Bus	0.028	0.070	1.079	0.003	0.001	0.001	0.001
22-01-43-0080	Gas	School Bus	0.099	0.144	5.206	0.005	0.002	0.001	0.001
22-01-51-0080	Gas	Refuse Truck	0.120	0.362	3.419	0.015	0.011	0.002	0.002
22-01-52-0080	Gas	Single Unit Short-Haul Truck	18.995	46.877	440.614	1.764	0.848	0.273	0.541
22-01-53-0080	Gas	Single Unit Long-Haul Truck	1.147	2.514	21.452	0.096	0.061	0.009	0.018
22-01-54-0080	Gas	Motor Home	2.261	4.326	46.684	0.163	0.097	0.018	0.034
22-01-61-0080	Gas	Combination Short-Haul Truck	0.051	0.109	1.380	0.005	0.004	0	0
22-02-21-0080	Diesel	Passenger Car	11.738	14.756	154.518	1.047	0.404	0.074	0.172
22-02-31-0080	Diesel	Passenger Truck	29.487	112.277	236.476	6.976	4.930	0.324	1.167
22-02-32-0080	Diesel	Light Commercial Truck	9.547	36.266	69.231	2.471	1.769	0.106	0.377
22-02-41-0080	Diesel	Intercity Bus	2.115	39.357	10.776	2.194	1.680	0.058	0.094
22-02-42-0080	Diesel	Transit Bus	0.703	9.326	4.793	0.350	0.242	0.015	0.025
22-02-43-0080	Diesel	School Bus	2.260	11.137	24.853	0.878	0.555	0.034	0.079
22-02-51-0080	Diesel	Refuse Truck	0.780	15.852	4.366	0.900	0.658	0.027	0.046
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	17.517	133.569	65.072	10.802	7.765	0.259	0.727
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	1.849	13.441	6.527	1.192	0.821	0.028	0.086
22-02-54-0080	Diesel	Motor Home	0.379	2.920	1.270	0.214	0.167	0.005	0.012
22-02-61-0080	Diesel	Combination Short-Haul Truck	19.719	414.078	107.108	22.201	16.401	0.679	1.130
22-02-62-0080	Diesel	Combination Long-Haul Truck	135.011	1,448.624	430.785	61.170	46.028	1.858	4.061
22-03-42-0080	CNG	Transit Bus	0.082	0.823	1.371	0.023	0.008	0.001	0.007
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
New Haven County Total for On-Road Mobile Sources			**4,207.215**	**7,479.367**	**43,917.843**	**467.908**	**226.893**	**64.516**	**248.420**

Table F-6: Annual 2014 Onroad Emissions by SCC for New London County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	53.170	14.327	289.423	0.845	0.496	0.127	0.630
22-01-21-0080	Gas	Passenger Car	687.796	778.089	6,340.957	61.936	25.814	10.117	48.345
22-01-31-0080	Gas	Passenger Truck	621.273	1,090.124	8,006.581	55.314	22.081	11.842	40.452
22-01-32-0080	Gas	Light Commercial Truck	49.697	89.880	681.152	4.788	1.798	1.046	3.375
22-01-42-0080	Gas	Transit Bus	0.010	0.027	0.403	0.001	0	0	0
22-01-43-0080	Gas	School Bus	0.033	0.050	1.756	0.002	0.001	0	0
22-01-51-0080	Gas	Refuse Truck	0.045	0.145	1.344	0.005	0.004	0.001	0.001
22-01-52-0080	Gas	Single Unit Short-Haul Truck	6.778	17.776	160.596	0.583	0.265	0.103	0.211
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.408	0.950	7.767	0.029	0.018	0.003	0.007
22-01-54-0080	Gas	Motor Home	0.917	1.866	19.325	0.060	0.034	0.008	0.015
22-01-61-0080	Gas	Combination Short-Haul Truck	0.018	0.038	0.481	0.002	0.001	0	0
22-02-21-0080	Diesel	Passenger Car	4.010	5.304	53.507	0.352	0.141	0.027	0.064
22-02-31-0080	Diesel	Passenger Truck	11.470	44.778	91.969	2.728	1.958	0.132	0.489
22-02-32-0080	Diesel	Light Commercial Truck	3.064	11.858	22.246	0.796	0.578	0.035	0.130
22-02-41-0080	Diesel	Intercity Bus	0.827	15.878	4.229	0.844	0.658	0.023	0.038
22-02-42-0080	Diesel	Transit Bus	0.269	3.695	1.830	0.136	0.095	0.006	0.010
22-02-43-0080	Diesel	School Bus	0.770	4.035	8.461	0.313	0.200	0.012	0.029
22-02-51-0080	Diesel	Refuse Truck	0.307	6.401	1.730	0.345	0.257	0.011	0.019
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	6.557	50.005	24.579	3.991	2.915	0.097	0.284
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.694	4.985	2.465	0.438	0.307	0.010	0.033
22-02-54-0080	Diesel	Motor Home	0.161	1.244	0.544	0.091	0.071	0.002	0.005
22-02-61-0080	Diesel	Combination Short-Haul Truck	6.707	144.447	36.907	7.337	5.544	0.237	0.398
22-02-62-0080	Diesel	Combination Long-Haul Truck	52.075	578.427	169.384	23.676	18.176	0.757	1.637
22-03-42-0080	CNG	Transit Bus	0.032	0.326	0.535	0.009	0.003	0.001	0.003
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
New London County Total for On-Road Mobile Sources			**1,507.088**	**2,864.655**	**15,928.171**	**164.621**	**81.415**	**24.597**	**96.175**

Table F-7: Annual 2014 Onroad Emissions by SCC for Tolland County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	34.554	9.266	186.807	0.542	0.323	0.081	0.399
22-01-21-0080	Gas	Passenger Car	372.989	404.323	3,347.953	33.496	14.026	5.204	24.536
22-01-31-0080	Gas	Passenger Truck	357.196	599.997	4,427.880	31.808	12.680	6.495	21.925
22-01-32-0080	Gas	Light Commercial Truck	28.640	49.629	378.652	2.752	1.037	0.574	1.832
22-01-42-0080	Gas	Transit Bus	0.003	0.011	0.128	0.001	0	0	0
22-01-43-0080	Gas	School Bus	0.017	0.032	0.868	0.001	0	0	0
22-01-51-0080	Gas	Refuse Truck	0.029	0.099	0.892	0.003	0.003	0	0.001
22-01-52-0080	Gas	Single Unit Short-Haul Truck	3.515	9.810	84.969	0.312	0.132	0.057	0.119
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.208	0.513	4.018	0.014	0.008	0.002	0.004
22-01-54-0080	Gas	Motor Home	0.487	1.054	10.401	0.032	0.017	0.004	0.009
22-01-61-0080	Gas	Combination Short-Haul Truck	0.008	0.019	0.238	0.001	0.001	0	0
22-02-21-0080	Diesel	Passenger Car	2.125	2.738	27.389	0.186	0.072	0.014	0.032
22-02-31-0080	Diesel	Passenger Truck	6.459	24.747	50.162	1.513	1.074	0.072	0.265
22-02-32-0080	Diesel	Light Commercial Truck	1.726	6.550	12.135	0.441	0.318	0.019	0.071
22-02-41-0080	Diesel	Intercity Bus	0.355	6.935	1.730	0.370	0.288	0.010	0.017
22-02-42-0080	Diesel	Transit Bus	0.109	1.592	0.673	0.059	0.041	0.002	0.004
22-02-43-0080	Diesel	School Bus	0.496	3.061	4.411	0.240	0.151	0.009	0.022
22-02-51-0080	Diesel	Refuse Truck	0.211	4.392	1.169	0.238	0.176	0.007	0.013
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	3.720	28.047	13.648	2.264	1.648	0.054	0.160
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.386	2.729	1.348	0.243	0.170	0.006	0.018
22-02-54-0080	Diesel	Motor Home	0.094	0.709	0.309	0.052	0.041	0.001	0.003
22-02-61-0080	Diesel	Combination Short-Haul Truck	3.390	72.943	18.466	3.713	2.799	0.119	0.200
22-02-62-0080	Diesel	Combination Long-Haul Truck	34.283	363.439	107.864	14.430	11.098	0.455	1.020
22-03-42-0080	CNG	Transit Bus	0.014	0.139	0.211	0.004	0.001	0	0.001
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Tolland County Total for On-Road Mobile Sources			**851.014**	**1,592.774**	**8,682.321**	**92.715**	**46.104**	**13.185**	**50.651**

Table F-8: Annual 2014 Onroad Emissions by SCC for Windham County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-01-11-0080	Gas	Motorcycle	29.685	7.473	150.334	0.409	0.252	0.063	0.320
22-01-21-0080	Gas	Passenger Car	282.465	285.871	2,457.020	23.071	10.122	3.508	16.298
22-01-31-0080	Gas	Passenger Truck	264.627	413.622	3,192.363	21.686	9.098	4.315	14.417
22-01-32-0080	Gas	Light Commercial Truck	26.010	41.887	334.509	2.296	0.908	0.467	1.470
22-01-42-0080	Gas	Transit Bus	0.004	0.008	0.151	0	0	0	0
22-01-43-0080	Gas	School Bus	0.017	0.022	0.919	0.001	0	0	0
22-01-51-0080	Gas	Refuse Truck	0.024	0.063	0.648	0.003	0.002	0	0
22-01-52-0080	Gas	Single Unit Short-Haul Truck	3.204	6.662	71.644	0.245	0.128	0.037	0.071
22-01-53-0080	Gas	Single Unit Long-Haul Truck	0.189	0.350	3.357	0.014	0.009	0.001	0.002
22-01-54-0080	Gas	Motor Home	0.258	0.409	5.053	0.015	0.010	0.002	0.003
22-01-61-0080	Gas	Combination Short-Haul Truck	0.009	0.015	0.217	0.001	0.001	0	0
22-02-21-0080	Diesel	Passenger Car	1.565	1.913	19.609	0.126	0.051	0.009	0.021
22-02-31-0080	Diesel	Passenger Truck	4.527	16.559	35.128	0.999	0.712	0.048	0.174
22-02-32-0080	Diesel	Light Commercial Truck	1.479	5.374	10.367	0.357	0.258	0.016	0.056
22-02-41-0080	Diesel	Intercity Bus	0.258	4.752	1.356	0.264	0.205	0.007	0.011
22-02-42-0080	Diesel	Transit Bus	0.085	1.084	0.615	0.043	0.030	0.002	0.003
22-02-43-0080	Diesel	School Bus	0.366	1.576	4.286	0.127	0.079	0.005	0.011
22-02-51-0080	Diesel	Refuse Truck	0.132	2.632	0.773	0.151	0.111	0.004	0.008
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	2.428	17.837	9.360	1.400	1.019	0.035	0.095
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.247	1.764	0.903	0.152	0.106	0.004	0.011
22-02-54-0080	Diesel	Motor Home	0.035	0.265	0.123	0.019	0.015	0	0.001
22-02-61-0080	Diesel	Combination Short-Haul Truck	2.623	52.350	14.990	2.811	2.107	0.086	0.142
22-02-62-0080	Diesel	Combination Long-Haul Truck	18.021	194.042	58.626	8.202	6.252	0.250	0.541
22-03-42-0080	CNG	Transit Bus	0.010	0.095	0.175	0.003	0.001	0	0.001
22-05-21-0080	E85	Passenger Car	0	0	0	0	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0	0	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0	0	0	0	0
Windham County Total for On-Road Mobile Sources			**638.268**	**1,056.625**	**6,372.526**	**62.395**	**31.476**	**8.859**	**33.656**

Table F-9: Summer Weekday 2014 Onroad Emissions by SCC For Fairfield County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	744.523	128.681	3,230.536
22-01-21-0080	Gas	Passenger Car	11,244.466	11,269.678	104,414.603
22-01-31-0080	Gas	Passenger Truck	10,701.983	16,031.153	149,514.809
22-01-32-0080	Gas	Light Commercial Truck	1,194.680	1,862.252	17,686.742
22-01-42-0080	Gas	Transit Bus	0.187	0.344	6.318
22-01-43-0080	Gas	School Bus	0.677	0.750	34.182
22-01-51-0080	Gas	Refuse Truck	0.684	1.511	17.420
22-01-52-0080	Gas	Single Unit Short-Haul Truck	129.691	227.575	2,593.826
22-01-53-0080	Gas	Single Unit Long-Haul Truck	7.242	11.798	120.594
22-01-54-0080	Gas	Motor Home	15.353	19.904	247.316
22-01-61-0080	Gas	Combination Short-Haul Truck	0.301	0.462	7.039
22-02-21-0080	Diesel	Passenger Car	61.345	84.030	1,136.956
22-02-31-0080	Diesel	Passenger Truck	190.957	786.482	2,056.820
22-02-32-0080	Diesel	Light Commercial Truck	70.559	298.239	706.140
22-02-41-0080	Diesel	Intercity Bus	12.856	205.389	70.859
22-02-42-0080	Diesel	Transit Bus	3.679	48.560	29.863
22-02-43-0080	Diesel	School Bus	6.812	52.315	170.412
22-02-51-0080	Diesel	Refuse Truck	4.080	71.555	23.830
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	96.014	693.571	404.130
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	10.710	69.723	39.892
22-02-54-0080	Diesel	Motor Home	2.203	14.999	7.627
22-02-61-0080	Diesel	Combination Short-Haul Truck	105.594	1,907.593	597.741
22-02-62-0080	Diesel	Combination Long-Haul Truck	820.001	7,439.594	2,635.533
22-03-42-0080	CNG	Transit Bus	0.527	4.983	8.463
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
Fairfield County Total for On-Road Mobile Sources			**25,425**	**41,231**	**285,762**

Table F-10: Summer Weekday 2014 Onroad Emissions by SCC For Hartford County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	896.035	148.055	3,538.230
22-01-21-0080	Gas	Passenger Car	12,289.361	13,007.961	121,303.164
22-01-31-0080	Gas	Passenger Truck	9,728.817	15,636.309	144,100.032
22-01-32-0080	Gas	Light Commercial Truck	1,161.972	1,947.723	18,245.787
22-01-42-0080	Gas	Transit Bus	0.196	0.399	6.741
22-01-43-0080	Gas	School Bus	0.658	0.779	33.323
22-01-51-0080	Gas	Refuse Truck	0.962	2.115	24.539
22-01-52-0080	Gas	Single Unit Short-Haul Truck	161.471	272.981	3,213.556
22-01-53-0080	Gas	Single Unit Long-Haul Truck	8.907	14.092	147.725
22-01-54-0080	Gas	Motor Home	16.910	20.034	258.418
22-01-61-0080	Gas	Combination Short-Haul Truck	0.417	0.592	9.213
22-02-21-0080	Diesel	Passenger Car	67.580	96.926	1,309.509
22-02-31-0080	Diesel	Passenger Truck	176.853	751.408	1,961.987
22-02-32-0080	Diesel	Light Commercial Truck	70.407	304.359	725.537
22-02-41-0080	Diesel	Intercity Bus	14.027	240.578	77.545
22-02-42-0080	Diesel	Transit Bus	4.050	56.506	32.263
22-02-43-0080	Diesel	School Bus	7.301	56.661	166.260
22-02-51-0080	Diesel	Refuse Truck	5.206	97.312	31.924
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	102.779	781.868	458.263
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	11.360	78.108	44.336
22-02-54-0080	Diesel	Motor Home	1.973	14.526	7.209
22-02-61-0080	Diesel	Combination Short-Haul Truck	120.255	2,315.271	722.013
22-02-62-0080	Diesel	Combination Long-Haul Truck	905.540	8,365.843	2,908.704
22-03-42-0080	CNG	Transit Bus	0.582	5.745	9.470
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
Hartford County Total for On-Road Mobile Sources			**25,754**	**44,216**	**299,336**

Table F-11: Summer Weekday 2014 Onroad Emissions by SCC For Litchfield County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	321.201	60.595	1,317.546
22-01-21-0080	Gas	Passenger Car	2,528.429	2,259.835	19,333.014
22-01-31-0080	Gas	Passenger Truck	2,674.939	3,635.125	31,863.157
22-01-32-0080	Gas	Light Commercial Truck	250.041	355.907	3,230.352
22-01-42-0080	Gas	Transit Bus	0.031	0.041	1.031
22-01-43-0080	Gas	School Bus	0.165	0.147	8.423
22-01-51-0080	Gas	Refuse Truck	0.176	0.261	3.765
22-01-52-0080	Gas	Single Unit Short-Haul Truck	39.124	43.533	688.893
22-01-53-0080	Gas	Single Unit Long-Haul Truck	2.101	2.180	29.141
22-01-54-0080	Gas	Motor Home	2.908	2.007	35.334
22-01-61-0080	Gas	Combination Short-Haul Truck	0.081	0.084	1.476
22-02-21-0080	Diesel	Passenger Car	12.543	16.533	210.947
22-02-31-0080	Diesel	Passenger Truck	41.712	159.875	428.065
22-02-32-0080	Diesel	Light Commercial Truck	12.913	50.435	123.112
22-02-41-0080	Diesel	Intercity Bus	1.630	25.093	9.733
22-02-42-0080	Diesel	Transit Bus	0.414	5.262	4.117
22-02-43-0080	Diesel	School Bus	1.230	7.882	40.678
22-02-51-0080	Diesel	Refuse Truck	0.608	10.385	4.379
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	14.628	103.041	79.814
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	1.603	10.149	7.213
22-02-54-0080	Diesel	Motor Home	0.199	1.315	0.848
22-02-61-0080	Diesel	Combination Short-Haul Truck	16.707	295.143	108.983
22-02-62-0080	Diesel	Combination Long-Haul Truck	63.830	799.219	268.640
22-03-42-0080	CNG	Transit Bus	0.069	0.508	1.103
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
Litchfield County Total for On-Road Mobile Sources			**5,987**	**7,845**	**57,800**

Table F-12: Summer Weekday 2014 Onroad Emissions by SCC For Middlesex County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	211.272	34.631	800.062
22-01-21-0080	Gas	Passenger Car	2,344.402	2,600.174	23,661.706
22-01-31-0080	Gas	Passenger Truck	2,321.522	3,924.893	35,230.342
22-01-32-0080	Gas	Light Commercial Truck	206.741	363.445	3,326.503
22-01-42-0080	Gas	Transit Bus	0.020	0.053	0.706
22-01-43-0080	Gas	School Bus	0.152	0.225	7.575
22-01-51-0080	Gas	Refuse Truck	0.178	0.430	4.847
22-01-52-0080	Gas	Single Unit Short-Haul Truck	31.239	57.959	644.333
22-01-53-0080	Gas	Single Unit Long-Haul Truck	1.728	3.000	29.804
22-01-54-0080	Gas	Motor Home	3.666	5.026	61.265
22-01-61-0080	Gas	Combination Short-Haul Truck	0.081	0.128	1.939
22-02-21-0080	Diesel	Passenger Car	13.101	19.593	257.026
22-02-31-0080	Diesel	Passenger Truck	42.391	179.379	475.701
22-02-32-0080	Diesel	Light Commercial Truck	12.579	53.685	130.955
22-02-41-0080	Diesel	Intercity Bus	1.923	33.717	10.040
22-02-42-0080	Diesel	Transit Bus	0.560	7.988	3.921
22-02-43-0080	Diesel	School Bus	2.347	19.922	39.613
22-02-51-0080	Diesel	Refuse Truck	1.065	20.131	6.463
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	21.941	165.388	97.059
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.435	16.428	9.474
22-02-54-0080	Diesel	Motor Home	0.494	3.594	1.792
22-02-61-0080	Diesel	Combination Short-Haul Truck	26.334	516.387	155.818
22-02-62-0080	Diesel	Combination Long-Haul Truck	213.225	1,900.740	668.096
22-03-42-0080	CNG	Transit Bus	0.078	0.831	1.244
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
Middlesex County Total for On-Road Mobile Sources			**5,459**	**9,928**	**65,626**

Table F-13: Summer Weekday 2014 Onroad Emissions by SCC For New Haven County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	783.660	124.151	3,092.010
22-01-21-0080	Gas	Passenger Car	11,012.537	11,800.853	109,804.280
22-01-31-0080	Gas	Passenger Truck	9,190.944	14,786.890	136,618.729
22-01-32-0080	Gas	Light Commercial Truck	885.017	1,481.836	13,911.304
22-01-42-0080	Gas	Transit Bus	0.169	0.349	5.783
22-01-43-0080	Gas	School Bus	0.669	0.803	33.737
22-01-51-0080	Gas	Refuse Truck	0.784	1.802	20.496
22-01-52-0080	Gas	Single Unit Short-Haul Truck	136.061	245.443	2,755.443
22-01-53-0080	Gas	Single Unit Long-Haul Truck	7.602	12.768	128.545
22-01-54-0080	Gas	Motor Home	15.992	21.365	262.457
22-01-61-0080	Gas	Combination Short-Haul Truck	0.349	0.544	8.242
22-02-21-0080	Diesel	Passenger Car	62.004	88.665	1,196.138
22-02-31-0080	Diesel	Passenger Truck	171.558	727.263	1,882.483
22-02-32-0080	Diesel	Light Commercial Truck	54.885	237.632	559.574
22-02-41-0080	Diesel	Intercity Bus	12.766	211.958	69.232
22-02-42-0080	Diesel	Transit Bus	3.688	50.305	28.623
22-02-43-0080	Diesel	School Bus	7.537	60.314	170.047
22-02-51-0080	Diesel	Refuse Truck	4.713	85.315	27.829
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	99.531	732.008	424.988
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	11.119	73.526	41.945
22-02-54-0080	Diesel	Motor Home	2.257	15.845	7.925
22-02-61-0080	Diesel	Combination Short-Haul Truck	119.230	2,227.052	685.119
22-02-62-0080	Diesel	Combination Long-Haul Truck	903.492	8,040.763	2,846.521
22-03-42-0080	CNG	Transit Bus	0.519	5.179	8.365
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
New Haven County Total for On-Road Mobile Sources			**23,487**	**41,033**	**274,590**

Table F-14: Summer Weekday 2014 Onroad Emissions by SCC For New London County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	382.123	69.212	1,575.746
22-01-21-0080	Gas	Passenger Car	3,841.213	4,282.822	38,206.665
22-01-31-0080	Gas	Passenger Truck	3,589.506	6,122.544	53,568.422
22-01-32-0080	Gas	Light Commercial Truck	283.263	505.603	4,521.200
22-01-42-0080	Gas	Transit Bus	0.062	0.140	2.168
22-01-43-0080	Gas	School Bus	0.225	0.284	11.396
22-01-51-0080	Gas	Refuse Truck	0.293	0.740	8.075
22-01-52-0080	Gas	Single Unit Short-Haul Truck	48.395	94.667	1,006.109
22-01-53-0080	Gas	Single Unit Long-Haul Truck	2.695	4.917	46.633
22-01-54-0080	Gas	Motor Home	6.752	9.422	109.091
22-01-61-0080	Gas	Combination Short-Haul Truck	0.119	0.195	2.887
22-02-21-0080	Diesel	Passenger Car	21.466	32.229	418.188
22-02-31-0080	Diesel	Passenger Truck	67.396	289.157	737.913
22-02-32-0080	Diesel	Light Commercial Truck	17.817	77.136	181.307
22-02-41-0080	Diesel	Intercity Bus	5.004	87.010	27.041
22-02-42-0080	Diesel	Transit Bus	1.439	20.231	10.921
22-02-43-0080	Diesel	School Bus	2.831	22.145	57.769
22-02-51-0080	Diesel	Refuse Truck	1.859	35.055	10.983
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	37.641	277.248	159.542
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	4.178	27.583	15.751
22-02-54-0080	Diesel	Motor Home	0.960	6.848	3.380
22-02-61-0080	Diesel	Combination Short-Haul Truck	40.430	790.773	235.117
22-02-62-0080	Diesel	Combination Long-Haul Truck	347.337	3,257.912	1,115.210
22-03-42-0080	CNG	Transit Bus	0.200	2.053	3.263
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
New London County Total for On-Road Mobile Sources			**8,703**	**16,016**	**102,035**

Table F-15: Summer Weekday 2014 Onroad Emissions by SCC For Tolland County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	248.732	44.235	995.681
22-01-21-0080	Gas	Passenger Car	2,020.138	2,205.386	19,385.778
22-01-31-0080	Gas	Passenger Truck	2,010.915	3,344.444	28,933.560
22-01-32-0080	Gas	Light Commercial Truck	158.856	276.962	2,457.859
22-01-42-0080	Gas	Transit Bus	0.021	0.057	0.702
22-01-43-0080	Gas	School Bus	0.114	0.176	5.599
22-01-51-0080	Gas	Refuse Truck	0.191	0.499	5.370
22-01-52-0080	Gas	Single Unit Short-Haul Truck	25.101	51.655	530.356
22-01-53-0080	Gas	Single Unit Long-Haul Truck	1.373	2.624	24.066
22-01-54-0080	Gas	Motor Home	3.580	5.283	58.879
22-01-61-0080	Gas	Combination Short-Haul Truck	0.057	0.097	1.428
22-02-21-0080	Diesel	Passenger Car	11.202	16.565	213.945
22-02-31-0080	Diesel	Passenger Truck	37.406	158.142	402.071
22-02-32-0080	Diesel	Light Commercial Truck	9.880	42.096	98.852
22-02-41-0080	Diesel	Intercity Bus	2.181	37.809	11.038
22-02-42-0080	Diesel	Transit Bus	0.617	8.662	4.084
22-02-43-0080	Diesel	School Bus	2.080	16.683	29.900
22-02-51-0080	Diesel	Refuse Truck	1.276	23.940	7.427
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	21.361	154.483	88.401
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.322	14.999	8.604
22-02-54-0080	Diesel	Motor Home	0.557	3.880	1.926
22-02-61-0080	Diesel	Combination Short-Haul Truck	20.374	397.342	117.639
22-02-62-0080	Diesel	Combination Long-Haul Truck	229.085	2,039.979	712.034
22-03-42-0080	CNG	Transit Bus	0.087	0.877	1.302
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
Tolland County Total for On-Road Mobile Sources			**4,808**	**8,847**	**54,097**

Table F-16: Summer Weekday 2014 Onroad Emissions by SCC For Windham County (Excluding Refueling Emissions)

SCC	Fuel Type	Source Type	Summer Day Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gas	Motorcycle	213.320	35.938	789.216
22-01-21-0080	Gas	Passenger Car	1,524.497	1,557.314	13,845.071
22-01-31-0080	Gas	Passenger Truck	1,481.554	2,311.094	20,446.375
22-01-32-0080	Gas	Light Commercial Truck	143.433	234.207	2,127.212
22-01-42-0080	Gas	Transit Bus	0.023	0.043	0.805
22-01-43-0080	Gas	School Bus	0.117	0.128	5.960
22-01-51-0080	Gas	Refuse Truck	0.155	0.322	3.885
22-01-52-0080	Gas	Single Unit Short-Haul Truck	23.059	36.127	449.204
22-01-53-0080	Gas	Single Unit Long-Haul Truck	1.249	1.837	20.036
22-01-54-0080	Gas	Motor Home	1.925	2.068	28.070
22-01-61-0080	Gas	Combination Short-Haul Truck	0.065	0.078	1.299
22-02-21-0080	Diesel	Passenger Car	8.124	11.576	151.073
22-02-31-0080	Diesel	Passenger Truck	25.734	105.639	277.660
22-02-32-0080	Diesel	Light Commercial Truck	8.297	34.444	83.310
22-02-41-0080	Diesel	Intercity Bus	1.525	26.087	8.697
22-02-42-0080	Diesel	Transit Bus	0.424	5.938	3.627
22-02-43-0080	Diesel	School Bus	1.144	8.659	29.378
22-02-51-0080	Diesel	Refuse Truck	0.773	14.446	4.917
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	13.100	99.008	61.240
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	1.431	9.752	5.786
22-02-54-0080	Diesel	Motor Home	0.200	1.459	0.759
22-02-61-0080	Diesel	Combination Short-Haul Truck	14.917	287.128	95.846
22-02-62-0080	Diesel	Combination Long-Haul Truck	119.725	1,093.144	387.040
22-03-42-0080	CNG	Transit Bus	0.065	0.599	1.061
22-05-21-0080	E85	Passenger Car	0	0	0
22-05-31-0080	E85	Passenger Truck	0	0	0
22-05-32-0080	E85	Light Commercial Truck	0	0	0
Windham County Total for On-Road Mobile Sources			**3,585**	**5,877**	**38,828**

Table F-17: Annual 2014 Onroad Emissions by Fuel Type (Excluding Refueling Emissions)

Source Type	Annual Emissions [TPY]						
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
Fairfield							
CNG	0.08	0.79	1.4	0.02	0.01	0.00	0.01
Diesel	221	2,076	1,103	107	78	3.3	7.5
E85	0	0	0	0	0	0	0
Gas	4,309	5,420	45,220	367	146	62	235
Fairfield Total	**4,530**	**7,497**	**46,324**	**474**	**224**	**65**	**243**
Hartford							
CNG	0.09	0.92	1.6	0.03	0.01	0.00	0.01
Diesel	239	2,335	1,185	115	85	3.6	8.3
E85	0	0	0	0	0	0	0
Gas	4,323	5,623	46,682	387	161	65	255
Hartford Total	**4,562**	**7,959**	**47,869**	**502**	**246**	**69**	**263**
Litchfield							
CNG	0.01	0.08	0.18	0.00	0.00	0	0.00
Diesel	30	264	180	16	11	0.47	1.0
E85	0	0	0	0	0	0	0
Gas	1,074	1,167	10,103	72	32	12	45
Litchfield Total	**1,104**	**1,430**	**10,283**	**88**	**44**	**12**	**46**
Middlesex							
CNG	0.01	0.13	0.20	0.00	0.00	0.00	0.00
Diesel	54	527	261	24	18	0.81	1.9
E85	0	0	0	0	0	0	0
Gas	919	1,280	10,138	75	33	15	58
Middlesex Total	**973**	**1,807**	**10,400**	**99**	**51**	**15**	**60**
New Haven							
CNG	0.08	0.82	1.4	0.02	0.01	0.00	0.01
Diesel	231	2,252	1,116	110	81	3.5	8.0
E85	0	0	0	0	0	0	0
Gas	3,976	5,227	42,801	357	145	61	240
New Haven Total	**4,207**	**7,479**	**43,918**	**468**	**227**	**65**	**248**
New London							
CNG	0.03	0.33	0.54	0.01	0.00	0.00	0.00
Diesel	87	871	418	41	31	1.3	3.1
E85	0	0	0	0	0	0	0
Gas	1,420	1,993	15,510	124	51	23	93
New London Total	**1,507**	**2,865**	**15,928**	**165**	**81**	**25**	**96**

Source Type	Annual Emissions [TPY]						
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
Tolland							
CNG	0.01	0.14	0.21	0.00	0.00	0	0.00
Diesel	53	518	239	24	18	0.77	1.8
E85	0	0	0	0	0	0	0
Gas	798	1,075	8,443	69	28	12	49
Tolland Total	**851**	**1,593**	**8,682**	**93**	**46**	**13**	**51**
Windham							
CNG	0.01	0.10	0.18	0.00	0.00	0	0.00
Diesel	32	300	156	15	11	0.47	1.1
E85	0	0	0	0	0	0	0
Gas	606	756	6,216	48	21	8.4	33
Windham Total	**638**	**1,057**	**6,373**	**62**	**31**	**8.9**	**34**
Statewide Total	**129,452**	**63,895**	**365,667**	**27,781**	**12,286**	**8,625**	**4,202**

Table F-18: Summer Weekday 2014 Onroad Emissions by Fuel Type (Excluding Refueling Emissions)

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield			
CNG	0.5	5.0	8.5
Diesel	1,385	11,672	7,880
E85	0	0	0
Gas	24,040	29,554	277,873
Fairfield Total	**25,425**	**41,231**	**285,762**
Hartford			
CNG	0.6	5.7	9.5
Diesel	1,487	13,159	8,446
E85	0	0	0
Gas	24,266	31,051	290,881
Hartford Total	**25,754**	**44,216**	**299,336**
Litchfield			
CNG	0.1	0.5	1.1
Diesel	168	1,484	1,287
E85	0	0	0
Gas	5,819	6,360	56,512
Litchfield Total	**5,987**	**7,845**	**57,800**

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_x	CO
Middlesex			
CNG	0.1	0.8	1.2
Diesel	338	2,937	1,856
E85	0	0	0
Gas	5,121	6,990	63,769
Middlesex Total	**5,459**	**9,928**	**65,626**
New Haven			
CNG	0.5	5.2	8.4
Diesel	1,453	12,551	7,940
E85	0	0	0
Gas	22,034	28,477	266,641
New Haven Total	**23,487**	**41,033**	**274,590**
New London			
CNG	0.2	2.1	3.3
Diesel	548	4,923	2,973
E85	0	0	0
Gas	8,155	11,091	99,058
New London Total	**8,703**	**16,016**	**102,035**
Tolland			
CNG	0.1	0.9	1.3
Diesel	338	2,915	1,696
E85	0	0	0
Gas	4,469	5,931	52,399
Tolland Total	**4,808**	**8,847**	**54,097**
Windham			
CNG	0.1	0.6	1.1
Diesel	195	1,697	1,109
E85	0	0	0
Gas	3,389	4,179	37,717
Windham Total	**3,585**	**5,877**	**38,828**
Statewide Total	**103,208**	**174,992**	**1,178,072**

Appendix G Non-Road Mobile Sources

Table G-1: 2014 Annual Non-Road Sector Emissions in Fairfield County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	0.49	4.9	4.1	0.4	0.4	0	0	-
Aircraft Exhaust	12.5	8.1	368.3	8.4	6.7	1.4	0	0.3329
Airport Equipment	0	0	0	0	0	0	0	-
Commercial Equipment	241.2	302.5	5,930	25.7	24.6	0.7	0.5	-
Commercial Marine Vessels (CMV)	10.4	453.7	71.5	12.4	11.9	40.9	0.2	0.0012
Construction and Mining Equipment	171	1,101	1,449	95.9	92.7	1.4	1.2	-
Industrial Equipment	86.4	456.2	2,120	22.9	22.3	0.7	0.4	-
Lawn and Garden Equipment (Com)	1,462	401.2	22,311	123.3	114.1	1.9	1.4	-
Lawn and Garden Equipment (Res)	337.7	60.5	5,074	12.5	11.5	0.4	0.3	-
Locomotives	19.3	437.8	50.9	12.2	11.7	0.2	0.2	0.0003
Logging Equipment	0.02	0.1	0.2	0	0	0	0	-
Pleasure Craft	663.5	329.5	2,787	13.1	12.2	0.6	0.5	-
Railroad Equipment	1.5	7.3	16.2	0.8	0.8	0	0	-
Recreational Equipment	63.7	10.5	988.3	1.9	1.8	0.1	0.1	-
Fairfield County Total	**3,070**	**3,574**	**41,170**	**329.5**	**310.6**	**48.1**	**4.7**	**0.3343**

Table G-2: 2014 Summer Weekday Non-Road Sector Emissions in Fairfield County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	10	98	84
Aircraft Exhaust	81	43	2,562
Airport Equipment	0	0	0
Commercial Equipment	2,841	3,576	78,319
Commercial Marine Vessels (CMV)	57	2,493	393
Construction and Mining Equipment	2,496	16,171	21,870
Industrial Equipment	1,029	5,492	26,949
Lawn and Garden Equipment (Com)	17,129	6,780	405,361
Lawn and Garden Equipment (Res)	3,781	647	66,459
Locomotives	148	3,367	392
Logging Equipment	0	1	2
Pleasure Craft	8,487	3,267	29,392
Railroad Equipment	20	99	228
Recreational Equipment	872	122	14,246
Fairfield County Total	36,952	42,157	646,258

Table G-3: 2014 Annual Non-Road Sector Emissions in Hartford County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	2.9	28.5	23.8	2.1	2.1	0	0	-
Aircraft Exhaust	112.6	418.6	879.8	20.1	18.4	51.6	0	0.3445
Airport Equipment	6.6	20.5	196.3	0.7	0.7	0.6	0	-
Commercial Equipment	204.3	257.5	5,022	21.8	20.9	0.6	0.4	-
Commercial Marine Vessels (CMV)	0.3	24.8	4.6	0.6	0.6	0	0	0.0001
Construction and Mining Equipment	122.9	792.6	1,042	69	66.7	1	0.9	-
Industrial Equipment	97.2	505.8	2,408	25.3	24.6	0.8	0.5	-
Lawn and Garden Equipment (Com)	711.3	196.2	10,837	60	55.5	0.9	0.7	-
Lawn and Garden Equipment (Res)	348.5	63.3	5,253	12.9	11.9	0.4	0.3	-
Locomotives	8.3	189	21.4	5.3	5	0.1	0.1	0.0003
Logging Equipment	0.1	0.4	1	0	0	0	0	-
Pleasure Craft	211.8	57.8	703.4	3.8	3.5	0.1	0.1	-
Railroad Equipment	1.5	7.1	15.7	0.8	0.8	0	0	-
Recreational Equipment	50	10.1	988.7	1.4	1.3	0.1	0.1	-
Hartford County Total	**1,878**	**2,572**	**27,396**	**224**	**212**	**56.3**	**3.1**	**0.3449**

Table G-4: 2014 Summer Weekday Non-Road Sector Emissions in Hartford County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	57	571	488
Aircraft Exhaust	661	2,371	5,865
Airport Equipment	37	116	1,107
Commercial Equipment	2,496	3,034	66,476
Commercial Marine Vessels (CMV)	1	136	25
Construction and Mining Equipment	1,804	11,636	15,739
Industrial Equipment	1,166	6,102	30,638
Lawn and Garden Equipment (Com)	8,380	3,297	197,264
Lawn and Garden Equipment (Res)	4,170	671	68,948
Locomotives	64	1,454	164
Logging Equipment	1	6	12
Pleasure Craft	2,724	580	7,360
Railroad Equipment	20	96	221
Recreational Equipment	687	115	14,294
Hartford County Total	22,270	30,183	408,603

Table G-5: 2014 Annual Non-Road Sector Emissions in Litchfield County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	4.3	42.6	35.5	3.2	3.1	0	0	-
Aircraft Exhaust	0.6	0.3	42.3	0.8	0.6	0	0	0.0524
Airport Equipment	0	0	0	0	0	0	0	-
Commercial Equipment	36.9	47	909	4	3.8	0.1	0.1	-
Commercial Marine Vessels (CMV)	0	0	0	0	0	0	0	0
Construction and Mining Equipment	23.3	150.6	197.6	13.1	12.7	0.2	0.2	-
Industrial Equipment	21.6	112	534.6	5.6	5.4	0.2	0.1	-
Lawn and Garden Equipment (Com)	205.4	57.3	3,120	17.3	16	0.3	0.2	-
Lawn and Garden Equipment (Res)	77.9	14.6	1,184	2.9	2.7	0.1	0.1	-
Locomotives	2.6	68.2	6.7	1.7	1.5	0	0	0.0001
Logging Equipment	0.57	2.5	5.5	0.2	0.2	0	0	-
Pleasure Craft	343.5	95.3	1,153	6.2	5.7	0.2	0.2	-
Railroad Equipment	0.32	1.5	3.4	0.2	0.2	0	0	-
Recreational Equipment	337.6	22.2	1,350	10.4	9.6	0.2	0.1	-
Litchfield County Total	**1,055**	**614.1**	**8,543**	**65.6**	**61.5**	**1.3**	**1**	**0.0525**

Table G-6: 2014 Summer Weekday Non-Road Sector Emissions in Litchfield County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	86	855	731
Aircraft Exhaust	6	3	440
Airport Equipment	0	0	0
Commercial Equipment	454	551	12,077
Commercial Marine Vessels (CMV)	0	0	0
Construction and Mining Equipment	343	2,211	2,991
Industrial Equipment	259	1,350	6,811
Lawn and Garden Equipment (Com)	2,421	953	56,987
Lawn and Garden Equipment (Res)	944	152	15,603
Locomotives	20	524	52
Logging Equipment	7	32	71
Pleasure Craft	4,470	951	12,078
Railroad Equipment	4	21	48
Recreational Equipment	3,008	202	15,356
Litchfield County Total	12,022	7,804	123,244

Table G-7: 2014 Annual Non-Road Sector Emissions in Middlesex County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	0.8	8.3	6.9	0.6	0.6	0	0	-
Aircraft Exhaust	2.1	1.2	62.9	1.6	1.3	0.2	0	0.0574
Airport Equipment	0	0	0	0	0	0	0	-
Commercial Equipment	36.1	45.5	890	3.9	3.7	0.1	0.1	-
Commercial Marine Vessels (CMV)	3.5	103.4	12.7	3	2.8	18.4	0	0.0002
Construction and Mining Equipment	31.3	201.9	265.6	17.6	17	0.2	0.2	-
Industrial Equipment	18.4	95.3	456.4	4.8	4.6	0.2	0.1	-
Lawn and Garden Equipment (Com)	122.5	33.7	1,868	10.3	9.6	0.2	0.1	-
Lawn and Garden Equipment (Res)	67.4	12.2	1,018	2.5	2.3	0.1	0.1	-
Locomotives	1.2	32.1	3.2	0.8	0.7	0	0	0.0001
Logging Equipment	0.42	1.8	4	0.2	0.2	0	0	-
Pleasure Craft	318.5	133.3	1,241	6.1	5.6	0.2	0.2	-
Railroad Equipment	0.3	1.3	2.9	0.2	0.1	0	0	-
Recreational Equipment	93.8	7.8	516.2	3.1	2.9	0	0	-
Middlesex County Total	**696**	**677.8**	**6,348**	**54.6**	**51.5**	**19.7**	**0.8**	**0.0576**

Table G-8: 2014 Summer Weekday Non-Road Sector Emissions in Middlesex County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	17	166	142
Aircraft Exhaust	16	9	542
Airport Equipment	0	0	0
Commercial Equipment	427	537	11,761
Commercial Marine Vessels (CMV)	19	568	70
Construction and Mining Equipment	458	2,965	4,010
Industrial Equipment	219	1,151	5,805
Lawn and Garden Equipment (Com)	1,435	568	33,963
Lawn and Garden Equipment (Res)	759	130	13,338
Locomotives	10	247	24
Logging Equipment	5	23	52
Pleasure Craft	4,058	1,325	13,061
Railroad Equipment	4	18	41
Recreational Equipment	1,320	95	7,391
Middlesex County Total	8,746	7,801	90,199

Table G-9: 2014 Annual Non-Road Sector Emissions in New Haven County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	1.3	13	10.9	1	0.9	0	0	-
Aircraft Exhaust	13.2	16.6	272.4	6.7	5.5	2.2	0	0.2332
Airport Equipment	0.1	0.4	3.9	0	0	0	0	-
Commercial Equipment	188.9	238.6	4,657	20.2	19.4	0.5	0.4	-
Commercial Marine Vessels (CMV)	12.7	420.3	56.2	12.4	11.7	66.7	0.1	0.0009
Construction and Mining Equipment	135.9	877	1,153	76.4	73.8	1.1	1	-
Industrial Equipment	74.9	399.3	1,829	20.1	19.6	0.6	0.4	-
Lawn and Garden Equipment (Com)	521.4	143.8	7,947	44	40.7	0.7	0.5	-
Lawn and Garden Equipment (Res)	334.7	61	5,067	12.5	11.5	0.4	0.3	-
Locomotives	16.6	372.9	43.4	10.5	10	0.2	0.1	0.0003
Logging Equipment	0	1.3	2.8	0.1	0.1	0	0	-
Pleasure Craft	574.8	355.9	2,699	12	11.2	0.6	0.5	-
Railroad Equipment	1.4	6.8	15.1	0.8	0.8	0	0	-
Recreational Equipment	59.2	8.8	796.5	1.8	1.7	0.1	0	-
New Haven County Total	**1,935**	**2,916**	**24,554**	**218.5**	**206.9**	**73**	**3.3**	**0.2344**

Table G-10: 2014 Summer Weekday Non-Road Sector Emissions in New Haven County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	26	261	224
Aircraft Exhaust	86	103	1,829
Airport Equipment	1	3	24
Commercial Equipment	2,235	2,813	61,615
Commercial Marine Vessels (CMV)	70	2,309	309
Construction and Mining Equipment	1,987	12,875	17,413
Industrial Equipment	892	4,798	23,259
Lawn and Garden Equipment (Com)	6,111	2,419	144,615
Lawn and Garden Equipment (Res)	3,783	648	66,478
Locomotives	127	2,868	334
Logging Equipment	3	16	36
Pleasure Craft	7,504	3,507	28,574
Railroad Equipment	19	92	213
Recreational Equipment	817	103	11,494
New Haven County Total	23,661	32,816	356,416

Table G-11: 2014 Annual Non-Road Sector Emissions in New London County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	2.5	24.9	20.8	1.9	1.8	0	0	-
Aircraft Exhaust	10.5	17.3	110.7	3.1	2.6	1.8	0	0.0857
Airport Equipment	0	0	0	0	0	0	0	-
Commercial Equipment	31.9	40.2	787.5	3.4	3.3	0.1	0.1	-
Commercial Marine Vessels (CMV)	10.8	693.1	121.2	17.7	17	26.6	0.3	0.0021
Construction and Mining Equipment	61.4	396.4	521.2	34.5	33.4	0.5	0.4	-
Industrial Equipment	20.9	112.8	505.5	5.7	5.5	0.2	0.1	-
Lawn and Garden Equipment (Com)	70.0	19.3	1,067	5.9	5.5	0.1	0.1	-
Lawn and Garden Equipment (Res)	109.3	19.8	1,654	4.1	3.7	0.1	0.1	-
Locomotives	3.4	86.3	8.5	2.1	2	0	0	0.0002
Logging Equipment	0.34	1.5	3.2	0.1	0.1	0	0	-
Pleasure Craft	616.1	239.5	2,329	11.6	10.8	0.4	0.4	-
Railroad Equipment	0.45	2.2	4.8	0.2	0.2	0	0	-
Recreational Equipment	201.6	16.4	1,051	6.7	6.2	0.1	0.1	-
New London County Total	**1,139**	**1,670**	**8,185**	**97**	**92.1**	**30**	**1.6**	**0.088**

Table G-12: 2014 Summer Weekday Non-Road Sector Emissions in New London County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	50	499	427
Aircraft Exhaust	73	118	781
Airport Equipment	0	0	0
Commercial Equipment	391	475	10,411
Commercial Marine Vessels (CMV)	60	3,808	666
Construction and Mining Equipment	902	5,820	7,872
Industrial Equipment	250	1,352	6,423
Lawn and Garden Equipment (Com)	825	324	19,413
Lawn and Garden Equipment (Res)	1,312	211	21,696
Locomotives	26	664	65
Logging Equipment	4	19	42
Pleasure Craft	8,042	2,381	24,491
Railroad Equipment	6	29	67
Recreational Equipment	2,880	199	15,050
New London County Total	14,820	15,899	107,403

Table G-13: 2014 Annual Non-Road Sector Emissions in Tolland County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	1.8	18.3	15.3	1.4	1.3	0	0	-
Aircraft Exhaust	2.1	0.9	77.8	1.6	1.3	0.2	0	0.0764
Airport Equipment	0	0	0	0	0	0	0	-
Commercial Equipment	13.1	16.6	321.9	1.4	1.3	0	0	-
Commercial Marine Vessels (CMV)	0	0	0	0	0	0	0	0
Construction and Mining Equipment	27.3	176.3	231.5	15.3	14.8	0.2	0.2	-
Industrial Equipment	6.6	39.1	150.9	2	2	0.1	0	-
Lawn and Garden Equipment (Com)	62.1	17.2	944.3	5.2	4.8	0.1	0.1	-
Lawn and Garden Equipment (Res)	51.5	9.5	779.9	1.9	1.8	0.1	0	-
Locomotives	0.9	21.9	2.2	0.5	0.5	0	0	0
Logging Equipment	0.38	1.7	3.6	0.1	0.1	0	0	-
Pleasure Craft	97.1	26.7	324.5	1.7	1.6	0.1	0	-
Railroad Equipment	0.24	1.2	2.6	0.1	0.1	0	0	-
Recreational Equipment	49.5	5	373.3	1.6	1.5	0	0	-
Tolland County Total	**312.5**	**334.5**	**3,228**	**33.1**	**31.2**	**0.8**	**0.5**	**0.0764**

Table G-14: 2014 Summer Weekday Non-Road Sector Emissions in Tolland County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	37	368	314
Aircraft Exhaust	14	6	522
Airport Equipment	0	0	0
Commercial Equipment	160	195	4,269
Commercial Marine Vessels (CMV)	0	0	0
Construction and Mining Equipment	401	2,588	3,501
Industrial Equipment	79	461	1,914
Lawn and Garden Equipment (Com)	732	288	17,221
Lawn and Garden Equipment (Res)	620	100	10,257
Locomotives	7	168	17
Logging Equipment	4	21	47
Pleasure Craft	1,257	268	3,397
Railroad Equipment	3	16	36
Recreational Equipment	703	59	5,379
Tolland County Total	4,018	4,537	46,874

Table G-15: 2014 Annual Non-Road Sector Emissions in Windham County

Non-Road Sector	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}	$PM_{2.5}$	SO_2	NH_3	Lead
Agricultural Equipment	2.9	28.8	24.1	2.2	2.1	0	0	-
Aircraft Exhaust	3.5	2.6	109.8	2.4	1.8	0.4	0	0.1065
Airport Equipment	0	0	0	0	0	0	0	-
Commercial Equipment	14.4	18.2	353.6	1.5	1.5	0	0	-
Commercial Marine Vessels (CMV)	0	0	0	0	0	0	0	0
Construction and Mining Equipment	33.3	214.6	281.9	18.7	18.1	0.3	0.2	-
Industrial Equipment	9.9	52.9	242.5	2.7	2.6	0.1	0.1	-
Lawn and Garden Equipment (Com)	48.0	13.3	730.3	4	3.7	0.1	0	-
Lawn and Garden Equipment (Res)	43.6	8	658.6	1.6	1.5	0	0	-
Locomotives	1.8	46.4	4.6	1.1	1.1	0	0	0.0001
Logging Equipment	0.46	2	4.4	0.2	0.2	0	0	-
Pleasure Craft	124.5	34.1	414.7	2.2	2.1	0.1	0.1	-
Railroad Equipment	019	0.9	2	0.1	0.1	0	0	-
Recreational Equipment	154.4	12.4	781.3	5.1	4.7	0.1	0.1	-
Windham County Total	**436.9**	434.4	3,608	41.9	39.4	1.1	0.6	0.1066

Table G-16: 2014 Summer Weekday Non-Road Sector Emissions in Windham County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	58	578	495
Aircraft Exhaust	38	24	1,331
Airport Equipment	0	0	0
Commercial Equipment	176	214	4,685
Commercial Marine Vessels (CMV)	0	0	0
Construction and Mining Equipment	488	3,151	4,262
Industrial Equipment	119	636	3,085
Lawn and Garden Equipment (Com)	565	222	13,308
Lawn and Garden Equipment (Res)	523	84	8,654
Locomotives	14	357	35
Logging Equipment	5	25	57
Pleasure Craft	1,607	342	4,340
Railroad Equipment	3	12	28
Recreational Equipment	2,208	151	11,200
Windham County Total	5,804	5,797	51,480

Multiple (Portable Facilities)	Lead [lb/day]
Aircraft	1.2889

Table G-17: Recreational Marine Source Type Population MOVES Input

Source Classification Code	Description[167]	Fuel Type	Average HP Rating	Source Type ID	Connecticut Population in 2014
22-82-005-010	2-Str Outboard	Gasoline	2.08	2113	3,930
		Gasoline	4.43	2114	8,383
		Gasoline	9.07	2115	8,551
		Gasoline	14.83	2116	3,610
		Gasoline	22.76	2117	5,111
		Gasoline	32.01	2118	5,394
		Gasoline	45.58	2119	2,935
		Gasoline	63.58	2120	4,914
		Gasoline	85.05	2121	5,347
		Gasoline	127.8	2122	11,423
		Gasoline	212.3	2123	7,542
22-82-005-015	2-Str Personal Water Craft	Gasoline	2.01	2124	35
		Gasoline	4.96	2125	29
		Gasoline	9.12	2126	39
		Gasoline	25	2127	81
		Gasoline	29.59	2128	206
		Gasoline	46.59	2129	291
		Gasoline	61.51	2130	638
		Gasoline	88.85	2131	1,655
		Gasoline	130	2132	4,918
		Gasoline	212.7	2133	3,170
22-82-010-005	4-Str Inboard/Sterndrive	Gasoline	5	2134	92
		Gasoline	10	2135	39
		Gasoline	15	2136	26
		Gasoline	30.47	2137	241
		Gasoline	59.55	2138	299
		Gasoline	0	2139	368
		Gasoline	149.7	2140	4,150
		Gasoline	211.1	2141	9,568
		Gasoline	380.8	2142	2,667

[167] The native MOVES population input (nrbaseyearequippopulation) table does not include descriptions, so experts at the EPA's MOVES support email address provided the needed SQL relationships. The SQL used for the above data is as follows:

SELECT a.SCC, a.description, nrfueltype.fuelTypeDesc, b.hpAvg, c.* FROM movesdb20210209.nrscc AS a, movesdb20210209.nrsourceusetype AS b,
2014_pei_2014_nonroad_annual_in.nrbaseyearequippopulation AS c, movesdb20210209.nrfueltype
WHERE c.StateID = 9 and a.SCC=b.scc and b.sourcetypeid = c.sourcetypeid and nrfueltype.fuelTypeID= a.fuelTypeID;

Source Classification Code	Description[167]	Fuel Type	Average HP Rating	Source Type ID	Connecticut Population in 2014
		Gasoline	650	2143	978
22-82-020-005	Inboard/Sterndrive	Diesel	9.736	2144	41
		Diesel	14.92	2145	59
		Diesel	21.41	2146	136
		Diesel	31.2	2147	208
		Diesel	42.4	2148	39
		Diesel	56.19	2149	101
		Diesel	94.22	2150	47
		Diesel	144.9	2151	185
		Diesel	223.1	2152	444
		Diesel	387.1	2153	839
		Diesel	677	2154	318
		Diesel	876.5	2155	425
		Diesel	1154	2156	55
		Diesel	1369	2157	121
		Diesel	2294	2158	9
22-82-020-010	Outboard	Diesel	32.25	2159	0
All Recreational Marine Sources					99,657

Table G-18: Annual Lead Emissions from Piston-Driven Aircraft

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Fairfield	12305511	CT52	FLYING RIDGE AIRSTRIP	22-75-050-011	0.1845
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-011	0.2767
Fairfield	9795711	DXR	Danbury Muni	22-75-050-011	347.7740
Fairfield	9795711	DXR	Danbury Muni	22-75-060-011	4.8973
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-011	308.8640
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-011	3.8369
Fairfield			**All**		**665.8334**
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-050-011	8.3014
Hartford	11315311	CT14	BANCROFT	22-75-050-011	0.7687
Hartford	11315611	CT19	LAURIE FIELD	22-75-050-011	0.3075
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-011	166.7962
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-011	0.3843
Hartford	11949311	23CT	BLANCHETTE	22-75-050-011	0.2767
Hartford	12306211	CT60	ULTIMATE	22-75-050-011	0.0308
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-011	0.2767
Hartford	12306611	CT73	SOUTH MEADOWS	22-75-050-011	0.7687
Hartford	12307411	CT85	ROBERTS FARM	22-75-050-011	0.7687
Hartford	12308511	CT96	GREEN ACRES	22-75-050-011	2.3982
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-011	320.0300
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-011	1.5346
Hartford	9792411	BDL	Bradley Intl	22-75-050-011	0.7687
Hartford	9792411	BDL	Bradley Intl	22-75-060-011	0.7687
Hartford	9792511	4B9	Simsbury	22-75-050-011	70.3826
Hartford	9792511	4B9	Simsbury	22-75-060-011	0.1257
Hartford	9792611	4B8	Robertson Field	22-75-050-011	113.3326
Hartford	9792611	4B8	Robertson Field	22-75-060-011	1.0054
Hartford			**All**		**689.0258**
Litchfield	10958911	08CT	SEAVAIR S LANDING	22-75-050-011	0.0154
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-050-011	15.9110
Litchfield	11116611	33CT	IRISH HILLS FARMS	22-75-050-011	0.0154
Litchfield	11193711	5CT5	THOMSON FIELD	22-75-050-011	0.0154
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-011	24.6582
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-050-011	0.0461
Litchfield	11316711	CT66	LONG VIEW LANDING	22-75-050-011	3.1361
Litchfield	12289011	CT01	WHELAN FARMS	22-75-050-011	13.8356
Litchfield	12305411	CT51	DOCKTORS FIELD	22-75-050-011	0.0154

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-050-011	1.2858
Litchfield	12470011	N41	WATERBURY	22-75-050-011	45.8114
Litchfield			**All**		**104.7457**
Middlesex	11146011	42B	GOODSPEED	22-75-050-011	34.3600
Middlesex	11146011	42B	GOODSPEED	22-75-060-011	0.0503
Middlesex	12289611	CT11	DEVILS HOPYARD FIELD	22-75-050-011	3.8432
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-050-011	0.9224
Middlesex	9790011	SNC	Chester	22-75-050-011	70.3272
Middlesex	9790011	SNC	Chester	22-75-060-011	5.2565
Middlesex			**All**		**114.7596**
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-011	7.6865
New Haven	11847011	5CT1	RONDO	22-75-050-011	0.2767
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-011	207.5900
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-011	8.2104
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-011	88.8262
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-011	0.3016
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-011	145.6034
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-011	7.9685
New Haven			**All**		**466.4633**
New London	11314911	CT07	SKIS LANDING AREA	22-75-050-011	0.0922
New London	11315911	CT32	GALLUP FARM	22-75-050-011	0.3228
New London	11847311	5CT7	MILE CREEK	22-75-050-011	0.9224
New London	11962811	24CT	BEE FIELD	22-75-050-011	0.0154
New London	12289711	CT16	FETSKE	22-75-050-011	0.0461
New London	12304811	CT43	SPRUCE	22-75-050-011	0.5381
New London	16081511	69CT	THE SHORE	22-75-050-011	0.2767
New London	9810511	GON	Groton-New London	22-75-050-011	166.7402
New London	9810511	GON	Groton-New London	22-75-060-011	2.3959
New London			**All**		**171.3498**
Tolland	11315011	CT09	HECKLER FIELD	22-75-050-011	1.9062
Tolland	11315411	CT15	WYSOCKI FIELD	22-75-050-011	0.1691
Tolland	11649811	7B9	ELLINGTON	22-75-050-011	150.1866
Tolland	11649811	7B9	ELLINGTON	22-75-060-011	0.0335
Tolland	12290511	CT29	VALLEY FARMS	22-75-050-011	0.4612
Tolland			**All**		**152.7567**
Windham	11580211	64CT	WOODSTOCK	22-75-050-011	11.5297
Windham	11847211	5CT6	BUELL FARM	22-75-050-011	1.8448
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-011	0.2767
Windham	12306711	CT74	WESTFORD AIRSTRIP	22-75-050-011	0.0461

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Windham	16101611	31CT	QUIET CORNER	22-75-050-011	0.2767
Windham	9808111	IJD	Windham	22-75-050-011	76.4788
Windham	9808111	IJD	Windham	22-75-060-011	0.4189
Windham	9808211	LZD	Danielson	22-75-050-011	121.9226
Windham	9808211	LZD	Danielson	22-75-060-011	0.1207
Windham	**All**				**212.9149**
State Total	**All**				**2,577.8491**

Table G-19: Annual Emissions of Aircraft

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Fairfield	11014011	0CT7	22-75-050-012	0.01103	0.00518	0.15323	0.00379	0.0037	0.00118
Fairfield	11193811	5CT8	22-75-050-012	0.01172	0.0055	0.16281	0.00402	0.00393	0.00125
Fairfield	11315111	CT12	22-75-050-012	0.00414	0.00194	0.05746	0.00142	0.00139	0.00044
Fairfield	11316111	CT41	22-75-050-012	0.17996	0.0845	2.4996	0.06178	0.0603	0.0192
Fairfield	11517611	0CT8	22-75-050-012	0.01069	0.00502	0.14844	0.00367	0.00358	0.00114
Fairfield	11847111	5CT4	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Fairfield	12291011	CT37	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Fairfield	12305511	CT52	22-75-050-011	0.0009	0.00039	0.07208	0.00142	0.00098	0.00006
Fairfield	12308011	CT91	22-75-050-012	0.00034	0.00016	0.00479	0.00012	0.00012	0.00004
Fairfield	12395011	JSD	22-75-050-012	0.99734	0.4683	13.8531	0.34239	0.33417	0.10643
Fairfield	16101711	9CT1	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Fairfield	16101711	9CT1	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Fairfield	9795711	DXR	22-65-008-005	0.00005	0.00015	0.0016	0	0	0
Fairfield	9795711	DXR	22-67-008-005	0.00001	0.00001	0.00016	0	0	0
Fairfield	9795711	DXR	22-68-008-005	0	0.00001	0.00012	0	0	0
Fairfield	9795711	DXR	22-70-008-005	0.00026	0.00072	0.00761	0.00002	0.00002	0.00002
Fairfield	9795711	DXR	22-75-001-000	0.59489	1.22274	1.42141	0.07627	0.07444	0.11547
Fairfield	9795711	DXR	22-75-020-000	0.00308	0.00929	0.01119	0.00054	0.00053	0.00089
Fairfield	9795711	DXR	22-75-050-011	1.70205	0.73523	135.893	2.67737	1.84738	0.11311
Fairfield	9795711	DXR	22-75-050-012	3.0179	1.41704	41.9187	1.03604	1.01118	0.32205
Fairfield	9795711	DXR	22-75-060-011	0.02886	0.02523	4.54387	0.09629	0.0665	0.00248
Fairfield	9795711	DXR	22-75-060-012	0.58412	0.44607	2.09023	0.34598	0.33769	0.09355
Fairfield	9795811	BDR	22-65-008-005	0.00017	0.00049	0.00481	0.00001	0.00001	0.00001
Fairfield	9795811	BDR	22-67-008-005	0.00002	0.00005	0.00047	0	0	0
Fairfield	9795811	BDR	22-68-008-005	0.00001	0.00004	0.00037	0	0	0
Fairfield	9795811	BDR	22-70-008-005	0.00079	0.00234	0.02289	0.00007	0.00007	0.00007
Fairfield	9795811	BDR	22-75-001-000	0.6465	1.32883	1.54472	0.08289	0.0809	0.12549

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Fairfield	9795811	BDR	22-75-050-011	1.51162	0.65297	120.689	2.37782	1.64069	0.10046
Fairfield	9795811	BDR	22-75-050-012	2.68025	1.2585	37.2287	0.92013	0.89804	0.28602
Fairfield	9795811	BDR	22-75-060-011	0.0276	0.01996	3.73004	0.07597	0.05263	0.0022
Fairfield	9795811	BDR	22-75-060-012	0.47957	0.35758	1.70304	0.27437	0.2678	0.07516
Fairfield	**All**	**All**	**All**	**12.52936**	**8.06485**	**368.34565**	**8.39623**	**6.69894**	**1.37046**
Hartford	11013811	0CT3	22-75-050-012	0.00241	0.00113	0.03352	0.00083	0.00081	0.00026
Hartford	11285611	9B8	22-75-050-011	0.04063	0.01755	3.24378	0.06391	0.0441	0.0027
Hartford	11315311	CT14	22-75-050-011	0.00376	0.00163	0.30035	0.00592	0.00408	0.00025
Hartford	11315611	CT19	22-75-050-011	0.0015	0.00065	0.12014	0.00237	0.00163	0.0001
Hartford	11517511	0CT5	22-75-050-012	0.02965	0.01392	0.41181	0.01018	0.00993	0.00316
Hartford	11517711	0CT9	22-75-050-012	0.56745	0.26644	7.88187	0.1948	0.19013	0.06055
Hartford	11649711	7B6	22-75-050-011	0.81632	0.35263	65.176	1.2841	0.88603	0.05425
Hartford	11649711	7B6	22-75-050-012	1.44792	0.67987	20.1117	0.49707	0.48514	0.15451
Hartford	11649711	7B6	22-75-060-011	0.00212	0.00198	0.35163	0.00754	0.0052	0.00019
Hartford	11649711	7B6	22-75-060-012	0.03772	0.02908	0.13542	0.02262	0.02208	0.00609
Hartford	11949311	23CT	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Hartford	11949311	23CT	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Hartford	12289111	CT02	22-75-050-012	0.01551	0.00728	0.21548	0.00533	0.0052	0.00166
Hartford	12289211	CT03	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Hartford	12289311	CT05	22-75-050-012	0.13514	0.06345	1.87709	0.04639	0.04528	0.01442
Hartford	12306211	CT60	22-75-050-011	0.00015	0.00007	0.01201	0.00024	0.00016	0.00001
Hartford	12306311	CT62	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Hartford	12306311	CT62	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Hartford	12306511	CT71	22-75-050-012	0.07998	0.03755	1.11093	0.02746	0.0268	0.00853
Hartford	12306611	CT73	22-75-050-011	0.00376	0.00163	0.30035	0.00592	0.00408	0.00025
Hartford	12306811	CT75	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Hartford	12307411	CT85	22-75-050-011	0.00376	0.00163	0.30035	0.00592	0.00408	0.00025

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	12307711	CT88	22-75-050-012	0.03861	0.01813	0.53631	0.01326	0.01294	0.00412
Hartford	12308511	CT96	22-75-050-011	0.01174	0.00507	0.93709	0.01846	0.01274	0.00078
Hartford	9792311	HFD	22-65-008-005	0.00005	0.00013	0.0016	0	0	0
Hartford	9792311	HFD	22-67-008-005	0.00001	0.00001	0.00016	0	0	0
Hartford	9792311	HFD	22-68-008-005	0	0.00001	0.00012	0	0	0
Hartford	9792311	HFD	22-70-008-005	0.00025	0.00063	0.00759	0.00001	0.00001	0.00002
Hartford	9792311	HFD	22-75-001-000	0.7796	1.60241	1.86276	0.09995	0.09755	0.15133
Hartford	9792311	HFD	22-75-050-011	1.56627	0.67658	125.052	2.46379	1.70001	0.10409
Hartford	9792311	HFD	22-75-050-012	2.77715	1.304	38.5748	0.95339	0.93051	0.29636
Hartford	9792311	HFD	22-75-060-011	0.00939	0.00792	1.43542	0.03021	0.02088	0.0008
Hartford	9792311	HFD	22-75-060-012	0.18801	0.14058	0.66737	0.10849	0.10589	0.02953
Hartford	9792411	BDL	22-65-008-005	1.11188	3.46267	33.1033	0.12623	0.12008	0.10773
Hartford	9792411	BDL	22-67-008-005	0.10922	0.34015	3.25183	0.0124	0.0118	0.01058
Hartford	9792411	BDL	22-68-008-005	0.08637	0.26899	2.57153	0.00981	0.00933	0.00837
Hartford	9792411	BDL	22-70-008-005	5.28659	16.4637	157.394	0.60017	0.57095	0.51219
Hartford	9792411	BDL	22-75-001-000	7.23917	14.8795	17.297	0.92813	0.90586	1.40516
Hartford	9792411	BDL	22-75-020-000	70.72899	367.37201	381.78003	7.16387	7.16387	43.70384
Hartford	9792411	BDL	22-75-050-011	0.00376	0.00163	0.30035	0.00592	0.00408	0.00025
Hartford	9792411	BDL	22-75-050-012	3.64991	13.99921	44.13535	0.62454	0.61871	2.50894
Hartford	9792411	BDL	22-75-060-011	0.00424	0.00395	0.70325	0.01508	0.01041	0.00038
Hartford	9792411	BDL	22-75-060-012	18.74695	6.15767	57.11761	2.10322	2.06425	1.47906
Hartford	9792411	BDL	22-75-070-000	0.8621	9.3563	11.12112	1.32902	1.32902	1.37019
Hartford	9792511	4B9	22-75-050-011	0.34446	0.1488	27.5021	0.54185	0.37388	0.02289
Hartford	9792511	4B9	22-75-050-012	0.61077	0.28678	8.48355	0.20968	0.20464	0.06518
Hartford	9792511	4B9	22-75-060-011	0.00069	0.00065	0.11498	0.00247	0.0017	0.00006
Hartford	9792511	4B9	22-75-060-012	0.01475	0.01137	0.05295	0.00885	0.00863	0.00238
Hartford	9792611	4B8	22-75-001-000	0.1494	0.30708	0.35697	0.01915	0.01869	0.029

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	9792611	4B8	22-75-050-011	0.55466	0.2396	44.285	0.8725	0.60203	0.03686
Hartford	9792611	4B8	22-75-050-012	0.98348	0.46179	13.6605	0.33763	0.32952	0.10495
Hartford	9792611	4B8	22-75-060-011	0.00555	0.00517	0.91985	0.01973	0.01361	0.00049
Hartford	9792611	4B8	22-75-060-012	0.11799	0.09095	0.42358	0.07077	0.06907	0.01906
Hartford	**All**	**All**	**All**	**119.21803**	**439.11242**	**1,076.08**	**20.88903**	**19.0636**	**52.28679**
Litchfield	10946911	04CT	22-75-050-012	0.00689	0.00324	0.09577	0.00237	0.00231	0.00074
Litchfield	10958911	08CT	22-75-050-011	0.00008	0.00003	0.00601	0.00012	0.00008	0.00001
Litchfield	10995811	11N	22-75-050-011	0.07787	0.03364	6.21724	0.12249	0.08452	0.00518
Litchfield	11116611	33CT	22-75-050-011	0.00008	0.00003	0.00601	0.00012	0.00008	0.00001
Litchfield	11193711	5CT5	22-75-050-011	0.00008	0.00003	0.00601	0.00012	0.00008	0.00001
Litchfield	11315811	CT24	22-75-050-011	0.12068	0.05213	9.63523	0.18983	0.13099	0.00802
Litchfield	11315811	CT24	22-75-050-012	0.06757	0.03173	0.93855	0.0232	0.02264	0.00721
Litchfield	11316211	CT42	22-75-050-011	0.00023	0.0001	0.01802	0.00036	0.00024	0.00002
Litchfield	11316711	CT66	22-75-050-011	0.01535	0.00663	1.22543	0.02414	0.01666	0.00102
Litchfield	11517211	0CT0	22-75-050-012	0.00965	0.00453	0.13408	0.00331	0.00323	0.00103
Litchfield	11778911	6Y2	22-75-050-012	0.01379	0.00647	0.19154	0.00473	0.00462	0.00147
Litchfield	12289011	CT01	22-75-050-011	0.06771	0.02925	5.4063	0.10652	0.0735	0.0045
Litchfield	12305411	CT51	22-75-050-011	0.00008	0.00003	0.00601	0.00012	0.00008	0.00001
Litchfield	12306111	CT59	22-75-050-011	0.00629	0.00272	0.50242	0.0099	0.00683	0.00042
Litchfield	12470011	N41	22-75-050-011	0.22421	0.09685	17.9009	0.35268	0.24335	0.0149
Litchfield	**All**	**All**	**All**	**0.61054**	**0.26742**	**42.28951**	**0.84**	**0.58922**	**0.04452**
Middlesex	11013911	0CT6	22-75-050-012	0.00345	0.00162	0.04789	0.00118	0.00116	0.00037
Middlesex	11146011	42B	22-75-050-011	0.16816	0.07264	13.4262	0.26452	0.18252	0.01118
Middlesex	11146011	42B	22-75-050-012	0.29817	0.14	4.14157	0.10236	0.0999	0.03182
Middlesex	11146011	42B	22-75-060-011	0.00028	0.00026	0.04599	0.00099	0.00068	0.00002
Middlesex	11146011	42B	22-75-060-012	0.0059	0.00455	0.02118	0.00354	0.00345	0.00095
Middlesex	12289611	CT11	22-75-050-011	0.01881	0.00813	1.50175	0.02959	0.02042	0.00125

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Middlesex	12291111	CT39	22-75-050-011	0.00451	0.00195	0.36042	0.0071	0.0049	0.0003
Middlesex	12308111	CT92	22-75-050-012	0.00414	0.00194	0.05746	0.00142	0.00139	0.00044
Middlesex	12308611	CT97	22-75-050-012	0.01276	0.00599	0.17718	0.00438	0.00427	0.00136
Middlesex	12308711	CT98	22-75-050-012	0.01034	0.00486	0.14366	0.00355	0.00347	0.0011
Middlesex	9790011	SNC	22-75-050-011	0.34419	0.14868	27.4805	0.54142	0.37358	0.02287
Middlesex	9790011	SNC	22-75-050-012	0.61028	0.28656	8.47687	0.20951	0.20448	0.06513
Middlesex	9790011	SNC	22-75-060-011	0.02901	0.02701	4.80929	0.10315	0.07117	0.00256
Middlesex	9790011	SNC	22-75-060-012	0.61689	0.47552	2.21462	0.37001	0.36113	0.09965
Middlesex	**All**	**All**	**All**	**2.12689**	**1.1797**	**62.90457**	**1.64272**	**1.33252**	**0.23901**
New Haven	11019011	1CT2	22-75-050-012	0.0855	0.04014	1.18755	0.02935	0.02865	0.00912
New Haven	11019111	1CT3	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
New Haven	11160811	4C3	22-75-050-011	0.03762	0.01625	3.0035	0.05918	0.04083	0.0025
New Haven	11160811	4C3	22-75-050-012	0.17237	0.08094	2.39425	0.05918	0.05775	0.01839
New Haven	11517311	0CT1	22-75-050-012	0.10653	0.05002	1.47965	0.03657	0.03569	0.01137
New Haven	11847011	5CT1	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
New Haven	11847011	5CT1	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
New Haven	12290711	CT34	22-75-050-012	0.00069	0.00032	0.00958	0.00024	0.00023	0.00007
New Haven	12308411	CT95	22-75-050-012	0.00758	0.00356	0.10535	0.0026	0.00254	0.00081
New Haven	9785011	OXC	22-65-008-005	0.00048	0.00125	0.01438	0.00003	0.00003	0.00004
New Haven	9785011	OXC	22-67-008-005	0.00005	0.00012	0.00141	0	0	0
New Haven	9785011	OXC	22-68-008-005	0.00004	0.0001	0.00112	0	0	0
New Haven	9785011	OXC	22-70-008-005	0.00227	0.00595	0.06836	0.00015	0.00014	0.0002
New Haven	9785011	OXC	22-75-001-000	3.73503	7.67705	8.92435	0.47887	0.46737	0.72499
New Haven	9785011	OXC	22-75-020-000	0.00925	0.02786	0.03358	0.00162	0.00158	0.00267
New Haven	9785011	OXC	22-75-050-011	1.01597	0.43887	81.1162	1.59815	1.10272	0.06752
New Haven	9785011	OXC	22-75-050-012	1.80254	0.84774	25.02308	0.61837	0.60353	0.19252
New Haven	9785011	OXC	22-75-060-011	0.04623	0.04223	7.54359	0.16121	0.11126	0.00405

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New Haven	9785011	OXC	22-75-060-012	1.01354	0.75522	3.58678	0.57242	0.55874	0.15786
New Haven	9785011	OXC	22-75-070-000	0.00002	0.00015	0.00021	0.00003	0.00003	0.00003
New Haven	9785211	MMK	22-75-001-000	0.0489	0.1005	0.11683	0.00627	0.00612	0.00949
New Haven	9785211	MMK	22-75-050-011	0.43473	0.18779	34.709	0.68384	0.47185	0.02889
New Haven	9785211	MMK	22-75-050-012	0.77082	0.36193	10.7066	0.26462	0.25827	0.08226
New Haven	9785211	MMK	22-75-060-011	0.00166	0.00155	0.27596	0.00592	0.00408	0.00015
New Haven	9785211	MMK	22-75-060-012	0.0354	0.02728	0.12707	0.02123	0.02072	0.00572
New Haven	9785311	HVN	22-65-008-005	0.02172	0.0684	0.64269	0.00294	0.0028	0.00222
New Haven	9785311	HVN	22-67-008-005	0.00213	0.00672	0.06313	0.00029	0.00028	0.00022
New Haven	9785311	HVN	22-68-008-005	0.00169	0.00531	0.04993	0.00023	0.00022	0.00017
New Haven	9785311	HVN	22-70-008-005	0.10326	0.32521	3.05573	0.01398	0.01333	0.01057
New Haven	9785311	HVN	22-75-001-000	1.43697	2.95357	3.43344	0.18423	0.17981	0.27892
New Haven	9785311	HVN	22-75-020-000	0.01849	0.05573	0.06715	0.00323	0.00315	0.00535
New Haven	9785311	HVN	22-75-050-011	0.7126	0.30782	56.8948	1.12094	0.77345	0.04736
New Haven	9785311	HVN	22-75-050-012	1.26436	0.59867	17.55599	0.43378	0.42337	0.13576
New Haven	9785311	HVN	22-75-060-011	0.04923	0.04126	7.3612	0.15666	0.10818	0.00407
New Haven	9785311	HVN	22-75-060-012	0.34002	1.97119	6.30895	0.21519	0.21075	0.38966
New Haven	**All**	**All**	**All**	**13.30177**	**17.01197**	**276.28556**	**6.74124**	**5.49659**	**2.19547**
New London	11003211	14CT	22-75-050-012	0.01724	0.00809	0.23943	0.00592	0.00578	0.00184
New London	11314911	CT07	22-75-050-011	0.00045	0.0002	0.03604	0.00071	0.00049	0.00003
New London	11315911	CT32	22-75-050-011	0.00158	0.00068	0.12615	0.00249	0.00171	0.00011
New London	11847311	5CT7	22-75-050-011	0.00451	0.00195	0.36042	0.0071	0.0049	0.0003
New London	11962811	24CT	22-75-050-011	0.00008	0.00003	0.00601	0.00012	0.00008	0.00001
New London	12289711	CT16	22-75-050-011	0.00023	0.0001	0.01802	0.00036	0.00024	0.00002
New London	12304811	CT43	22-75-050-011	0.00263	0.00114	0.21025	0.00414	0.00286	0.00018
New London	12308211	CT93	22-75-050-012	0.17341	0.08142	2.40862	0.05953	0.0581	0.0185
New London	16081511	69CT	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New London	16081511	69CT	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
New London	9810511	GON	22-65-008-005	0.0001	0.00031	0.00304	0.00001	0.00001	0.00001
New London	9810511	GON	22-67-008-005	0.00001	0.00003	0.0003	0	0	0
New London	9810511	GON	22-68-008-005	0.00001	0.00002	0.00024	0	0	0
New London	9810511	GON	22-70-008-005	0.00049	0.00145	0.01444	0.00005	0.00005	0.00004
New London	9810511	GON	22-75-001-000	7.73627	15.9013	18.4848	0.99186	0.96806	1.50165
New London	9810511	GON	22-75-020-000	0.00228	0.01216	0.01134	0.00057	0.00057	0.00151
New London	9810511	GON	22-75-050-011	0.81605	0.35251	65.1541	1.28367	0.88573	0.05423
New London	9810511	GON	22-75-050-012	1.44694	0.6794	20.098	0.49673	0.48481	0.15441
New London	9810511	GON	22-75-060-011	0.01414	0.01235	2.22341	0.04711	0.03254	0.00122
New London	9810511	GON	22-75-060-012	0.28883	0.22248	1.03558	0.16804	0.16402	0.04634
New London	9810511	GON	22-75-070-000	0.00004	0.00032	0.00119	0.00006	0.00006	0.00006
New London	**All**	**All**	**All**	**10.51802**	**17.28187**	**110.6975**	**3.07451**	**2.61529**	**1.78175**
Tolland	11315011	CT09	22-75-050-011	0.00933	0.00403	0.74487	0.01468	0.01013	0.00062
Tolland	11315411	CT15	22-75-050-011	0.00083	0.00036	0.06608	0.0013	0.0009	0.00006
Tolland	11649811	7B9	22-75-050-011	0.73503	0.31751	58.6857	1.15623	0.7978	0.04885
Tolland	11649811	7B9	22-75-050-012	1.30329	0.61195	18.1027	0.44742	0.43668	0.13908
Tolland	11649811	7B9	22-75-060-011	0.00018	0.00017	0.03066	0.00066	0.00045	0.00002
Tolland	11649811	7B9	22-75-060-012	0.00393	0.00303	0.01412	0.00236	0.0023	0.00064
Tolland	12290511	CT29	22-75-050-011	0.00226	0.00098	0.18021	0.00355	0.00245	0.00015
Tolland	**All**	**All**	**All**	**2.05485**	**0.93803**	**77.82434**	**1.62619**	**1.2507**	**0.1894**
Windham	11305211	C44	22-75-050-012	0.00172	0.00081	0.02394	0.00059	0.00058	0.00018
Windham	11517411	0CT2	22-75-050-012	0.02137	0.01004	0.29689	0.00734	0.00716	0.00228
Windham	11580211	64CT	22-75-050-011	0.05643	0.02438	4.50525	0.08876	0.06125	0.00375
Windham	11847211	5CT6	22-75-050-011	0.00903	0.0039	0.72084	0.0142	0.0098	0.0006
Windham	12289511	CT10	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Windham	12289511	CT10	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121

County	EIS Facility ID	FAA Location ID	SCC	Annual Emissions [TPY]					
				VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Windham	12306711	CT74	22-75-050-011	0.00023	0.0001	0.01802	0.00036	0.00024	0.00002
Windham	16101611	31CT	22-75-050-011	0.00135	0.00059	0.10813	0.00213	0.00147	0.00009
Windham	16101611	31CT	22-75-050-012	0.01138	0.00534	0.15802	0.00391	0.00381	0.00121
Windham	9808111	IJD	22-75-001-000	0.54328	1.11666	1.29809	0.06965	0.06798	0.10545
Windham	9808111	IJD	22-75-050-011	0.3743	0.16168	29.8842	0.58878	0.40626	0.02487
Windham	9808111	IJD	22-75-050-012	0.66367	0.31162	9.21834	0.22784	0.22237	0.07082
Windham	9808111	IJD	22-75-060-011	0.00231	0.00215	0.38327	0.00822	0.00567	0.0002
Windham	9808111	IJD	22-75-060-012	0.04916	0.0379	0.17649	0.02949	0.02878	0.00794
Windham	9808211	LZD	22-65-008-005	0.00002	0.00004	0.00053	0	0	0
Windham	9808211	LZD	22-67-008-005	0	0	0.00005	0	0	0
Windham	9808211	LZD	22-68-008-005	0	0	0.00004	0	0	0
Windham	9808211	LZD	22-70-008-005	0.00008	0.00021	0.00253	0	0	0.00001
Windham	9808211	LZD	22-75-001-000	0.08149	0.1675	0.19471	0.01045	0.0102	0.01582
Windham	9808211	LZD	22-75-050-011	0.59671	0.25776	47.6415	0.93863	0.64766	0.03966
Windham	9808211	LZD	22-75-050-012	1.05802	0.49679	14.6959	0.36322	0.3545	0.1129
Windham	9808211	LZD	22-75-060-011	0.00067	0.00062	0.11038	0.00237	0.00163	0.00006
Windham	9808211	LZD	22-75-060-012	0.01619	0.01103	0.05561	0.00829	0.00809	0.00233
Windham	**All**	**All**	**All**	**3.50014**	**2.61504**	**109.75889**	**2.37025**	**1.84273**	**0.38951**
State Total	**All**	**All**	**All**	**163.85963**	**486.47136**	**2124.1869**	**45.5803**	**38.88954**	**58.49691**

Table G-20: Aircraft Summer Season Allocation Factors

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Fairfield	11014011	0CT7	BRIDGEPORT HOSPITAL	22-75-050-012	General Aviation Turbine	0.16	Survey
Fairfield	11517611	0CT8	DANBURY HOSPITAL	22-75-050-012	General Aviation Turbine	0.06	Survey
Fairfield	11847111	5CT4	NORWALK HOSPITAL	22-75-050-012	General Aviation Turbine	0.18	Survey
Fairfield	11193811	5CT8	CANAL STREET	22-75-050-011	General Aviation Piston	0.53	Survey
Fairfield	11193811	5CT8	CANAL STREET	22-75-050-012	General Aviation Turbine	0.53	Survey
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-011	General Aviation Piston	0.38	Survey
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-012	General Aviation Turbine	0.38	Survey
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-65-008-005	Airport Ground Support Equipment	0.317	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-67-008-005	Airport Ground Support Equipment	0.317	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-68-008-005	Airport Ground Support Equipment	0.317	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-70-008-005	Airport Ground Support Equipment	0.317	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-75-001-000	Military Aircraft Total	0.105	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-75-020-000	Commercial Aircraft Total: All Types	0	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-75-050-011	General Aviation Piston	0.319	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-75-050-012	General Aviation Turbine	0.319	ATADS

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-75-060-011	Air Taxi Piston	0.317	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-75-060-012	Air Taxi Turbine	0.317	ATADS
Fairfield	9795811	BDR	Bridgeport/Sikorsky Mem	22-75-070-000	Aircraft Auxiliary Power Units Total	0.317	ATADS
Fairfield	11315111	CT12	MEDICAL CENTER	22-75-050-012	General Aviation Turbine	0.26	Survey
Fairfield	12291011	CT37	SIKORSKY BRIDGEPORT	22-75-050-011	General Aviation Piston	0.27	Survey
Fairfield	12291011	CT37	SIKORSKY BRIDGEPORT	22-75-050-012	General Aviation Turbine	0.31	Survey
Fairfield	11316111	CT41	GENERAL ELECTRIC	22-75-050-011	General Aviation Piston	0.38	Survey
Fairfield	11316111	CT41	GENERAL ELECTRIC	22-75-050-012	General Aviation Turbine	0.21	Survey
Fairfield	12305511	CT52	FLYING RIDGE AIRSTRIP	22-75-050-011	General Aviation Piston	0.5	Survey
Fairfield	12308011	CT91	USSC	22-75-050-011	General Aviation Piston	1	Survey
Fairfield	12308011	CT91	USSC	22-75-050-012	General Aviation Turbine	1	Survey
Fairfield	9795711	DXR	Danbury Municipal	22-65-008-005	Airport Ground Support Equipment	0.404	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-67-008-005	Airport Ground Support Equipment	0.404	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-68-008-005	Airport Ground Support Equipment	0.404	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-70-008-005	Airport Ground Support Equipment	0.404	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-001-000	Military Aircraft Total	0.046	ATADS

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Fairfield	9795711	DXR	Danbury Municipal	22-75-020-000	Commercial Aircraft Total: All Types	0	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-050-011	General Aviation Piston	0.328	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-050-012	General Aviation Turbine	0.328	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-060-011	Air Taxi Piston	0.404	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-060-012	Air Taxi Turbine	0.404	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-070-000	Aircraft Auxiliary Power Units Total	0.404	ATADS
Fairfield	12395011	JSD	SIKORSKY	22-75-050-012	General Aviation Turbine	0.26	Survey
Hartford	11013811	0CT3	N B G H	22-75-050-012	General Aviation Turbine	0	Survey
Hartford	11517511	0CT5	ST FRANCIS HOSPITAL	22-75-050-012	General Aviation Turbine	0.19	Survey
Hartford	11517711	0CT9	HARTFORD HOSPITAL	22-75-050-012	General Aviation Turbine	0.29	Survey
Hartford	11949311	23CT	BLANCHETTE	22-75-050-011	General Aviation Piston	0.75	Survey
Hartford	11949311	23CT	BLANCHETTE	22-75-050-012	General Aviation Turbine	0.75	Survey
Hartford	9792611	4B8	Robertson Field	22-65-008-005	Airport Ground Support Equipment	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-67-008-005	Airport Ground Support Equipment	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-68-008-005	Airport Ground Support Equipment	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-70-008-005	Airport Ground Support Equipment	0.25	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Hartford	9792611	4B8	Robertson Field	22-75-001-000	Military Aircraft Total	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-75-050-011	General Aviation Piston	0.31	Survey
Hartford	9792611	4B8	Robertson Field	22-75-050-012	General Aviation Turbine	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-75-060-011	Air Taxi Piston	0.25	Survey
Hartford	9792611	4B8	Robertson Field	22-75-060-012	Air Taxi Turbine	0.25	Survey
Hartford	9792511	4B9	Simsbury	22-65-008-005	Airport Ground Support Equipment	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-67-008-005	Airport Ground Support Equipment	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-68-008-005	Airport Ground Support Equipment	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-70-008-005	Airport Ground Support Equipment	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-75-050-011	General Aviation Piston	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-75-050-012	General Aviation Turbine	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-75-060-011	Air Taxi Piston	0.37	Survey
Hartford	9792511	4B9	Simsbury	22-75-060-012	Air Taxi Turbine	0.37	Survey
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-011	General Aviation Piston	0.5	Survey
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-012	General Aviation Turbine	0.5	Survey
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-011	Air Taxi Piston	0.5	Survey
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-012	Air Taxi Turbine	0.5	Survey
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-050-011	General Aviation Piston	0.65	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-050-012	General Aviation Turbine	0.65	Survey
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-65-008-005	Airport Ground Support Equipment	0.259	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-67-008-005	Airport Ground Support Equipment	0.259	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-68-008-005	Airport Ground Support Equipment	0.259	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-70-008-005	Airport Ground Support Equipment	0.259	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-75-001-000	Military Aircraft Total	0.292	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-75-020-000	Commercial Aircraft Total: All Types	0.259	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-75-050-011	General Aviation Piston	0.252	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-75-050-012	General Aviation Turbine	0.252	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-75-060-011	Air Taxi Piston	0.261	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-75-060-012	Air Taxi Turbine	0.261	ATADS
Hartford	9792411	BDL	Windsor Locks/Bradley Intl	22-75-070-000	Aircraft Auxiliary Power Units Total	0.259	ATADS
Hartford	12289111	CT02	CLARK HILL	22-75-050-011	General Aviation Piston	0.31	Survey
Hartford	12289111	CT02	CLARK HILL	22-75-050-012	General Aviation Turbine	1	Survey
Hartford	12289211	CT03	BRISTOL HOSPITAL	22-75-050-012	General Aviation Turbine	0.42	Survey
Hartford	12289311	CT05	KAMAN AEROSPACE CORP	22-75-050-011	General Aviation Piston	0.23	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Hartford	12289311	CT05	KAMAN AEROSPACE CORP	22-75-050-012	General Aviation Turbine	0.23	Survey
Hartford	11315311	CT14	BANCROFT	22-75-050-011	General Aviation Piston	0.5	Survey
Hartford	11315611	CT19	LAURIE FIELD	22-75-050-011	General Aviation Piston	0.55	Survey
Hartford	12306211	CT60	ULTIMATE	22-75-050-011	General Aviation Piston	0.5	Survey
Hartford	12306211	CT60	ULTIMATE	22-75-050-012	General Aviation Turbine	0.5	Survey
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-011	General Aviation Piston	0.38	Survey
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-012	General Aviation Turbine	0.38	Survey
Hartford	12306511	CT71	OTIS HELISTOP DIVISION OF UTC	22-75-050-011	General Aviation Piston	0.2	Survey
Hartford	12306511	CT71	OTIS HELISTOP DIVISION OF UTC	22-75-050-012	General Aviation Turbine	0.2	Survey
Hartford	12306611	CT73	SOUTH MEADOWS	22-75-050-011	General Aviation Piston	0.18	Survey
Hartford	12306611	CT73	SOUTH MEADOWS	22-75-050-012	General Aviation Turbine	0.18	Survey
Hartford	12306811	CT75	HURLBRINK	22-75-050-012	General Aviation Turbine	0.11	Survey
Hartford	12307411	CT85	ROBERTS FARM	22-75-050-011	General Aviation Piston	0.6	Survey
Hartford	12307711	CT88	RENTSCHLER	22-75-050-011	General Aviation Piston	0.27	Survey
Hartford	12307711	CT88	RENTSCHLER	22-75-050-012	General Aviation Turbine	0.27	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Hartford	12308511	CT96	GREEN ACRES	22-75-050-011	General Aviation Piston	0.23	Survey
Hartford	9792311	HFD	Hartford-Brainard	22-65-008-005	Airport Ground Support Equipment	0.295	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-67-008-005	Airport Ground Support Equipment	0.295	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-68-008-005	Airport Ground Support Equipment	0.295	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-70-008-005	Airport Ground Support Equipment	0.295	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-001-000	Military Aircraft Total	0.157	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-020-000	Commercial Aircraft Total: All Types	0	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-011	General Aviation Piston	0.339	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-012	General Aviation Turbine	0.339	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-011	Air Taxi Piston	0.295	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-012	Air Taxi Turbine	0.295	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-070-000	Aircraft Auxiliary Power Units Total	0.295	ATADS
Litchfield	10946911	04CT	SHINGLE MILL	22-75-050-011	General Aviation Piston	0.3	Survey
Litchfield	10946911	04CT	SHINGLE MILL	22-75-050-012	General Aviation Turbine	0.3	Survey
Litchfield	10958911	08CT	SEAVAIR'S LANDING	22-75-050-011	General Aviation Piston	0.53	Survey
Litchfield	11517211	0CT0	SHARON HOSPITAL	22-75-050-012	General Aviation Turbine	0.29	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-050-011	General Aviation Piston	0.71	Survey
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-050-012	General Aviation Turbine	0.7	Survey
Litchfield	11116611	33CT	IRISH HILLS FARMS	22-75-050-011	General Aviation Piston	0.38	Survey
Litchfield	11193711	5CT5	THOMSON FIELD	22-75-050-011	General Aviation Piston	0.38	Survey
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-050-011	General Aviation Piston	0.65	Survey
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-050-012	General Aviation Turbine	0.65	Survey
Litchfield	12289011	CT01	WHELAN FARMS	22-75-050-011	General Aviation Piston	0.38	Survey
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-011	General Aviation Piston	0.5	Survey
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-012	General Aviation Turbine	0.5	Survey
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-050-011	General Aviation Piston	1	Survey
Litchfield	12305411	CT51	DOCKTORS FIELD	22-75-050-011	General Aviation Piston	1	Survey
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-050-011	General Aviation Piston	0.47	Survey
Litchfield	11316711	CT66	LONG VIEW LANDING	22-75-050-011	General Aviation Piston	0.26	Survey
Litchfield	12470011	N41	WATERBURY	22-75-050-011	General Aviation Piston	0.43	Survey
Litchfield	12470011	N41	WATERBURY	22-75-050-012	General Aviation Turbine	0.4	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Middlesex	11013911	0CT6	MIDDLETOWN	22-75-050-011	General Aviation Piston	0.7	Survey
Middlesex	11013911	0CT6	MIDDLETOWN	22-75-050-012	General Aviation Turbine	0.7	Survey
Middlesex	11146011	42B	GOODSPEED	22-75-050-011	General Aviation Piston	0.4	Survey
Middlesex	11146011	42B	GOODSPEED	22-75-050-012	General Aviation Turbine	0.4	Survey
Middlesex	11146011	42B	GOODSPEED	22-75-060-011	Air Taxi Piston	0.4	Survey
Middlesex	11146011	42B	GOODSPEED	22-75-060-012	Air Taxi Turbine	0.4	Survey
Middlesex	12289611	CT11	DEVILS HOPYARD FIELD	22-75-050-011	General Aviation Piston	0.7	Survey
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-050-011	General Aviation Piston	0.5	Survey
Middlesex	12308111	CT92	BEMER	22-75-050-011	General Aviation Piston	1	Survey
Middlesex	12308111	CT92	BEMER	22-75-050-012	General Aviation Turbine	1	Survey
Middlesex	12308611	CT97	SHORELINE CLINIC	22-75-050-012	General Aviation Turbine	0.24	Survey
Middlesex	12308711	CT98	MIDDLESEX HOSPITAL	22-75-050-012	General Aviation Turbine	0.4	Survey
Middlesex	9790011	SNC	Chester	22-75-050-011	General Aviation Piston	0.41	Survey
Middlesex	9790011	SNC	Chester	22-75-050-012	General Aviation Turbine	0.3	Survey
Middlesex	9790011	SNC	Chester	22-75-060-011	Air Taxi Piston	0.41	Extend Survey
Middlesex	9790011	SNC	Chester	22-75-060-012	Air Taxi Turbine	0.3	Extend Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
New Haven	11517311	0CT1	BRISTOL-MYERS SQUIBB COMPANY	22-75-050-011	General Aviation Piston	0.39	Survey
New Haven	11517311	0CT1	BRISTOL-MYERS SQUIBB COMPANY	22-75-050-012	General Aviation Turbine	0.39	Survey
New Haven	11019011	1CT2	YALE NEW HAVEN HOSPITAL	22-75-050-012	General Aviation Turbine	0.24	Survey
New Haven	11019111	1CT3	ST MARY'S	22-75-050-012	General Aviation Turbine	0.47	Survey
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-011	General Aviation Piston	0.28	Survey
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-012	General Aviation Turbine	0.28	Survey
New Haven	11847011	5CT1	RONDO	22-75-050-011	General Aviation Piston	0.38	Survey
New Haven	11847011	5CT1	RONDO	22-75-050-012	General Aviation Turbine	0.38	Survey
New Haven	12290711	CT34	USSC/NORTH HAVEN	22-75-050-011	General Aviation Piston	1	Survey
New Haven	12290711	CT34	USSC/NORTH HAVEN	22-75-050-012	General Aviation Turbine	1	Survey
New Haven	12308411	CT95	MERIDEN-WALLINGFORD HOSPITAL	22-75-050-012	General Aviation Turbine	0.36	Survey
New Haven	9785311	HVN	New Haven/Tweed	22-65-008-005	Airport Ground Support Equipment	0.281	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-67-008-005	Airport Ground Support Equipment	0.281	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-68-008-005	Airport Ground Support Equipment	0.281	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-70-008-005	Airport Ground Support Equipment	0.281	ATADS

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
New Haven	9785311	HVN	New Haven/Tweed	22-75-001-000	Military Aircraft Total	0.248	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-75-020-000	Commercial Aircraft Total: All Types	0	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-75-050-011	General Aviation Piston	0.301	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-75-050-012	General Aviation Turbine	0.301	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-75-060-011	Air Taxi Piston	0.282	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-75-060-012	Air Taxi Turbine	0.282	ATADS
New Haven	9785311	HVN	New Haven/Tweed	22-75-070-000	Aircraft Auxiliary Power Units Total	0.281	ATADS
New Haven	9785211	MMK	Meriden Markham Muni	22-75-001-000	Military Aircraft Total	0.25	Survey
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-011	General Aviation Piston	0.26	Survey
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-012	General Aviation Turbine	0.26	Survey
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-011	Air Taxi Piston	0.26	Survey
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-012	Air Taxi Turbine	0.26	Survey
New Haven	9785011	OXC	Waterbury-Oxford	22-65-008-005	Airport Ground Support Equipment	0.396	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-67-008-005	Airport Ground Support Equipment	0.396	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-68-008-005	Airport Ground Support Equipment	0.396	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-70-008-005	Airport Ground Support Equipment	0.396	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-001-000	Military Aircraft Total	0.284	ATADS

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
New Haven	9785011	OXC	Waterbury-Oxford	22-75-020-000	Commercial Aircraft Total: All Types	0	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-011	General Aviation Piston	0.335	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-012	General Aviation Turbine	0.335	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-011	Air Taxi Piston	0.396	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-012	Air Taxi Turbine	0.396	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-070-000	Aircraft Auxiliary Power Units Total	0.396	ATADS
New London	11003211	14CT	MPTN HELIPORT	22-75-050-011	General Aviation Piston	0.26	Survey
New London	11003211	14CT	MPTN HELIPORT	22-75-050-012	General Aviation Turbine	0.27	Survey
New London	11962811	24CT	BEE FIELD	22-75-050-011	General Aviation Piston	0.38	Survey
New London	11847311	5CT7	MILE CREEK	22-75-050-011	General Aviation Piston	0.5	Survey
New London	16081511	69CT	THE SHORE	22-75-050-011	General Aviation Piston	0.38	Survey
New London	16081511	69CT	THE SHORE	22-75-050-012	General Aviation Turbine	0.38	Survey
New London	11314911	CT07	SKIS LANDING AREA	22-75-050-011	General Aviation Piston	0.5	Survey
New London	12289711	CT16	FETSKE	22-75-050-011	General Aviation Piston	1	Survey
New London	11315911	CT32	GALLUP FARM	22-75-050-011	General Aviation Piston	0.95	Survey
New London	12304811	CT43	SPRUCE	22-75-050-011	General Aviation Piston	0.83	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
New London	12308211	CT93	BACKUS HOSPITAL	22-75-050-012	General Aviation Turbine	0.27	Survey
New London	9810511	GON	Groton-New London	22-65-008-005	Airport Ground Support Equipment	0.434	ATADS
New London	9810511	GON	Groton-New London	22-67-008-005	Airport Ground Support Equipment	0.434	ATADS
New London	9810511	GON	Groton-New London	22-68-008-005	Airport Ground Support Equipment	0.434	ATADS
New London	9810511	GON	Groton-New London	22-70-008-005	Airport Ground Support Equipment	0.434	ATADS
New London	9810511	GON	Groton-New London	22-75-001-000	Military Aircraft Total	0.313	ATADS
New London	9810511	GON	Groton-New London	22-75-020-000	Commercial Aircraft Total: All Types	0	ATADS
New London	9810511	GON	Groton-New London	22-75-050-011	General Aviation Piston	0.321	ATADS
New London	9810511	GON	Groton-New London	22-75-050-012	General Aviation Turbine	0.321	ATADS
New London	9810511	GON	Groton-New London	22-75-060-011	Air Taxi Piston	0.434	ATADS
New London	9810511	GON	Groton-New London	22-75-060-012	Air Taxi Turbine	0.434	ATADS
New London	9810511	GON	Groton-New London	22-75-070-000	Aircraft Auxiliary Power Units Total	0.434	ATADS
Tolland	11649811	7B9	ELLINGTON	22-75-050-011	General Aviation Piston	0.31	Survey
Tolland	11649811	7B9	ELLINGTON	22-75-050-012	General Aviation Turbine	0.3	Survey
Tolland	11649811	7B9	ELLINGTON	22-75-060-011	Air Taxi Piston	0.3	Survey
Tolland	11649811	7B9	ELLINGTON	22-75-060-012	Air Taxi Turbine	0.8	Survey
Tolland	11315011	CT09	HECKLER FIELD	22-75-050-011	General Aviation Piston	0.4	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Tolland	11315411	CT15	WYSOCKI FIELD	22-75-050-011	General Aviation Piston	0	Survey
Tolland	12290511	CT29	VALLEY FARMS	22-75-050-011	General Aviation Piston	0.5	Survey
Windham	11517411	0CT2	WINDHAM HOSPITAL	22-75-050-012	General Aviation Turbine	0.26	Survey
Windham	16101611	31CT	QUIET CORNER	22-75-050-011	General Aviation Piston	0.38	Survey
Windham	16101611	31CT	QUIET CORNER	22-75-050-012	General Aviation Turbine	0.38	Survey
Windham	11847211	5CT6	BUELL FARM	22-75-050-011	General Aviation Piston	0.67	Survey
Windham	11580211	64CT	WOODSTOCK	22-75-050-011	General Aviation Piston	0.4	Survey
Windham	11305211	C44	TOUTANT	22-75-050-011	General Aviation Piston	0.4	Survey
Windham	11305211	C44	TOUTANT	22-75-050-012	General Aviation Turbine	0.4	Survey
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-011	General Aviation Piston	0.38	Survey
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-012	General Aviation Turbine	0.38	Survey
Windham	12306711	CT74	WESTFORD AIRSTRIP	22-75-050-011	General Aviation Piston	1	Survey
Windham	9808111	IJD	Windham	22-75-001-000	Military Aircraft Total	0.25	Survey
Windham	9808111	IJD	Windham	22-75-050-011	General Aviation Piston	0.4	Survey
Windham	9808111	IJD	Windham	22-75-050-012	General Aviation Turbine	0.25	Survey
Windham	9808111	IJD	Windham	22-75-060-011	Air Taxi Piston	0.25	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Windham	9808111	IJD	Windham	22-75-060-012	Air Taxi Turbine	0.25	Survey
Windham	9808211	LZD	Danielson	22-65-008-005	Airport Ground Support Equipment	0.7	Extend Survey
Windham	9808211	LZD	Danielson	22-67-008-005	Airport Ground Support Equipment	0.7	Extend Survey
Windham	9808211	LZD	Danielson	22-68-008-005	Airport Ground Support Equipment	0.7	Extend Survey
Windham	9808211	LZD	Danielson	22-70-008-005	Airport Ground Support Equipment	0.7	Extend Survey
Windham	9808211	LZD	Danielson	22-75-001-000	Military Aircraft Total	0.7	Extend Survey
Windham	9808211	LZD	Danielson	22-75-050-011	General Aviation Piston	0.7	Survey
Windham	9808211	LZD	Danielson	22-75-050-012	General Aviation Turbine	0.7	Survey
Windham	9808211	LZD	Danielson	22-75-060-011	Air Taxi Piston	0.7	Survey
Windham	9808211	LZD	Danielson	22-75-060-012	Air Taxi Turbine	0.7	Survey

Table G-21: Summer Day Emissions of Aircraft

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Summer Day Emissions [lb/day]		
					VOC	NO_X	CO
Fairfield	11014011	0CT7	BRIDGEPORT HOSPITAL	22-75-050-012	0.038	0.018	0.533
Fairfield	11193811	5CT8	CANAL STREET	22-75-050-012	0.135	0.063	1.876
Fairfield	11315111	CT12	MEDICAL CENTER	22-75-050-012	0.023	0.011	0.325
Fairfield	11316111	CT41	GENERAL ELECTRIC	22-75-050-012	0.822	0.386	11.411
Fairfield	11517611	0CT8	DANBURY HOSPITAL	22-75-050-012	0.014	0.007	0.194
Fairfield	11847111	5CT4	NORWALK HOSPITAL	22-75-050-012	0.045	0.021	0.618
Fairfield	12291011	CT37	SIKORSKY BRIDGEPORT	22-75-050-012	0.077	0.036	1.065
Fairfield	12305511	CT52	FLYING RIDGE AIRSTRIP	22-75-050-011	0.01	0.004	0.784
Fairfield	12308011	CT91	USSC	22-75-050-012	0.007	0.004	0.104
Fairfield	12395011	JSD	SIKORSKY	22-75-050-012	5.637	2.647	78.3
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-011	0.011	0.005	0.893
Fairfield	16101711	9CT1	THE TOWERS	22-75-050-012	0.094	0.044	1.305
Fairfield	9795711	DXR	Danbury Muni	22-65-008-005	0	0.001	0.014
Fairfield	9795711	DXR	Danbury Muni	22-67-008-005	0	0	0.001
Fairfield	9795711	DXR	Danbury Muni	22-68-008-005	0	0	0.001
Fairfield	9795711	DXR	Danbury Muni	22-70-008-005	0.002	0.006	0.067
Fairfield	9795711	DXR	Danbury Muni	22-75-001-000	0.591	1.214	1.411
Fairfield	9795711	DXR	Danbury Muni	22-75-020-000	0	0	0
Fairfield	9795711	DXR	Danbury Muni	22-75-050-011	12.135	5.242	968.883
Fairfield	9795711	DXR	Danbury Muni	22-75-050-012	21.517	10.103	298.87
Fairfield	9795711	DXR	Danbury Muni	22-75-060-011	0.254	0.222	39.935
Fairfield	9795711	DXR	Danbury Muni	22-75-060-012	5.134	3.92	18.371
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-65-008-005	0.001	0.003	0.033
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-67-008-005	0	0	0.003
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-68-008-005	0	0	0.003
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-70-008-005	0.005	0.016	0.158
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-001-000	1.476	3.034	3.527

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Summer Day Emissions [lb/day]		
					VOC	NO_X	CO
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-011	10.496	4.534	838.011
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-012	18.61	8.738	258.5
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-011	0.19	0.137	25.697
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-012	3.304	2.463	11.733
Fairfield	**All**	**All**	**All**	**All**	**80.63**	**42.882**	**2,562.63**
Hartford	11013811	0CT3	N B G H	22-75-050-012	0	0	0
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-050-011	0.574	0.248	45.836
Hartford	11315311	CT14	BANCROFT	22-75-050-011	0.041	0.018	3.265
Hartford	11315611	CT19	LAURIE FIELD	22-75-050-011	0.018	0.008	1.436
Hartford	11517511	0CT5	ST FRANCIS HOSPITAL	22-75-050-012	0.122	0.057	1.701
Hartford	11517711	0CT9	HARTFORD HOSPITAL	22-75-050-012	3.577	1.68	49.69
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-011	8.873	3.833	708.435
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-012	15.738	7.39	218.605
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-011	0.023	0.021	3.822
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-060-012	0.41	0.316	1.472
Hartford	11949311	23CT	BLANCHETTE	22-75-050-011	0.022	0.01	1.763
Hartford	11949311	23CT	BLANCHETTE	22-75-050-012	0.185	0.087	2.576
Hartford	12289111	CT02	CLARK HILL	22-75-050-012	0.337	0.158	4.684
Hartford	12289211	CT03	BRISTOL HOSPITAL	22-75-050-012	0.104	0.049	1.443
Hartford	12289311	CT05	KAMAN AEROSPACE CORP	22-75-050-012	0.676	0.317	9.385
Hartford	12306211	CT60	ULTIMATE	22-75-050-011	0.002	0.001	0.131
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-011	0.011	0.005	0.893
Hartford	12306311	CT62	TWIN MANUFACTURING COMPANY	22-75-050-012	0.094	0.044	1.305
Hartford	12306511	CT71	OTIS HELISTOP DIVISION OF UTC	22-75-050-012	0.348	0.163	4.83
Hartford	12306611	CT73	SOUTH MEADOWS	22-75-050-011	0.015	0.006	1.175
Hartford	12306811	CT75	HURLBRINK	22-75-050-012	0.027	0.013	0.378
Hartford	12307411	CT85	ROBERTS FARM	22-75-050-011	0.049	0.021	3.918

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Summer Day Emissions [lb/day]		
					VOC	NO_X	CO
Hartford	12307711	CT88	RENTSCHLER	22-75-050-012	0.227	0.106	3.148
Hartford	12308511	CT96	GREEN ACRES	22-75-050-011	0.059	0.025	4.685
Hartford	9792311	HFD	Hartford-Brainard	22-65-008-005	0	0.001	0.01
Hartford	9792311	HFD	Hartford-Brainard	22-67-008-005	0	0	0.001
Hartford	9792311	HFD	Hartford-Brainard	22-68-008-005	0	0	0.001
Hartford	9792311	HFD	Hartford-Brainard	22-70-008-005	0.002	0.004	0.049
Hartford	9792311	HFD	Hartford-Brainard	22-75-001-000	2.657	5.462	6.349
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-011	11.547	4.988	921.897
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-012	20.473	9.613	284.378
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-011	0.06	0.051	9.21
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-012	1.206	0.902	4.282
Hartford	9792411	BDL	Bradley Intl	22-65-008-005	6.271	19.529	186.7
Hartford	9792411	BDL	Bradley Intl	22-67-008-005	0.616	1.918	18.34
Hartford	9792411	BDL	Bradley Intl	22-68-008-005	0.487	1.517	14.503
Hartford	9792411	BDL	Bradley Intl	22-70-008-005	29.816	92.854	887.688
Hartford	9792411	BDL	Bradley Intl	22-75-001-000	45.942	94.431	109.773
Hartford	9792411	BDL	Bradley Intl	22-75-020-000	397.785	2,066.13	2,147.16
Hartford	9792411	BDL	Bradley Intl	22-75-050-011	0.021	0.009	1.646
Hartford	9792411	BDL	Bradley Intl	22-75-050-012	20.003	76.722	241.882
Hartford	9792411	BDL	Bradley Intl	22-75-060-011	0.024	0.022	3.996
Hartford	9792411	BDL	Bradley Intl	22-75-060-012	106.519	34.988	324.54
Hartford	9792411	BDL	Bradley Intl	22-75-070-000	4.862	52.769	62.722
Hartford	9792511	4B9	Simsbury	22-75-050-011	2.771	1.197	221.213
Hartford	9792511	4B9	Simsbury	22-75-050-012	4.913	2.307	68.237
Hartford	9792511	4B9	Simsbury	22-75-060-011	0.006	0.005	0.925
Hartford	9792511	4B9	Simsbury	22-75-060-012	0.119	0.091	0.426
Hartford	9792611	4B8	Robertson Field	22-75-001-000	0.812	1.669	1.94

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Summer Day Emissions [lb/day]		
					VOC	NO_X	CO
Hartford	9792611	4B8	Robertson Field	22-75-050-011	3.738	1.615	298.442
Hartford	9792611	4B8	Robertson Field	22-75-050-012	5.345	2.51	74.242
Hartford	9792611	4B8	Robertson Field	22-75-060-011	0.03	0.028	4.999
Hartford	9792611	4B8	Robertson Field	22-75-060-012	0.641	0.494	2.302
Hartford	**All**	**All**	**All**	**All**	**698.199**	**2,486.40**	**6,972.43**
Litchfield	10946911	04CT	SHINGLE MILL	22-75-050-012	0.045	0.021	0.625
Litchfield	10958911	08CT	SEAVAIR S LANDING	22-75-050-011	0.001	0	0.069
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-050-011	1.202	0.519	95.962
Litchfield	11116611	33CT	IRISH HILLS FARMS	22-75-050-011	0.001	0	0.05
Litchfield	11193711	5CT5	THOMSON FIELD	22-75-050-011	0.001	0	0.05
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-011	1.312	0.567	104.731
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-012	0.734	0.345	10.202
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-050-011	0.005	0.002	0.392
Litchfield	11316711	CT66	LONG VIEW LANDING	22-75-050-011	0.087	0.037	6.926
Litchfield	11517211	0CT0	SHARON HOSPITAL	22-75-050-012	0.061	0.029	0.845
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-050-012	0.195	0.091	2.707
Litchfield	12289011	CT01	WHELAN FARMS	22-75-050-011	0.559	0.242	44.661
Litchfield	12305411	CT51	DOCKTORS FIELD	22-75-050-011	0.002	0.001	0.131
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-050-011	0.064	0.028	5.133
Litchfield	12470011	N41	WATERBURY	22-75-050-011	2.096	0.905	167.335
Litchfield	**All**	**All**	**All**	**All**	**6.364**	**2.788**	**439.816**
Middlesex	11013911	0CT6	MIDDLETOWN	22-75-050-012	0.052	0.025	0.729
Middlesex	11146011	42B	GOODSPEED	22-75-050-011	1.462	0.632	116.75
Middlesex	11146011	42B	GOODSPEED	22-75-050-012	2.593	1.217	36.014
Middlesex	11146011	42B	GOODSPEED	22-75-060-011	0.002	0.002	0.4

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Summer Day Emissions [lb/day]		
					VOC	NO_X	CO
Middlesex	11146011	42B	GOODSPEED	22-75-060-012	0.051	0.04	0.184
Middlesex	12289611	CT11	DEVILS HOPYARD FIELD	22-75-050-011	0.286	0.124	22.853
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-050-011	0.049	0.021	3.918
Middlesex	12308111	CT92	BEMER	22-75-050-012	0.09	0.042	1.249
Middlesex	12308611	CT97	SHORELINE CLINIC	22-75-050-012	0.067	0.031	0.924
Middlesex	12308711	CT98	MIDDLESEX HOSPITAL	22-75-050-012	0.09	0.042	1.249
Middlesex	9790011	SNC	Chester	22-75-050-011	3.068	1.325	244.935
Middlesex	9790011	SNC	Chester	22-75-050-012	3.98	1.869	55.284
Middlesex	9790011	SNC	Chester	22-75-060-011	0.259	0.241	42.865
Middlesex	9790011	SNC	Chester	22-75-060-012	4.023	3.101	14.443
Middlesex	**All**	**All**	**All**	**All**	**16.073**	**8.712**	**541.796**
New Haven	11019011	1CT2	YALE NEW HAVEN HOSPITAL heliport	22-75-050-012	0.446	0.209	6.196
New Haven	11019111	1CT3	ST MARY S	22-75-050-012	0.116	0.055	1.615
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-011	0.229	0.099	18.282
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-012	1.049	0.493	14.574
New Haven	11517311	0CT1	BRISTOL-MYERS SQUIBB COMPANY	22-75-050-012	0.903	0.424	12.545
New Haven	11847011	5CT1	RONDO	22-75-050-011	0.011	0.005	0.893
New Haven	11847011	5CT1	RONDO	22-75-050-012	0.094	0.044	1.305
New Haven	12290711	CT34	USSC/NORTH HAVEN	22-75-050-012	0.015	0.007	0.208
New Haven	12308411	CT95	MERIDEN-WALLINGFORD HOSPITAL	22-75-050-012	0.059	0.028	0.824
New Haven	9785011	OXC	Waterbury-Oxford	22-65-008-005	0.004	0.011	0.124
New Haven	9785011	OXC	Waterbury-Oxford	22-67-008-005	0	0.001	0.012
New Haven	9785011	OXC	Waterbury-Oxford	22-68-008-005	0	0.001	0.01
New Haven	9785011	OXC	Waterbury-Oxford	22-70-008-005	0.02	0.051	0.588
New Haven	9785011	OXC	Waterbury-Oxford	22-75-001-000	23.03	47.337	55.028
New Haven	9785011	OXC	Waterbury-Oxford	22-75-020-000	0	0	0

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Summer Day Emissions [lb/day]		
					VOC	NO_X	CO
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-011	7.402	3.198	591
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-012	13.133	6.176	182.314
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-011	0.398	0.364	64.975
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-012	8.73	6.505	30.894
New Haven	9785011	OXC	Waterbury-Oxford	22-75-070-000	0	0.001	0.002
New Haven	9785211	MMK	Meriden Markham Muni	22-75-001-000	0.266	0.546	0.635
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-011	2.457	1.061	196.181
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-012	4.357	2.046	60.516
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-011	0.009	0.009	1.56
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-012	0.2	0.154	0.718
New Haven	9785311	HVN	Tweed-New Haven	22-65-008-005	0.133	0.418	3.928
New Haven	9785311	HVN	Tweed-New Haven	22-67-008-005	0.013	0.041	0.386
New Haven	9785311	HVN	Tweed-New Haven	22-68-008-005	0.01	0.032	0.305
New Haven	9785311	HVN	Tweed-New Haven	22-70-008-005	0.631	1.987	18.675
New Haven	9785311	HVN	Tweed-New Haven	22-75-001-000	7.736	15.9	18.484
New Haven	9785311	HVN	Tweed-New Haven	22-75-020-000	0	0	0
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-011	4.659	2.012	371.952
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-012	8.266	3.914	114.773
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-011	0.302	0.253	45.1
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-012	2.083	12.077	38.654
New Haven	**All**	**All**	**All**	**All**	**86.763**	**105.46**	**1,853.26**
New London	11003211	14CT	MPTN HELIPORT	22-75-050-012	0.101	0.048	1.405
New London	11314911	CT07	SKIS LANDING AREA	22-75-050-011	0.005	0.002	0.392
New London	11315911	CT32	GALLUP FARM	22-75-050-011	0.033	0.014	2.605
New London	11847311	5CT7	MILE CREEK	22-75-050-011	0.049	0.021	3.918
New London	11962811	24CT	BEE FIELD	22-75-050-011	0.001	0	0.05
New London	12289711	CT16	FETSKE	22-75-050-011	0.005	0.002	0.392

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Summer Day Emissions [lb/day]		
					VOC	NO_X	CO
New London	12304811	CT43	SPRUCE	22-75-050-011	0.048	0.021	3.794
New London	12308211	CT93	BACKUS HOSPITAL	22-75-050-012	1.018	0.478	14.138
New London	16081511	69CT	THE SHORE	22-75-050-011	0.011	0.005	0.893
New London	16081511	69CT	THE SHORE	22-75-050-012	0.094	0.044	1.305
New London	9810511	GON	Groton-New London	22-65-008-005	0.001	0.003	0.029
New London	9810511	GON	Groton-New London	22-67-008-005	0	0	0.003
New London	9810511	GON	Groton-New London	22-68-008-005	0	0	0.002
New London	9810511	GON	Groton-New London	22-70-008-005	0.005	0.014	0.136
New London	9810511	GON	Groton-New London	22-75-001-000	52.556	108.025	125.576
New London	9810511	GON	Groton-New London	22-75-020-000	0	0	0
New London	9810511	GON	Groton-New London	22-75-050-011	5.699	2.462	455.042
New London	9810511	GON	Groton-New London	22-75-050-012	10.106	4.745	140.366
New London	9810511	GON	Groton-New London	22-75-060-011	0.134	0.117	20.993
New London	9810511	GON	Groton-New London	22-75-060-012	2.727	2.101	9.778
New London	9810511	GON	Groton-New London	22-75-070-000	0	0.003	0.011
New London	**All**	**All**	**All**	**All**	**72.592**	**118.104**	**780.828**
Tolland	11315011	CT09	HECKLER FIELD	22-75-050-011	0.081	0.035	6.477
Tolland	11315411	CT15	WYSOCKI FIELD	22-75-050-011	0	0	0
Tolland	11649811	7B9	ELLINGTON	22-75-050-011	4.953	2.14	395.491
Tolland	11649811	7B9	ELLINGTON	22-75-050-012	8.5	3.991	118.061
Tolland	11649811	7B9	ELLINGTON	22-75-060-011	0.001	0.001	0.2
Tolland	11649811	7B9	ELLINGTON	22-75-060-012	0.068	0.053	0.246
Tolland	12290511	CT29	VALLEY FARMS	22-75-050-011	0.025	0.011	1.959
Tolland	**All**	**All**	**All**	**All**	**13.628**	**6.23**	**522.433**
Windham	11305211	C44	TOUTANT	22-75-050-012	0.015	0.007	0.208
Windham	11517411	0CT2	WINDHAM HOSPITAL	22-75-050-012	0.121	0.057	1.678

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Summer Day Emissions [lb/day]		
					VOC	NO_X	CO
Windham	11580211	64CT	WOODSTOCK	22-75-050-011	0.491	0.212	39.176
Windham	11847211	5CT6	BUELL FARM	22-75-050-011	0.132	0.057	10.499
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-011	0.011	0.005	0.893
Windham	12289511	CT10	FLAT ROCK FARM	22-75-050-012	0.094	0.044	1.305
Windham	12306711	CT74	WESTFORD AIRSTRIP	22-75-050-011	0.005	0.002	0.392
Windham	16101611	31CT	QUIET CORNER	22-75-050-011	0.011	0.005	0.893
Windham	16101611	31CT	QUIET CORNER	22-75-050-012	0.094	0.044	1.305
Windham	9808111	IJD	Windham	22-75-001-000	2.953	6.069	7.055
Windham	9808111	IJD	Windham	22-75-050-011	3.255	1.406	259.863
Windham	9808111	IJD	Windham	22-75-050-012	3.607	1.694	50.1
Windham	9808111	IJD	Windham	22-75-060-011	0.013	0.012	2.083
Windham	9808111	IJD	Windham	22-75-060-012	0.267	0.206	0.959
Windham	9808211	LZD	Danielson	22-65-008-005	0	0.001	0.008
Windham	9808211	LZD	Danielson	22-67-008-005	0	0	0.001
Windham	9808211	LZD	Danielson	22-68-008-005	0	0	0.001
Windham	9808211	LZD	Danielson	22-70-008-005	0.001	0.003	0.038
Windham	9808211	LZD	Danielson	22-75-001-000	1.24	2.549	2.963
Windham	9808211	LZD	Danielson	22-75-050-011	9.08	3.922	724.979
Windham	9808211	LZD	Danielson	22-75-050-012	16.1	7.56	223.633
Windham	9808211	LZD	Danielson	22-75-060-011	0.01	0.009	1.68
Windham	9808211	LZD	Danielson	22-75-060-012	0.246	0.168	0.846
Windham	**All**	**All**	**All**	**All**	**37.746**	**24.031**	**1,330.56**
State Total	**All**	**All**	**All**	**All**	**1,011.991**	**2,794.602**	**15,003.744**

Table G-22: Annual Emissions of Commercial Marine Vessels (CMV)

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield County									
22-80-002-100	Diesel Port Emissions	0.52	46.45	8.97	1.19	1.15	0.03	0.01	0.00009
22-80-002-200	Diesel Underway Emissions	2.73	242.00	46.77	6.20	6.01	0.12	0.12	0.00093
22-80-003-100	Residual Port Emissions	0.01	0.12	0.02	0	0	0.04	0	0
22-80-003-200	Residual Underway Emissions	7.1	165.14	15.73	5.06	4.72	40.67	0.02	0.00013
Fairfield County Total		**10.36**	**453.72**	**71.48**	**12.44**	**11.88**	**40.85**	**0.16**	**0.00115**
Hartford County									
22-80-002-100	Diesel Port Emissions	0	0.42	0.08	0.01	0.01	0	0	0
22-80-002-200	Diesel Underway Emissions	0.26	24.38	4.53	0.58	0.57	0.01	0.01	0.00009
22-80-003-100	Residual Port Emissions	0	0	0	0	0	0	0	0
22-80-003-200	Residual Underway Emissions	0	0	0	0	0	0	0	0
Hartford County Total		**0.26**	**24.8**	**4.61**	**0.59**	**0.58**	**0.01**	**0.01**	**0.00009**
Litchfield County									
22-80-002-100	Diesel Port Emissions	0	0	0	0	0	0	0	0
22-80-002-200	Diesel Underway Emissions	0	0	0	0	0	0	0	0
22-80-003-100	Residual Port Emissions	0	0	0	0	0	0	0	0
22-80-003-200	Residual Underway Emissions	0	0	0	0	0	0	0	0
Litchfield County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Middlesex County									
22-80-002-100	Diesel Port Emissions	0	0	0	0	0	0	0	0
22-80-002-200	Diesel Underway Emissions	0.33	28.84	5.57	0.74	0.72	0.01	0.01	0.00011
22-80-003-100	Residual Port Emissions	0	0	0	0	0	0	0	0
22-80-003-200	Residual Underway Emissions	3.2	74.55	7.1	2.28	2.13	18.36	0.01	0.00006
Middlesex County Total		**3.53**	**103.39**	**12.67**	**3.02**	**2.85**	**18.37**	**0.03**	**0.00017**

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
New Haven County									
22-80-002-100	Diesel Port Emissions	0.11	9.34	1.8	0.24	0.23	0.03	0	0.00002
22-80-002-200	Diesel Underway Emissions	1.75	155.24	29.91	3.96	3.84	0.07	0.08	0.00059
22-80-003-100	Residual Port Emissions	1.93	49.34	4.84	1.93	1.76	15.8	0.02	0.00011
22-80-003-200	Residual Underway Emissions	8.87	206.36	19.65	6.32	5.9	50.82	0.03	0.00017
New Haven County		**12.66**	**420.27**	**56.21**	**12.44**	**11.73**	**66.72**	**0.13**	**0.00089**
New London County									
22-80-002-100	Diesel Port Emissions	0.70	62.82	12.01	1.57	1.52	0.11	0.02	0.00012
22-80-002-200	Diesel Underway Emissions	5.66	526.64	99.16	12.84	12.45	0.24	0.26	0.00193
22-80-003-100	Residual Port Emissions	0.45	9.78	1.08	0.39	0.36	3.14	0	0.00002
22-80-003-200	Residual Underway Emissions	4.03	93.81	8.93	2.87	2.68	23.1	0.01	0.00008
New London County Total		**10.85**	**693.05**	**121.18**	**17.67**	**17.01**	**26.59**	**0.29**	**0.00214**
Tolland County									
22-80-002-100	Diesel Port Emissions	0	0	0	0	0	0	0	0
22-80-002-200	Diesel Underway Emissions	0	0	0	0	0	0	0	0
22-80-003-100	Residual Port Emissions	0	0	0	0	0	0	0	0
22-80-003-200	Residual Underway Emissions	0	0	0	0	0	0	0	0
Tolland County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Windham County									
22-80-002-100	Diesel Port Emissions	0	0	0	0	0	0	0	0
22-80-002-200	Diesel Underway Emissions	0	0	0	0	0	0	0	0
22-80-003-100	Residual Port Emissions	0	0	0	0	0	0	0	0
22-80-003-200	Residual Underway Emissions	0	0	0	0	0	0	0	0
Windham County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
State Total		**37.66**	**1,695.23**	**266.14**	**46.17**	**44.05**	**152.55**	**0.62**	**0.00444**

Table G-23: Summer Day Emissions of Commercial Marine Vessels (CMV)

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
Fairfield County				
22-80-002-100	Diesel Port Emissions	2.88	255.22	49.31
22-80-002-200	Diesel Underway Emissions	15.03	1329.69	256.96
22-80-003-100	Residual Port Emissions	0.04	0.69	0.08
22-80-003-200	Residual Underway Emissions	39.00	907.36	86.42
Fairfield County Total		**56.94**	**2,492.96**	**392.76**
Hartford County				
22-80-002-100	Diesel Port Emissions	0.03	2.33	0.45
22-80-002-200	Diesel Underway Emissions	1.42	133.95	24.88
22-80-003-100	Residual Port Emissions	0	0	0
22-80-003-200	Residual Underway Emissions	0	0	0
Hartford County Total		**1.44**	**136.28**	**25.33**
Litchfield County				
22-80-002-100	Diesel Port Emissions	0	0	0
22-80-002-200	Diesel Underway Emissions	0	0	0
22-80-003-100	Residual Port Emissions	0	0	0
22-80-003-200	Residual Underway Emissions	0	0	0
Litchfield County Total		**0**	**0**	**0**
Middlesex County				
22-80-002-100	Diesel Port Emissions	0	0	0
22-80-002-200	Diesel Underway Emissions	1.79	158.48	30.59
22-80-003-100	Residual Port Emissions	0	0	0
22-80-003-200	Residual Underway Emissions	17.60	409.59	39.01
Middlesex County Total		**19.39**	**568.07**	**69.60**

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
New Haven County				
22-80-002-100	Diesel Port Emissions	0.11	9.34	1.80
22-80-002-200	Diesel Underway Emissions	1.75	155.24	29.91
22-80-003-100	Residual Port Emissions	1.93	49.34	4.84
22-80-003-200	Residual Underway Emissions	8.87	206.36	19.65
New Haven County		**12.66**	**420.27**	**56.21**
New London County				
22-80-002-100	Diesel Port Emissions	0.70	62.82	12.01
22-80-002-200	Diesel Underway Emissions	5.66	526.64	99.16
22-80-003-100	Residual Port Emissions	0.45	9.78	1.08
22-80-003-200	Residual Underway Emissions	4.03	93.81	8.93
New London County Total		**10.85**	**693.05**	**121.18**
Tolland County				
22-80-002-100	Diesel Port Emissions	0	0	0
22-80-002-200	Diesel Underway Emissions	0	0	0
22-80-003-100	Residual Port Emissions	0	0	0
22-80-003-200	Residual Underway Emissions	0	0	0
Tolland County Total		**0**	**0**	**0**
Windham County				
22-80-002-100	Diesel Port Emissions	0	0	0
22-80-002-200	Diesel Underway Emissions	0	0	0
22-80-003-100	Residual Port Emissions	0	0	0
22-80-003-200	Residual Underway Emissions	0	0	0
Windham County Total		**0**	**0**	**0**
State Total		**37.66**	**1,695.23**	**266.14**

Table G-24: Annual Emissions of Locomotives

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield County									
22-85-002-006	Class I Operations	2.56	65.82	6.48	1.62	1.49	0.02	0.02	0.00014
22-85-002-007	Class II/III Operations	4.44	114.18	11.24	2.81	2.59	0.04	0.04	0.00024
22-85-002-008	Passenger Trains (Amtrak)	0	0	0	0	0	0	0	0
22-85-002-009	Commuter Lines	13.20	285.37	35.41	8.35	8.10	0.11	0.12	0.00000
22-85-002-010	Yard Locomotives	0	0	0	0	0	0	0	0
Fairfield County Total		**20.20**	**465.37**	**53.14**	**12.78**	**12.18**	**0.17**	**0.19**	**0.00037**
Hartford County									
22-85-002-006	Class I Operations	0	0	0	0	0	0	0	0
22-85-002-007	Class II/III Operations	5.06	130.18	12.82	3.20	2.95	0.04	0.05	0.00027
22-85-002-008	Passenger Trains (Amtrak)	3.28	58.80	8.55	2.08	2.01	0.03	0.03	0.00000
22-85-002-009	Commuter Lines	0	0	0	0	0	0	0	0
22-85-002-010	Yard Locomotives	0	0	0	0	0	0	0	0
Hartford County Total		**8.34**	**188.98**	**21.36**	**5.28**	**4.96**	**0.07**	**0.08**	**0.00027**
Litchfield County									
22-85-002-006	Class I Operations	0	0	0	0	0	0	0	0
22-85-002-007	Class II/III Operations	2.65	68.16	6.71	1.68	1.54	0.02	0.02	0.00014
22-85-002-008	Passenger Trains (Amtrak)	0	0	0	0	0	0	0	0
22-85-002-009	Commuter Lines	0	0	0	0	0	0	0	0
22-85-002-010	Yard Locomotives	0	0	0	0	0	0	0	0
Litchfield County Total		**2.65**	**68.16**	**6.71**	**1.68**	**1.54**	**0.02**	**0.02**	**0.00014**

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Middlesex County									
22-85-002-006	Class I Operations	0	0	0	0	0	0	0	0
22-85-002-007	Class II/III Operations	1.25	32.11	3.16	0.79	0.73	0.01	0.01	0.00007
22-85-002-008	Passenger Trains (Amtrak)	0	0	0	0	0	0	0	0
22-85-002-009	Commuter Lines	0	0	0	0	0	0	0	0
22-85-002-010	Yard Locomotives	0	0	0	0	0	0	0	0
Middlesex County Total		**1.25**	**32.11**	**3.16**	**0.79**	**0.73**	**0.01**	**0.01**	**0.00007**
New Haven County									
22-85-002-006	Class I Operations	1.95	50.15	4.94	1.23	1.14	0.02	0.02	0.00010
22-85-002-007	Class II/III Operations	4.96	127.65	12.57	3.14	2.89	0.04	0.04	0.00026
22-85-002-008	Passenger Trains (Amtrak)	2.08	37.30	5.42	1.32	1.28	0.02	0.02	0
22-85-002-009	Commuter Lines	8.25	178.28	22.12	5.22	5.06	0.07	0.08	0
22-85-002-010	Yard Locomotives	0	0	0	0	0	0	0	0
New Haven County		**17.24**	**393.38**	**45.05**	**10.91**	**10.37**	**0.14**	**0.16**	**0.00037**
New London County									
22-85-002-006	Class I Operations	0	0	0	0	0	0	0	0
22-85-002-007	Class II/III Operations	3.35	86.26	8.49	2.12	1.95	0.03	0.03	0.00018
22-85-002-008	Passenger Trains (Amtrak)	0	0	0	0	0	0	0	0
22-85-002-009	Commuter Lines	0	0	0	0	0	0	0	0
22-85-002-010	Yard Locomotives	0	0	0	0	0	0	0	0
New London County Total		**3.35**	**86.26**	**8.49**	**2.12**	**1.95**	**0.03**	**0.03**	**0.00018**

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Tolland County									
22-85-002-006	Class I Operations	0	0	0	0	0	0	0	0
22-85-002-007	Class II/III Operations	0.85	21.88	2.15	0.54	0.50	0.01	0.01	0.00005
22-85-002-008	Passenger Trains (Amtrak)	0	0	0	0	0	0	0	0
22-85-002-009	Commuter Lines	0	0	0	0	0	0	0	0
22-85-002-010	Yard Locomotives	0	0	0	0	0	0	0	0
Tolland County Total		**0.85**	**21.88**	**2.15**	**0.54**	**0.50**	**0.01**	**0.01**	**0.00005**
Windham County									
22-85-002-006	Class I Operations	0	0	0	0	0	0	0	0
22-85-002-007	Class II/III Operations	1.81	46.45	4.57	1.14	1.05	0.01	0.02	0.00010
22-85-002-008	Passenger Trains (Amtrak)	0	0	0	0	0	0	0	0
22-85-002-009	Commuter Lines	0	0	0	0	0	0	0	0
22-85-002-010	Yard Locomotives	0	0	0	0	0	0	0	0
Windham County Total		**1.81**	**46.45**	**4.57**	**1.14**	**1.05**	**0.01**	**0.02**	**0.00010**
State Total		**55.69**	**1,302.58**	**144.64**	**35.25**	**33.28**	**0.45**	**0.51**	**0.00154**

Table G-25: Summer Day Emissions of Locomotives

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
Fairfield County				
22-85-002-006	Class I Operations	19.69	506.31	49.85
22-85-002-007	Class II/III Operations	34.15	878.32	86.48
22-85-002-008	Passenger Trains (Amtrak)	0	0	0
22-85-002-009	Commuter Lines	101.55	2,195.16	272.40
22-85-002-010	Yard Locomotives	0	0	0
Fairfield County Total		**148.37**	**3,367.39**	**391.88**
Hartford County				
22-85-002-006	Class I Operations	0	0	0
22-85-002-007	Class II/III Operations	38.93	1,001.35	98.59
22-85-002-008	Passenger Trains (Amtrak)	25.23	452.32	65.74
22-85-002-009	Commuter Lines	0	0	0
22-85-002-010	Yard Locomotives	0	0	0
Hartford County Total		**64.16**	**1,453.66**	**164.33**
Litchfield County				
22-85-002-006	Class I Operations	0	0	0
22-85-002-007	Class II/III Operations	20.38	524.29	51.62
22-85-002-008	Passenger Trains (Amtrak)	0	0	0
22-85-002-009	Commuter Lines	0	0	0
22-85-002-010	Yard Locomotives	0	0	0
Litchfield County Total		**20.38**	**524.29**	**51.62**

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
Middlesex County				
22-85-002-006	Class I Operations	0	0	0
22-85-002-007	Class II/III Operations	9.60	246.97	24.32
22-85-002-008	Passenger Trains (Amtrak)	0	0	0
22-85-002-009	Commuter Lines	0	0	0
22-85-002-010	Yard Locomotives	0	0	0
Middlesex County Total		**9.60**	**246.97**	**24.32**
New Haven County				
22-85-002-006	Class I Operations	15.00	385.76	37.98
22-85-002-007	Class II/III Operations	38.18	981.88	96.68
22-85-002-008	Passenger Trains (Amtrak)	16.01	286.95	41.70
22-85-002-009	Commuter Lines	63.44	1371.37	170.18
22-85-002-010	Yard Locomotives	0	0	0
New Haven County		**132.62**	**3,025.96**	**346.54**
New London County				
22-85-002-006	Class I Operations	0	0	0
22-85-002-007	Class II/III Operations	25.80	663.55	65.33
22-85-002-008	Passenger Trains (Amtrak)	0	0	0
22-85-002-009	Commuter Lines	0	0	0
22-85-002-010	Yard Locomotives	0	0	0
New London County Total		**25.80**	**663.55**	**65.33**

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
Tolland County				
22-85-002-006	Class I Operations	0	0	0
22-85-002-007	Class II/III Operations	6.54	168.31	16.57
22-85-002-008	Passenger Trains (Amtrak)	0	0	0
22-85-002-009	Commuter Lines	0	0	0
22-85-002-010	Yard Locomotives	0	0	0
Tolland County Total		**6.54**	**168.31**	**16.57**
Windham County				
22-85-002-006	Class I Operations	0	0	0
22-85-002-007	Class II/III Operations	13.89	357.29	35.18
22-85-002-008	Passenger Trains (Amtrak)	0	0	0
22-85-002-009	Commuter Lines	0	0	0
22-85-002-010	Yard Locomotives	0	0	0
Windham County Total		**13.89**	**357.29**	**35.18**
State Total		**428.38**	**10,019.83**	**1,112.63**

Table G-26: Diesel Fuel Use [gal] of Line Haul Locomotives by Company in 2005 (Apportioned by Track Right Mileage in County)

Railroad Company	Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham	Railroad State Total
AMTK		362,776		124,136	416,283	362,776			1,265,971
BRFD					29,358				29,358
CNZR		28,214							28,214
CSO		174,478			85,002				259,480
CSXT	146,415				111,555				257,970
HRRC	62,512		79,876						142,387
MNCW	507,721				567,725				1,075,446
NAUG			11,307		2,991				14,298
NECR						74,007	74,650	22,524	171,181
PAR/ PAS		3,537	4,633		5,479				13,650
PW	130,608			30,848	104,991	132,592		83,344	482,382
SLE				252,229	549,858				802,087
VALE				2,636					2,636
County Line Haul Total	**847,256**	**569,005**	**95,816**	**409,848**	**1,873,242**	**569,375**	**74,650**	**105,867**	**4,545,060**

Table G-27: 2014 Non-Road Sector to SCC Mapping

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Agricultural Equipment	22-60-005-035	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Agricultural Equipment	Sprayers
Agricultural Equipment	22-65-005-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	2-Wheel Tractors
Agricultural Equipment	22-65-005-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Agricultural Tractors
Agricultural Equipment	22-65-005-025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Balers
Agricultural Equipment	22-65-005-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Agricultural Mowers
Agricultural Equipment	22-65-005-035	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Sprayers
Agricultural Equipment	22-65-005-040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Tillers > 6 HP
Agricultural Equipment	22-65-005-045	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Swathers
Agricultural Equipment	22-65-005-055	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Other Agricultural Equipment
Agricultural Equipment	22-65-005-060	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Agricultural Equipment	Irrigation Sets
Agricultural Equipment	22-68-005-055	Mobile Sources	CNG	Agricultural Equipment	Other Agricultural Equipment
Agricultural Equipment	22-68-005-060	Mobile Sources	CNG	Agricultural Equipment	Irrigation Sets
Agricultural Equipment	22-70-005-010	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	2-Wheel Tractors
Agricultural Equipment	22-70-005-015	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Agricultural Tractors
Agricultural Equipment	22-70-005-020	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Combines

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Agricultural Equipment	22-70-005-025	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Balers
Agricultural Equipment	22-70-005-030	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Agricultural Mowers
Agricultural Equipment	22-70-005-035	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Sprayers
Agricultural Equipment	22-70-005-045	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Swathers
Agricultural Equipment	22-70-005-055	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Other Agricultural Equipment
Agricultural Equipment	22-70-005-060	Mobile Sources	Off-highway Vehicle Diesel	Agricultural Equipment	Irrigation Sets
Aircraft	22-75-00-1000	Mobile Sources	Aircraft	Military Aircraft	Total
Aircraft	22-75-02-0000	Mobile Sources	Aircraft	Commercial Aircraft	Total: All Types
Aircraft	22-75-05-0011	Mobile Sources	Aircraft	General Aviation	Piston
Aircraft	22-75-05-0012	Mobile Sources	Aircraft	General Aviation	Turbine
Aircraft	22-75-06-0011	Mobile Sources	Aircraft	Air Taxi	Piston
Aircraft	22-75-06-0012	Mobile Sources	Aircraft	Air Taxi	Turbine
Aircraft	22-75-07-0000	Mobile Sources	Aircraft	Aircraft Auxiliary Power Units	Total
Aircraft	22-75-087-000	Mobile Sources	Aircraft	In-flight (non-Landing-Takeoff cycle)	Total
Airport Equipment	22-60-00-8005	Mobile Sources	Off-highway Vehicle Gasoline	Airport Ground Support Equipment	2-Stroke Airport Ground Support Equipment
Airport Equipment	22-65-00-8005	Mobile Sources	Off-highway Vehicle Gasoline	Airport Ground Support Equipment	4-Stroke Airport Ground Support Equipment
Airport Equipment	22-67-00-8005	Mobile Sources	Off-highway Vehicle LPG	Airport Ground Support Equipment	LPG Airport Ground Support Equipment

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Airport Equipment	22-68-00-8005	Mobile Sources	Off-highway Vehicle CNG	Airport Ground Support Equipment	CNG Airport Ground Support Equipment
Airport Equipment	22-70-00-8005	Mobile Sources	Off-highway Vehicle Diesel	Airport Ground Support Equipment	Airport Ground Support Equipment
Commercial Equipment	22-60-006-005	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Generator Sets
Commercial Equipment	22-60-006-010	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Pumps
Commercial Equipment	22-60-006-015	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Air Compressors
Commercial Equipment	22-60-006-035	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Commercial Equipment	Hydro-power Units
Commercial Equipment	22-65-006-005	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Generator Sets
Commercial Equipment	22-65-006-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Pumps
Commercial Equipment	22-65-006-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Air Compressors
Commercial Equipment	22-65-006-025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Welders
Commercial Equipment	22-65-006-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Pressure Washers
Commercial Equipment	22-65-006-035	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Commercial Equipment	Hydro-power Units
Commercial Equipment	22-67-006-005	Mobile Sources	LPG	Commercial Equipment	Generator Sets
Commercial Equipment	22-67-006-010	Mobile Sources	LPG	Commercial Equipment	Pumps
Commercial Equipment	22-67-006-015	Mobile Sources	LPG	Commercial Equipment	Air Compressors

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Commercial Equipment	22-67-006-025	Mobile Sources	LPG	Commercial Equipment	Welders
Commercial Equipment	22-67-006-030	Mobile Sources	LPG	Commercial Equipment	Pressure Washers
Commercial Equipment	22-67-006-035	Mobile Sources	LPG	Commercial Equipment	Hydro-power Units
Commercial Equipment	22-68-006-005	Mobile Sources	CNG	Commercial Equipment	Generator Sets
Commercial Equipment	22-68-006-010	Mobile Sources	CNG	Commercial Equipment	Pumps
Commercial Equipment	22-68-006-015	Mobile Sources	CNG	Commercial Equipment	Air Compressors
Commercial Equipment	22-68-006-020	Mobile Sources	CNG	Commercial Equipment	Gas Compressors
Commercial Equipment	22-70-006-005	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Generator Sets
Commercial Equipment	22-70-006-010	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Pumps
Commercial Equipment	22-70-006-015	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Air Compressors
Commercial Equipment	22-70-006-025	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Welders
Commercial Equipment	22-70-006-030	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Pressure Washers
Commercial Equipment	22-70-006-035	Mobile Sources	Off-highway Vehicle Diesel	Commercial Equipment	Hydro-power Units
Commercial Marine Vessels	22-80-002-100	Mobile Sources	Marine Vessels, Commercial	Diesel	Port emissions
Commercial Marine Vessels	22-80-002-200	Mobile Sources	Marine Vessels, Commercial	Diesel	Underway emissions

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Commercial Marine Vessels	22-80-003-100	Mobile Sources	Marine Vessels, Commercial	Residual	Port emissions
Commercial Marine Vessels	22-80-003-200	Mobile Sources	Marine Vessels, Commercial	Residual	Underway emissions
Construction and Mining Equipment	22-60-002-006	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Tampers/ Rammers
Construction and Mining Equipment	22-60-002-009	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Plate Compactors
Construction and Mining Equipment	22-60-002-021	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Paving Equipment
Construction and Mining Equipment	22-60-002-027	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Signal Boards/ Light Plants
Construction and Mining Equipment	22-60-002-039	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Concrete/ Industrial Saws
Construction and Mining Equipment	22-60-002-054	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Construction and Mining Equipment	Crushing/ Processing Equipment
Construction and Mining Equipment	22-65-002-003	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Pavers
Construction and Mining Equipment	22-65-002-006	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Tampers/ Rammers
Construction and Mining Equipment	22-65-002-009	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Plate Compactors
Construction and Mining Equipment	22-65-002-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rollers
Construction and Mining Equipment	22-65-002-021	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Paving Equipment
Construction and Mining Equipment	22-65-002-024	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Surfacing Equipment
Construction and Mining Equipment	22-65-002-027	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Signal Boards/ Light Plants

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Construction and Mining Equipment	22-65-002-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Trenchers
Construction and Mining Equipment	22-65-002-033	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Bore/ Drill Rigs
Construction and Mining Equipment	22-65-002-039	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Concrete/Industrial Saws
Construction and Mining Equipment	22-65-002-042	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Cement and Mortar Mixers
Construction and Mining Equipment	22-65-002-045	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Cranes
Construction and Mining Equipment	22-65-002-054	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Crushing/ Processing Equipment
Construction and Mining Equipment	22-65-002-057	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rough Terrain Forklifts
Construction and Mining Equipment	22-65-002-060	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Rubber Tire Loaders
Construction and Mining Equipment	22-65-002-066	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Tractors/ Loaders/ Backhoes
Construction and Mining Equipment	22-65-002-072	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Skid Steer Loaders
Construction and Mining Equipment	22-65-002-078	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Dumpers/ Tenders
Construction and Mining Equipment	22-65-002-081	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Construction and Mining Equipment	Other Construction Equipment
Construction and Mining Equipment	22-67-002-003	Mobile Sources	LPG	Construction and Mining Equipment	Pavers
Construction and Mining Equipment	22-67-002-015	Mobile Sources	LPG	Construction and Mining Equipment	Rollers
Construction and Mining Equipment	22-67-002-021	Mobile Sources	LPG	Construction and Mining Equipment	Paving Equipment

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Construction and Mining Equipment	22-67-002-024	Mobile Sources	LPG	Construction and Mining Equipment	Surfacing Equipment
Construction and Mining Equipment	22-67-002-030	Mobile Sources	LPG	Construction and Mining Equipment	Trenchers
Construction and Mining Equipment	22-67-002-033	Mobile Sources	LPG	Construction and Mining Equipment	Bore/ Drill Rigs
Construction and Mining Equipment	22-67-002-039	Mobile Sources	LPG	Construction and Mining Equipment	Concrete/ Industrial Saws
Construction and Mining Equipment	22-67-002-045	Mobile Sources	LPG	Construction and Mining Equipment	Cranes
Construction and Mining Equipment	22-67-002-054	Mobile Sources	LPG	Construction and Mining Equipment	Crushing/ Processing Equipment
Construction and Mining Equipment	22-67-002-057	Mobile Sources	LPG	Construction and Mining Equipment	Rough Terrain Forklifts
Construction and Mining Equipment	22-67-002-060	Mobile Sources	LPG	Construction and Mining Equipment	Rubber Tire Loaders
Construction and Mining Equipment	22-67-002-066	Mobile Sources	LPG	Construction and Mining Equipment	Tractors/ Loaders/ Backhoes
Construction and Mining Equipment	22-67-002-072	Mobile Sources	LPG	Construction and Mining Equipment	Skid Steer Loaders
Construction and Mining Equipment	22-67-002-081	Mobile Sources	LPG	Construction and Mining Equipment	Other Construction Equipment
Construction and Mining Equipment	22-68-002-081	Mobile Sources	CNG	Construction and Mining Equipment	Other Construction Equipment
Construction and Mining Equipment	22-70-002-003	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Pavers
Construction and Mining Equipment	22-70-002-006	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Tampers/ Rammers
Construction and Mining Equipment	22-70-002-009	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Plate Compactors

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Construction and Mining Equipment	22-70-002-015	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rollers
Construction and Mining Equipment	22-70-002-018	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Scrapers
Construction and Mining Equipment	22-70-002-021	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Paving Equipment
Construction and Mining Equipment	22-70-002-024	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Surfacing Equipment
Construction and Mining Equipment	22-70-002-027	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Signal Boards/ Light Plants
Construction and Mining Equipment	22-70-002-030	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Trenchers
Construction and Mining Equipment	22-70-002-033	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Bore/ Drill Rigs
Construction and Mining Equipment	22-70-002-036	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Excavators
Construction and Mining Equipment	22-70-002-039	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Concrete/ Industrial Saws
Construction and Mining Equipment	22-70-002-042	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Cement and Mortar Mixers
Construction and Mining Equipment	22-70-002-045	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Cranes
Construction and Mining Equipment	22-70-002-048	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Graders
Construction and Mining Equipment	22-70-002-051	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Off-highway Trucks
Construction and Mining Equipment	22-70-002-054	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Crushing/ Processing Equipment
Construction and Mining Equipment	22-70-002-057	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rough Terrain Forklifts

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Construction and Mining Equipment	22-70-002-060	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rubber Tire Loaders
Construction and Mining Equipment	22-70-002-066	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Tractors/ Loaders/ Backhoes
Construction and Mining Equipment	22-70-002-069	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Crawler Tractor/ Dozers
Construction and Mining Equipment	22-70-002-072	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Skid Steer Loaders
Construction and Mining Equipment	22-70-002-075	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Off-highway Tractors
Construction and Mining Equipment	22-70-002-078	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Dumpers/ Tenders
Construction and Mining Equipment	22-70-002-081	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Other Construction Equipment
Industrial Equipment	22-60-003-030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Industrial Equipment	Sweepers/ Scrubbers
Industrial Equipment	22-60-003-040	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-65-003-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Aerial Lifts
Industrial Equipment	22-65-003-020	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Forklifts
Industrial Equipment	22-65-003-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Sweepers/ Scrubbers
Industrial Equipment	22-65-003-040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-65-003-050	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Other Material Handling Equipment
Industrial Equipment	22-65-003-060	Mobile Sources	Off-highway Vehicle Gasoline	Industrial Equipment	4-Stroke AC/ Refrigeration

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Industrial Equipment	22-65-003-070	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Industrial Equipment	Terminal Tractors
Industrial Equipment	22-65-010-010	Mobile Sources	Off-highway Vehicle Gasoline	Industrial Equipment	4-Stroke Other Oil Field Equipment
Industrial Equipment	22-67-003-010	Mobile Sources	LPG	Industrial Equipment	Aerial Lifts
Industrial Equipment	22-67-003-020	Mobile Sources	LPG	Industrial Equipment	Forklifts
Industrial Equipment	22-67-003-030	Mobile Sources	LPG	Industrial Equipment	Sweepers/ Scrubbers
Industrial Equipment	22-67-003-040	Mobile Sources	LPG	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-67-003-050	Mobile Sources	LPG	Industrial Equipment	Other Material Handling Equipment
Industrial Equipment	22-67-003-070	Mobile Sources	LPG	Industrial Equipment	Terminal Tractors
Industrial Equipment	22-68-003-020	Mobile Sources	CNG	Industrial Equipment	Forklifts
Industrial Equipment	22-68-003-030	Mobile Sources	CNG	Industrial Equipment	Sweepers/ Scrubbers
Industrial Equipment	22-68-003-040	Mobile Sources	CNG	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-68-003-060	Mobile Sources	Off-highway Vehicle CNG	Industrial Equipment	CNG AC\Refrigeration
Industrial Equipment	22-68-003-070	Mobile Sources	CNG	Industrial Equipment	Terminal Tractors
Industrial Equipment	22-68-010-010	Mobile Sources	Off-highway Vehicle CNG	Industrial Equipment	CNG Other Oil Field Equipment
Industrial Equipment	22-70-003-010	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Aerial Lifts

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Industrial Equipment	22-70-003-020	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Forklifts
Industrial Equipment	22-70-003-030	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Sweepers/Scrubbers
Industrial Equipment	22-70-003-040	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other General Industrial Equipment
Industrial Equipment	22-70-003-050	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other Material Handling Equipment
Industrial Equipment	22-70-003-060	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	AC/ Refrigeration
Industrial Equipment	22-70-003-070	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Terminal Tractors
Industrial Equipment	22-70-010-010	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Other Oil Field Equipment
Lawn and Garden Equipment (Com)	22-60-004-016	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-021	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	2-Stroke Chain Saws < 6 HP (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-026	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/ Brush Cutters (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-031	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Leafblowers/ Vacuums (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-036	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	2-Stroke Snowblowers (Commercial)
Lawn and Garden Equipment (Com)	22-60-004-071	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Turf Equipment (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-011	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn Mowers (Commercial)

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Lawn and Garden Equipment (Com)	22-65-004-016	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-026	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/ Brush Cutters (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-031	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Leafblowers/ Vacuums (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-036	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	4-Stroke Snowblowers (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-041	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rear Engine Riding Mowers (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-046	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Front Mowers (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-051	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Shredders < 6 HP (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-056	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn and Garden Tractors (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-066	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Chippers/ Stump Grinders (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-071	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Turf Equipment (Commercial)
Lawn and Garden Equipment (Com)	22-65-004-076	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Other Lawn and Garden Equipment (Commercial)
Lawn and Garden Equipment (Com)	22-67-004-066	Mobile Sources	LPG	Lawn and Garden Equipment	Chippers/ Stump Grinders (Commercial)

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Lawn and Garden Equipment (Com)	22-70-004-031	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Leafblowers/ Vacuums (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-036	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Snowblowers (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-046	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Front Mowers (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-056	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Lawn and Garden Tractors (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-066	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Chippers/ Stump Grinders (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-071	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Turf Equipment (Commercial)
Lawn and Garden Equipment (Com)	22-70-004-076	Mobile Sources	Off-highway Vehicle Diesel	Lawn and Garden Equipment	Other Lawn and Garden Equipment (Commercial)
Lawn and Garden Equipment (Res)	22-60-004-015	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Residential)
Lawn and Garden Equipment (Res)	22-60-004-020	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	2-Stroke Chain Saws < 6 HP (Residential)
Lawn and Garden Equipment (Res)	22-60-004-025	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/ Brush Cutters (Residential)
Lawn and Garden Equipment (Res)	22-60-004-030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Lawn and Garden Equipment	Leafblowers/ Vacuums (Residential)
Lawn and Garden Equipment (Res)	22-60-004-035	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	2-Stroke Snowblowers (Residential)

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Lawn and Garden Equipment (Res)	22-65-004-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn Mowers (Residential)
Lawn and Garden Equipment (Res)	22-65-004-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rotary Tillers < 6 HP (Residential)
Lawn and Garden Equipment (Res)	22-65-004-025	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Trimmers/ Edgers/ Brush Cutters (Residential)
Lawn and Garden Equipment (Res)	22-65-004-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Leafblowers/ Vacuums (Residential)
Lawn and Garden Equipment (Res)	22-65-004-035	Mobile Sources	Off-highway Vehicle Gasoline	Lawn and Garden Equipment	4-Stroke Snowblowers (Residential)
Lawn and Garden Equipment (Res)	22-65-004-040	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Rear Engine Riding Mowers (Residential)
Lawn and Garden Equipment (Res)	22-65-004-055	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Lawn and Garden Tractors (Residential)
Lawn and Garden Equipment (Res)	22-65-004-075	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Lawn and Garden Equipment	Other Lawn and Garden Equipment (Residential)
Locomotives	22-85-002-006	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Class I Operations
Locomotives	22-85-002-007	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Class II / III Operations
Locomotives	22-85-002-008	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Passenger Trains (Amtrak)

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Locomotives	22-85-002-009	Mobile Sources	Railroad Equipment	Diesel	Line Haul Locomotives: Commuter Lines
Locomotives	22-85-002-010	Mobile Sources	Railroad Equipment	Diesel	Yard Locomotives
Logging Equipment	22-60-007-005	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Logging Equipment	Chain Saws > 6 HP
Logging Equipment	22-65-007-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Logging Equipment	Shredders > 6 HP
Logging Equipment	22-65-007-015	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Logging Equipment	Forest Eqp - Feller/ Bunch/ Skidder
Logging Equipment	22-70-007-015	Mobile Sources	Off-highway Vehicle Diesel	Logging Equipment	Forest Eqp - Feller/ Bunch/ Skidder
Pleasure Craft	22-82-005-010	Mobile Sources	Pleasure Craft	Gasoline 2-Stroke	Outboard
Pleasure Craft	22-82-005-015	Mobile Sources	Pleasure Craft	Gasoline 2-Stroke	Personal Water Craft
Pleasure Craft	22-82-010-005	Mobile Sources	Pleasure Craft	Gasoline 4-Stroke	Inboard/ Sterndrive
Pleasure Craft	22-82-020-005	Mobile Sources	Pleasure Craft	Diesel	Inboard/ Sterndrive
Pleasure Craft	22-82-020-010	Mobile Sources	Pleasure Craft	Diesel	Outboard
Railroad Equipment	22-85-002-015	Mobile Sources	Railroad Equipment	Diesel	Railway Maintenance
Railroad Equipment	22-85-004-015	Mobile Sources	Railroad Equipment	Gasoline, 4-Stroke	Railway Maintenance
Railroad Equipment	22-85-006-015	Mobile Sources	Railroad Equipment	LPG	Railway Maintenance
Recreational Equipment	22-60-001-010	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Recreational Equipment	Motorcycles: Off-road
Recreational Equipment	22-60-001-020	Mobile Sources	Off-highway Vehicle Gasoline	Recreational Equipment	2-Stroke Snowmobiles
Recreational Equipment	22-60-001-030	Mobile Sources	Off-highway Vehicle Gasoline, 2-Stroke	Recreational Equipment	All Terrain Vehicles
Recreational Equipment	22-60-001-060	Mobile Sources	Off-highway Vehicle Gasoline	Recreational Equipment	2-Stroke Specialty Vehicles/ Carts
Recreational Equipment	22-65-001-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Recreational Equipment	Motorcycles: Off-road

Non-Road Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Recreational Equipment	22-65-001-030	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Recreational Equipment	All Terrain Vehicles
Recreational Equipment	22-65-001-050	Mobile Sources	Off-highway Vehicle Gasoline	Recreational Equipment	4-Stroke Golf Carts
Recreational Equipment	22-65-001-060	Mobile Sources	Off-highway Vehicle Gasoline	Recreational Equipment	4-Stroke Specialty Vehicles/ Carts
Recreational Equipment	22-67-001-060	Mobile Sources	Off-highway Vehicle LPG	Recreational Equipment	LPG Specialty Vehicles/ Carts
Recreational Equipment	22-70-001-060	Mobile Sources	Off-highway Vehicle Diesel	Recreational Equipment	Specialty Vehicles/ Carts

Appendix H Area Source Calculation Support Tables

Table H-1: EIA-923 Electrical Generation Missing from Connecticut's 2014 Point Source Inventory

EIA / EPA IPM Plant Identifier	Plant Name	Operator Name	EIA Sector Number and Name	Reported Prime Mover[168]	AER Fuel Type[169]	Annual Activity	Physical Unit Label
57598	Bridge Street 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1,397	barrels
57598	Bridge Street 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	RFO	0	barrels
57599	Fort Hill 1, 2, 3 & 4	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	2,461	barrels
57601	Gary Court 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1,424	barrels
57602	Jewett City 1	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	604	barrels
57603	LNG 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1,255	barrels
57604	Lebanon Pines 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1,439	barrels
57605	Water Treatment 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1,515	barrels
57689	Norden 1-3	Third Taxing District of Norwalk	2 - Electric Utility	IC	DFO	394	barrels
58948	Bristol Myers Squibb Wallingford	Bristol-Myers Squibb Co	1 - NAICS-22 Non-Cogen	IC	DFO	0	barrels
59415	Backus Microgrid Project	Connecticut Mun Elec Engy Coop	2 - Electric Utility	IC	DFO	665	barrels
6598	South Norwalk Electric	City of South Norwalk - (CT)	1 - Electric Utility	IC	DFO	0	barrels
58551	Dominion Bridgeport Fuel Cell, LLC	Dominion Renewable Energy	2 - NAICS-22 Non-Cogen	FC	NG	945,007	MCF
58948	Bristol Myers Squibb Wallingford	Bristol-Myers Squibb Co	2 - NAICS-22 Non-Cogen	GT	NG	392,209	MCF
59801	IBM Southbury	Bloom Energy	1 - NAICS-22 Non-Cogen	FC	NG	5,956	MCF
Total of Missing Activity for Distillate Petroleum Units					DFO	468.5	E3GAL[170]
Total of Missing Activity for Natural Gas Units					NG	1,343	MMCF

[168] FC for Fuel Cell, IC for Internal Combustion Engine, and GT for Gas Turbine
[169] DFO for Distillate Fuel Oil, RFO for Residual Fuel Oil, and NG for Natural Gas
[170] 1 barrel = 42 gallons

Table H-2: Connecticut 2014 Emissions Inventory Data in EIA-923 Electrical Generation Report

Town	Premises	Client	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
014	0004	07741	16708311	Connecticut Jet Power LLC, Branford Substation	NRG ENERGY, INC.	540	Branford	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
015	0045	08087	754311	PSEG PWR CT LLC/BPT HARBOR STA.	PSEG POWER CT, LLC	568	Bridgeport Station	PSEG Power Connecticut LLC	2 - NAICS-22 Non-Cogen
015	0765	08786	754411	WHEELABRATOR BRIDGEPORT LP	Wheelabrator Technologies Inc	50883	Wheelabrator Bridgeport	Wheelabrator Environmental Systems	2 - NAICS-22 Non-Cogen
015	0862	06859	754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT ENERGY LLC	55042	Bridgeport Energy Project	Bridgeport Energy LLC	2 - NAICS-22 Non-Cogen
026	0202	06590	588711	COVANTA BRISTOL, INC	COVANTA ENERGY, INC	50648	Covanta Bristol Energy	Covanta Bristol Inc	2 - NAICS-22 Non-Cogen
053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	UNITED TECHNOLOGIES CORP	54605	Pratt & Whitney	United Technologies	7 - Industrial NAICS Cogen
067	0017	07741	2722511	CONNECTICUT JET POWER, LLC	NRG ENERGY, INC.	542	Cos Cob	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
070	0004	00089	921211	PFIZER INC	PFIZER INC	54236	Pfizer Groton Plant	Pfizer Inc	7 - Industrial NAICS Cogen
075	0158	05497	715611	C R R A / MID-CONNECTICUT	CT RESOURCES RECOVERY AUTHORITY	563	South Meadow	NAES Corp	2 - NAICS-22 Non-Cogen
075	0158	05497	715611	C R R A / MID-CONNECTICUT	CT RESOURCES RECOVERY AUTHORITY	54945	CT Resource Rec Authority Facility	NAES Corp	2 - NAICS-22 Non-Cogen
075	0766	08310	844911	Capitol District Energy Center Cogeneration Associates	MAXIM POWER CORPORATION	50498	Capital District Energy Center	Maxim Power (USA) Inc	3 - NAICS-22 Cogen
089	0080	07442	844711	LAKE ROAD GENERATING CO, L.P.	LAKE ROAD GENERATING CO, L.P.	55149	Lake Road Generating Plant	Lake Road Generating Co LP	2 - NAICS-22 Non-Cogen
093	0014	02245	8501611	WHEELABRATOR LISBON INC	Wheelabrator Technologies, Inc	54758	Wheelabrator Lisbon	Wheelabrator Environmental Systems	2 - NAICS-22 Non-Cogen
104	0024	07741	715711	MIDDLETOWN POWER LLC	NRG ENERGY, INC.	57068	GenConn Middletown LLC	GenConn Middletown LLC	2 - NAICS-22 Non-Cogen

Town	Premises	Client	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
104	0024	07741	715711	MIDDLETOWN POWER LLC	NRG ENERGY, INC.	562	Middletown	Middletown Power LLC	2 - NAICS-22 Non-Cogen
104	0246	08070	14622911	KLEEN ENERGY SYSTEM PROJECT	KLEEN ENERGY SYSTEM LLC	56798	Kleen Energy Systems Project	Kleen Energy Systems, LLC	2 - NAICS-22 Non-Cogen
105	0014	07741	590011	DEVON POWER, LLC	NRG ENERGY, INC.	544	Devon Station	Devon Power LLC	2 - NAICS-22 Non-Cogen
105	0014	07741	590011	DEVON POWER, LLC	NRG ENERGY, INC.	57070	GenConn Devon LLC	GenConn Devon LLC	2 - NAICS-22 Non-Cogen
105	0251	07780	2708911	MILFORD POWER CO, LLC	MILFORD POWER CO LLC	55126	Milford Power Project	Milford Power Co LLC	2 - NAICS-22 Non-Cogen
107	0005	07741	552611	MONTVILLE POWER, LLC	NRG ENERGY, INC.	546	Montville Station	NRG Montville Operations Inc	2 - NAICS-22 Non-Cogen
117	0551	08087	643411	PSEG FOSSIL LLC/ POWER CT LLC	PSEG POWER CT, LLC	6156	New Haven Harbor	PSEG Power Connecticut LLC	2 - NAICS-22 Non-Cogen
130	0006	01672	845911	KIMBERLY-CLARK CORP	KIMBERLY CLARK CORP	58084	Kimberly Clark-Unit 1,2,3	Kimberly-Clark Corporation	7 - Industrial NAICS Cogen
139	0105	06101	16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH, CITY OF	581	North Main Street	City of Norwich - (CT)	1 - Electric Utility
145	0074	08772	16734111	PLAINFIELD RENEWABLE ENRGY LLC	Leidos, Inc.	56847	Plainfield Renewable Energy LLC	Plainfield Renewable Energy, LLC	2 - NAICS-22 Non-Cogen
150	0001	08542	16708111	Tunnel Station	FirstLight Hydro Generating Company, LLC	557	Tunnel	FirstLight Power Resources Services LLC	2 - NAICS-22 Non-Cogen
150	0012	06032	754611	COVANTA SOUTHEASTERN CT CO	COVANTA ENERGY CORPORATION	10646	Covanta Southeastern Connecticut Company	Covanta Southeastern Connecticut Company	2 - NAICS-22 Non-Cogen
170	0002	08694	552711	Fusion Paperboard Connecticut LLC	Fusion Paperboard Connecticut LLC	54657	Versailles Mill	Fusion Paperboard Connecticut LLC	7 - Industrial NAICS Cogen
172	0026	08048	14623611	WATERSIDE POWER LLC	WATERSIDE POWER LLC	56189	Waterside Power, LLC	Waterside Power, LLC	2 - NAICS-22 Non-Cogen

Town	Premises	Client	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
176	0005	08685	2766111	ReEnergy Sterling	ReEnergy Sterling CT Limited Partnership	50736	Exeter Energy LP	ReEnergy Sterling CT LP	2 - NAICS-22 Non-Cogen
183	0024	07741	16712111	Connecticut Jet Power LLC, Franklin Drive	NRG ENERGY, INC.	561	Franklin Drive	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
183	0043	07741	16708411	Connecticut Jet Power LLC, Torrington Terminal	NRG ENERGY, INC.	565	Torrington Terminal	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
189	0114	08224	14624411	PIERCE GENERATING STATION (Wallingford)	CT MUNICIPAL ELEC ENERGY CO-OP	6635	A L Pierce	Connecticut Mun Elec Engy Coop	1 - Electric Utility
189	0114	08691	14624011	Wallingford Energy LLC	Wallingford Energy LLC	55517	Wallingford Energy	Wallingford Energy LLC	2 - NAICS-22 Non-Cogen
189	0178	06590	589911	COVANTA PROJECTS OF WALLINGFORD, L.P.	COVANTA ENERGY, INC	50664	Covanta Wallingford Energy	Covanta Projects LP	4 - Commercial NAICS Non-Cogen
192	0005	08468	15588211	WATERBURY GENERATION, LLC	FIRST LIGHT RESRCE SRVCE, LLC	56629	Waterbury Generation	FirstLight Power Resources Services LLC	2 - NAICS-22 Non-Cogen
213	0001	08095	589711	ALGONQUIN POWER WINDSOR LOCKS	ALGONQUIN POWER MGMT, INC	10567	Algonquin Windsor Locks	Algonquin Windsor Locks LLC	3 - NAICS-22 Cogen

Table H-3: Connecticut Facility Level Classification of Industrial, Commercial or Not Applicable to 2014 Point Reconciliation

Town	Premises	Client	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
013	0001	00362	15588311	The Gilman Brothers Company	3261	Industrial	NEMO Table 6
014	0004	07741	16708311	Connecticut Jet Power LLC, Branford Substation	221112	Electrical Generation	EIA 923
015	0017	08751	754211	Sprague Operating Resources, LLC	45431	Commercial	NEMO Table 6
015	0045	08087	754311	PSEG PWR CT LLC/BPT HARBOR STA.	221112	Electrical Generation	EIA 923
015	0765	08786	754411	WHEELABRATOR BRIDGEPORT LP	562213	Electrical Generation	EIA 923
015	0862	06859	754511	BRIDGEPORT ENERGY LLC	221112	Electrical Generation	EIA 923
026	0202	06590	588711	COVANTA BRISTOL, INC	562213	Electrical Generation	EIA 923
028	0049	08044	14621711	IROQUOIS PIPELINE OPERATING CO	48621	Electrical Generation	NEMO Table 6
034	0002	08483	751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	48621	Electrical Generation	NEMO Table 6
043	0005	08483	2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	48621	Electrical Generation	NEMO Table 6
044	0226	03050	2722211	KINGSWOOD KITCHENS INC	337110	Industrial	NEMO Table 6
053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	336412	Industrial	EIA 923
054	0005	01457	897811	NEW HAVEN TERMINAL, INC	4931	Commercial	NEMO Table 6
067	0017	07741	2722511	CONNECTICUT JET POWER, LLC	221112	Electrical Generation	EIA 923
070	0004	00089	921211	PFIZER INC	325411	Industrial	EIA 923
070	0005	00046	922211	ELECTRIC BOAT CORP	336611	Industrial	NEMO Table 6
070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	92811	Commercial	NEMO Table 6
075	0158	05497	715611	C R R A / MID-CONNECTICUT	562213	Electrical Generation	EIA 923
075	0505	01046	552311	M D C /HARTFORD WPCF	221320	Commercial	NEMO Table 6

Town	Premises	Client	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
075	0761	05497	14624511	C R R A / HARTFORD LANDFILL	562212	Commercial	NEMO Table 6
075	0766	08310	844911	Capitol District Energy Center Cogeneration Associates	221330	Electrical Generation	EIA 923
089	0065	07514	2765911	FRITO-LAY INC	311919	Industrial	NEMO Table 6
089	0080	07442	844711	LAKE ROAD GENERATING CO, L.P.	221112	Electrical Generation	EIA 923
092	0002	08497	15588411	AMERICAS STYRENICS, LLC	325211	Industrial	NEMO Table 6
092	0002	08661	15588511	Styron LLC - Allyn's Point	325211	Industrial	NEMO Table 6
093	0014	02245	8501611	WHEELABRATOR LISBON INC	562213	Electrical Generation	EIA 923
097	0225	00197	14622811	Manchester Landfill Premises	562212	Commercial	NEMO Table 6
098	0015	01138	642611	UNIV OF CT / STORRS	611310	Commercial	NEMO Table 6
104	0007	00130	920511	PRATT & WHITNEY DIV UTC	336412	Industrial	NEMO Table 6
104	0024	07741	715711	MIDDLETOWN POWER LLC	221112	Electrical Generation	EIA 923
104	0246	08070	14622911	KLEEN ENERGY SYSTEM PROJECT	221112	Electrical Generation	EIA 923
105	0014	07741	590011	DEVON POWER, LLC	221112	Electrical Generation	EIA 923
105	0251	07780	2708911	MILFORD POWER CO, LLC	221112	Electrical Generation	EIA 923
107	0004	08708	2662011	RockTenn	322130	Industrial	NEMO Table 6
107	0005	07741	552611	MONTVILLE POWER, LLC	221112	Electrical Generation	EIA 923
107	0044	05779	920711	AES Thames LLC	221112	Electrical Generation	NEMO Table 6
110	0282	00110	918811	STANLEY TOOLS DIV	332216	Industrial	NEMO Table 6
117	0048	00205	843911	YALE UNIV /CENTRAL POWER PLT	61131	Commercial	NEMO Table 6
117	0049	00205	898111	YALE UNIV, SCHOOL OF MEDICINE	61131	Commercial	NEMO Table 6
117	0053	07461	555511	MOTIVA ENTERPRISES LLC	45431	Commercial	NEMO Table 6

Town	Premises	Client	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
117	0088	06566	918711	GULF OIL L.P.	45431	Commercial	NEMO Table 6
117	0120	01457	555611	NEW HAVEN TERMINAL, INC	49319	Commercial	NEMO Table 6
117	0212	07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	49319	Commercial	NEMO Table 6
117	0519	07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	49319	Commercial	NEMO Table 6
117	0551	08087	643411	PSEG FOSSIL LLC/ POWER CT LLC	221112	Electrical Generation	EIA 923
130	0006	01672	845911	KIMBERLY-CLARK CORP	32212	Industrial	EIA 923
130	0067	02245	2673811	WASTE MANAGEMENT OF CT INC	562213	Commercial	NEMO Table 6
135	0117	05244	14623211	UNITED ALUMINUM CORP	331315	Industrial	NEMO Table 6
137	0003	01727	552411	NORWALK HOSPITAL ASSOCIATION.	622110	Commercial	NEMO Table 6
139	0105	06101	16708211	NORWICH PUBLIC UTIL/ELECT	221112	Electrical Generation	EIA 923
145	0074	08772	16734111	PLAINFIELD RENEWABLE ENRGY LLC	221118	Electrical Generation	EIA 923
150	0001	08542	16708111	Tunnel Station	221112	Electrical Generation	EIA 923
150	0012	06032	754611	COVANTA SOUTHEASTERN CT CO	562213	Electrical Generation	EIA 923
152	0008	05365	844811	TEGRANT DIVERSIFIED BRANDS,INC	3261	Industrial	NEMO Table 6
155	0004	06114	2753711	CITGO PETROLEUM CORP	45431	Commercial	NEMO Table 6
155	0015	00142	2753811	CTG Resources	221210	Commercial	NEMO Table 6
168	0110	04470	2673711	SUPREME LAKE MFG CO	332721	Industrial	NEMO Table 6
170	0002	08694	552711	Fusion Paperboard Connecticut LLC	322130	Industrial	EIA 923
172	0026	08048	14623611	WATERSIDE POWER LLC	221112	Electrical Generation	EIA 923
172	0091	08762	588811	PolyOne Designed Structures and Solutions	326113	Industrial	NEMO Table 6
176	0005	08685	2766111	ReEnergy Sterling	221118	Electrical Generation	EIA 923

Town	Premises	Client	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
178	0005	00130	642511	SIKORSKY AIRCRAFT	336411	Industrial	NEMO Table 6
178	0060	04680	14623811	BRIDGEPORT INSULATED WIRE CO	331420	Industrial	NEMO Table 6
178	0167	06023	533411	Cray Valley USA, LLC	325199	Industrial	NEMO Table 6
178	0223	05988	589611	HAMPFORD RESEARCH INC	325199	Industrial	NEMO Table 6
178	0231	05239	14623911	STRATFORD SCHOOL FOR AVIATION	6115	Commercial	NEMO Table 6
183	0024	07741	16712111	Connecticut Jet Power LLC, Franklin Drive	221112	Electrical Generation	EIA 923
183	0043	07741	16708411	Connecticut Jet Power LLC, Torrington Terminal	221112	Electrical Generation	EIA 923
189	0027	08277	15588611	EVONIK CYRO LLC	325211	Industrial	NEMO Table 6
189	0027	08763	658111	Allnex USA, Inc	325211	Industrial	NEMO Table 6
189	0076	06012	2711211	AMETEK SPECIALTY METAL PRODUCT	331491	Industrial	NEMO Table 6
189	0114	08224	14624411	PIERCE GENERATING STATION (Wallingford)	221112	Electrical Generation	EIA 923
189	0114	08691	14624011	Wallingford Energy LLC	221112	Electrical Generation	EIA 923
189	0178	06590	589911	COVANTA PROJECTS OF WALLINGFORD, L.P.	562213	Commercial	EIA 923
192	0005	08468	15588211	WATERBURY GENERATION, LLC	221112	Electrical Generation	EIA 923
192	0053	08474	555711	SOMERS THIN STRIP	331420	Industrial	NEMO Table 6
199	0003	08003	590111	Millstone Power Station	221113	Electrical Generation	NEMO Table 6
200	0026	08709	587911	Albea Metal Americas Inc.	33211	Industrial	NEMO Table 6
200	0052	06689	2711411	Braxton Manufacturing Company, Inc.	332119	Industrial	NEMO Table 6
213	0001	08095	589711	ALGONQUIN POWER WINDSOR LOCKS	221112	Electrical Generation	EIA 923
213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	33641	Industrial	NEMO Table 6

Table H-4: Connecticut Facility Level Data for Industrial and Commercial/Institutional for 2014 Point Reconciliation

Town	Premises	Client	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Use	Unit
013	0001	00362	15588311	The Gilman Brothers Company	Industrial	Distillate Fuel Oil	54.811	E3GAL
015	0017	08751	754211	Sprague Operating Resources, LLC	Commercial	Distillate Fuel Oil	0.1827	E3GAL
044	0226	03050	2722211	KINGSWOOD KITCHENS INC	Industrial	Distillate Fuel Oil	15.268	E3GAL
053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	Distillate Fuel Oil	643.6653	E3GAL
053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	Kerosene	291.175	E3GAL
053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	LPG	0.248	E3GAL
053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	Natural Gas	799.2509	E6FT3
070	0004	00089	921211	PFIZER INC	Industrial	Distillate Fuel Oil	129.27	E3GAL
070	0004	00089	921211	PFIZER INC	Industrial	LPG	0.077	E3GAL
070	0004	00089	921211	PFIZER INC	Industrial	Natural Gas	1425.105	E6FT3
070	0005	00046	922211	ELECTRIC BOAT CORP	Industrial	Distillate Fuel Oil	4.84	E3GAL
070	0005	00046	922211	ELECTRIC BOAT CORP	Industrial	LPG	0	E3GAL
070	0005	00046	922211	ELECTRIC BOAT CORP	Industrial	Natural Gas	188.75	E6FT3
070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	Commercial	Distillate Fuel Oil	509.3077	E3GAL
070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	Commercial	LPG	0	E3GAL
070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	Commercial	Natural Gas	557.1489	E6FT3
075	0505	01046	552311	M D C /HARTFORD WPCF	Commercial	Distillate Fuel Oil	67.333	E3GAL
075	0505	01046	552311	M D C /HARTFORD WPCF	Commercial	LPG	0	E3GAL
075	0505	01046	552311	M D C /HARTFORD WPCF	Commercial	Natural Gas	103.7965	E6FT3
075	0761	05497	14624511	C R R A / HARTFORD LANDFILL	Commercial	Distillate Fuel Oil	1.982	E3GAL
075	0761	05497	14624511	C R R A / HARTFORD LANDFILL	Commercial	LPG	0.0275	E3GAL
075	0761	05497	14624511	C R R A / HARTFORD LANDFILL	Commercial	Natural Gas	0	E6FT3
089	0065	07514	2765911	FRITO-LAY INC	Industrial	Distillate Fuel Oil	1.028	E3GAL
089	0065	07514	2765911	FRITO-LAY INC	Industrial	LPG	9.949	E3GAL
089	0065	07514	2765911	FRITO-LAY INC	Industrial	Natural Gas	743.7296	E6FT3
089	0065	07514	2765911	FRITO-LAY INC	Industrial	Residual Fuel Oil	0	E3GAL
092	0002	08497	15588411	AMERICAS STYRENICS, LLC	Industrial	Distillate Fuel Oil	1.22	E3GAL

Town	Premises	Client	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Use	Unit
092	0002	08497	15588411	AMERICAS STYRENICS, LLC	Industrial	Natural Gas	41.9	E6FT3
092	0002	08661	15588511	Styron LLC - Allyn's Point	Industrial	Distillate Fuel Oil	37.851	E3GAL
092	0002	08661	15588511	Styron LLC - Allyn's Point	Industrial	Natural Gas	121.642	E6FT3
097	0225	00197	14622811	Manchester Landfill Premises	Commercial	Distillate Fuel Oil	11.453	E3GAL
097	0225	00197	14622811	Manchester Landfill Premises	Commercial	LPG	0.48	E3GAL
097	0225	00197	14622811	Manchester Landfill Premises	Commercial	Natural Gas	11.4517	E6FT3
098	0015	01138	642611	UNIV OF CT / STORRS	Commercial	Distillate Fuel Oil	817.604	E3GAL
098	0015	01138	642611	UNIV OF CT / STORRS	Commercial	LPG	4.558	E3GAL
098	0015	01138	642611	UNIV OF CT / STORRS	Commercial	Natural Gas	1565.914	E6FT3
104	0007	00130	920511	PRATT & WHITNEY DIV UTC	Industrial	Distillate Fuel Oil	8.869	E3GAL
104	0007	00130	920511	PRATT & WHITNEY DIV UTC	Industrial	Kerosene	1721.78	E3GAL
104	0007	00130	920511	PRATT & WHITNEY DIV UTC	Industrial	LPG	6.898	E3GAL
104	0007	00130	920511	PRATT & WHITNEY DIV UTC	Industrial	Natural Gas	642.801	E6FT3
107	0004	08708	2662011	RockTenn	Industrial	Natural Gas	835.03	E6FT3
107	0004	08708	2662011	RockTenn	Industrial	Residual Fuel Oil	41.829	E3GAL
110	0282	00110	918811	STANLEY TOOLS DIV	Industrial	Natural Gas	45.31	E6FT3
117	0048	00205	843911	YALE UNIV /CENTRAL POWER PLT	Commercial	Distillate Fuel Oil	760.461	E3GAL
117	0048	00205	843911	YALE UNIV /CENTRAL POWER PLT	Commercial	Natural Gas	1752.28	E6FT3
117	0049	00205	898111	YALE UNIV, SCHOOL OF MEDICINE	Commercial	Distillate Fuel Oil	763.64	E3GAL
117	0049	00205	898111	YALE UNIV, SCHOOL OF MEDICINE	Commercial	Natural Gas	1759.705	E6FT3
117	0053	07461	555511	MOTIVA ENTERPRISES LLC	Commercial	Distillate Fuel Oil	3.899	E3GAL
117	0053	07461	555511	MOTIVA ENTERPRISES LLC	Commercial	Natural Gas	1.005	E6FT3
117	0120	01457	555611	NEW HAVEN TERMINAL, INC	Commercial	Natural Gas	2.32	E6FT3
117	0212	07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	Commercial	Natural Gas	6.08	E6FT3
117	0519	07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	Commercial	Distillate Fuel Oil	0	E3GAL
130	0006	01672	845911	KIMBERLY-CLARK CORP	Industrial	Distillate Fuel Oil	2.3411	E3GAL
130	0006	01672	845911	KIMBERLY-CLARK CORP	Industrial	Natural Gas	2750.735	E6FT3

Town	Premises	Client	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Use	Unit
135	0117	05244	14623211	UNITED ALUMINUM CORP	Industrial	Distillate Fuel Oil	0.057	E3GAL
135	0117	05244	14623211	UNITED ALUMINUM CORP	Industrial	Natural Gas	19.5717	E6FT3
137	0003	01727	552411	NORWALK HOSPITAL ASSOCIATION.	Commercial	Distillate Fuel Oil	16.423	E3GAL
137	0003	01727	552411	NORWALK HOSPITAL ASSOCIATION.	Commercial	Natural Gas	178.7	E6FT3
152	0008	05365	844811	TEGRANT DIVERSIFIED BRANDS,INC	Industrial	Distillate Fuel Oil	0	E3GAL
152	0008	05365	844811	TEGRANT DIVERSIFIED BRANDS,INC	Industrial	Natural Gas	35	E6FT3
155	0015	00142	2753811	CTG Resources	Commercial	Natural Gas	2.942	E6FT3
170	0002	08694	552711	Fusion Paperboard Connecticut LLC	Industrial	Distillate Fuel Oil	0.3418	E3GAL
170	0002	08694	552711	Fusion Paperboard Connecticut LLC	Industrial	LPG	0	E3GAL
170	0002	08694	552711	Fusion Paperboard Connecticut LLC	Industrial	Natural Gas	1033.092	E6FT3
170	0002	08694	552711	Fusion Paperboard Connecticut LLC	Industrial	Residual Fuel Oil	136.667	E3GAL
172	0091	08762	588811	PolyOne Designed Structures and Solutions	Industrial	Distillate Fuel Oil	0.8847	E3GAL
172	0091	08762	588811	PolyOne Designed Structures and Solutions	Industrial	Natural Gas	67.32	E6FT3
178	0005	00130	642511	SIKORSKY AIRCRAFT	Industrial	Distillate Fuel Oil	257.1778	E3GAL
178	0005	00130	642511	SIKORSKY AIRCRAFT	Industrial	Natural Gas	1029.363	E6FT3
178	0060	04680	14623811	BRIDGEPORT INSULATED WIRE CO	Industrial	Natural Gas	2.519	E6FT3
178	0167	06023	533411	Cray Valley USA, LLC	Industrial	Natural Gas	6.9	E6FT3
178	0223	05988	589611	HAMPFORD RESEARCH INC	Industrial	Distillate Fuel Oil	1.4	E3GAL
178	0223	05988	589611	HAMPFORD RESEARCH INC	Industrial	Natural Gas	0.05	E6FT3
178	0231	05239	14623911	STRATFORD SCHOOL FOR AVIATION	Commercial	Kerosene	0.023	E3GAL
178	0231	05239	14623911	STRATFORD SCHOOL FOR AVIATION	Commercial	Natural Gas	2.06	E6FT3
189	0027	08277	15588611	EVONIK CYRO LLC	Industrial	Distillate Fuel Oil	0.13	E3GAL
189	0027	08277	15588611	EVONIK CYRO LLC	Industrial	LPG	4.9	E3GAL
189	0027	08277	15588611	EVONIK CYRO LLC	Industrial	Natural Gas	8.16	E6FT3
189	0027	08763	658111	Allnex USA, Inc	Industrial	Distillate Fuel Oil	2.2077	E3GAL
189	0027	08763	658111	Allnex USA, Inc	Industrial	LPG	0.0588	E3GAL
189	0027	08763	658111	Allnex USA, Inc	Industrial	Natural Gas	377.6843	E6FT3

Town	Premises	Client	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Use	Unit
189	0178	06590	589911	COVANTA PROJECTS OF WALLINGFORD, L.P.	Commercial	Distillate Fuel Oil	94	E3GAL
192	0053	08474	555711	SOMERS THIN STRIP	Industrial	Distillate Fuel Oil	0.303	E3GAL
192	0053	08474	555711	SOMERS THIN STRIP	Industrial	Natural Gas	46.0384	E6FT3
200	0026	08709	587911	Albea Metal Americas Inc.	Industrial	Natural Gas	3.306	E6FT3
213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	Distillate Fuel Oil	1.8142	E3GAL
213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	Kerosene	0	E3GAL
213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	LPG	4.229	E3GAL
213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	Natural Gas	530.5835	E6FT3

Table H-5: Connecticut Statewide Summary Data for Industrial and Commercial/Institutional for 2014 Point Reconciliation

Sector	Fuel Type	Total Fuel Use	Unit
Commercial	Distillate Fuel Oil	3,046.29	E3GAL
Commercial	Kerosene	0.0230	E3GAL
Commercial	LPG	5.066	E3GAL
Commercial	Natural Gas	5,943.40	E6FT3
Industrial	Distillate Fuel Oil	1,163.48	E3GAL
Industrial	Kerosene	2,012.96	E3GAL
Industrial	LPG	26.36	E3GAL
Industrial	Natural Gas	10,753.84	E6FT3
Industrial	Residual Fuel Oil	178.50	E3GAL

Table H-6: Connecticut Statewide Summary Data for Industrial and Commercial/Institutional for 2014 Point Reconciliation with Adjustment for Missing Electrical Generation Activity

Point SCC	Sector	Fuel Type	Total Fuel Use	Unit
1-03-005-01	Commercial	Distillate Fuel Oil	2,577.79	E3GAL
2-03-009-01	Commercial	Kerosene	0.02	E3GAL
1-03-010-02	Commercial	LPG	5.07	E3GAL
2-03-002-02	Commercial	Natural Gas	4,600.40	E6FT3
1-02-005-01	Industrial	Distillate Fuel Oil	1,163.48	E3GAL
2-02-009-01	Industrial	Kerosene	2,012.96	E3GAL
1-02-010-02	Industrial	LPG	26.36	E3GAL
2-02-002-01	Industrial	Natural Gas	10,753.84	E6FT3
1-02-004-01	Industrial	Residual Fuel Oil	178.50	E3GAL

Table H-7: Connecticut Summary Data for Industrial and Commercial/Institutional for 2014 Point Reconciliation

Sector Assignment	Distillate Oil Point Reconcilation
Commercial/Institutional	
Fairfield	33.33%
Hartford	28.08%
Litchfield	2.94%
Middlesex	3.64%
New Haven	21.88%
New London	6.37%
Tolland	2.02%
Windham	1.75%
Commercial/Institutional Total	**100%**
Industrial	
Fairfield	21.93%
Hartford	29.96%
Litchfield	5.89%
Middlesex	6.45%
New Haven	21.54%
New London	8.31%
Tolland	2.20%
Windham	3.74%
Industrial Total	**100%**

Table H-8: Connecticut 2014 Point Data Associated with SCC 25-01-050-120 Based on EPA's Bulk Terminal SCC Crosswalk

County	Town	Premises	Client	EIS Facility Identifier	Site Name	Point SCC	Annual Gasoline Throughput [E3GAL]	Total VOC Emissions [TPY]	Total Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
FAIRFIELD	015	0017	08751	754211	Sprague Operating Resources, LLC	4-04-001-01	74.9	0.00	0.00	0	1
FAIRFIELD	015	0017	08751	754211	Sprague Operating Resources, LLC	4-04-001-11	411,664.2	26.01	26.01	0	1
FAIRFIELD	015	0017	08751	754211	Sprague Operating Resources, LLC	4-04-001-51	0	0.93	0.93	0	1
FAIRFIELD	015	0017	08751	754211	Sprague Operating Resources, LLC	4-06-001-41	232,641.0	8.64	322.34	97.32	37.30
HARTFORD	155	0004	06114	2753711	CITGO PETROLEUM CORP	4-04-001-71	88,855.0	12.08	12.08	0	1
HARTFORD	155	0004	06114	2753711	CITGO PETROLEUM CORP	4-04-001-78	0	0	0	0	1
HARTFORD	155	0004	06114	2753711	CITGO PETROLEUM CORP	4-06-001-41	98,727.0	9.38	396.83	97.64	42.31
NEW HAVEN	117	0053	07461	555511	MOTIVA ENTERPRISES LLC	4-04-001-13	99,111.6	0.49	16.27	97.00	33.33
NEW HAVEN	117	0053	07461	555511	MOTIVA ENTERPRISES LLC	4-04-001-41	61,862.9	0.44	14.60	97.00	33.33
NEW HAVEN	117	0053	07461	555511	MOTIVA ENTERPRISES LLC	4-04-001-61	37,802.4	4.89	162.93	97.00	33.33
NEW HAVEN	117	0053	07461	555511	MOTIVA ENTERPRISES LLC	4-04-001-71	311,892.4	7.67	255.50	97.00	33.33
NEW HAVEN	117	0053	07461	555511	MOTIVA ENTERPRISES LLC	4-06-001-41	567,373.0	23.70	1,322.54	98.21	55.80
NEW HAVEN	117	0088	06566	918711	GULF OIL L.P.	4-04-001-10	90,671.1	3.99	3.99	0	1
NEW HAVEN	117	0088	06566	918711	GULF OIL L.P.	4-04-001-11	300,634.7	18.88	18.88	0	1
NEW HAVEN	117	0088	06566	918711	GULF OIL L.P.	4-06-001-41	368,016.6	22.30	1,120.04	98.01	50.23
NEW HAVEN	117	0212	07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	4-04-001-62	212,400.2	22.06	22.06	0	1
NEW HAVEN	117	0212	07884	844411	MAGELLAN TERMINALS HOLDINGS,LP (Forbes Ave)	4-06-001-41	164,722.6	0.95	413.35	99.77	434.78
NEW HAVEN	117	0519	07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	4-04-001-01	0	0	0	0	1
NEW HAVEN	117	0519	07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	4-04-001-11	0	0	0	0	1
NEW HAVEN	117	0519	07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	4-04-001-62	301,481.3	30.87	30.87	0	1
NEW HAVEN	117	0519	07884	843211	MAGELLAN TERMINALS HOLDINGS,LP	4-06-001-41	207,954.3	12.18	954.39	98.72	78.36
Statewide Bulk Terminal and Bulk Plant Total							**3,555,885.1**	**205.4**	**5,093.6**		

Table H-9: Connecticut Facilites Missing from Reported 2014 Point Data Associated with SCC 25-01-050-120 Based on EPA's Bulk Terminal SCC Crosswalk

County	Town	Premises	Site Name	Year of Data	Annual VOC Emissions [TPY]	Summer Day VOC Emissions [lb/day]
Fairfield	15	149	GLOBAL COMPANIES, LLC	2014 GPLPE Total	0.93	5.3‡
Hartford	207	9	BUCKEYE PIPE LINE HOLDINGS	2005	1.94	5.0
New Haven	117	35	MAGELLAN ENERGY VENTURES INC	1997	0.07	0.4
Statewide Bulk Terminal and Bulk Plant Total					**2.94**	**10.7**

‡Annual 2014 VOC emissions were reported as part of synthetic minor site wide reporting (GPLPE reporting), which does not require summer day emissions reporting. The value of 5.3 lb/day was calculated from point reported data for the facility for the latest available (1996) reporting period.

Table H-10: Connecticut Facility Reported 2014 Point Emission Data Associated with the SCC Crosswalk in the EPA's Solvent Tool Version 1.7 by Process Identifier and Point SCC

County	Town	Premises	Client	EIS Facility Identifier	Site Name	EIS Emissions Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
Fairfield	015	0017	08751	754211	Sprague Operating Resources, LLC	140148514	4-90-999-98	0	0		
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	140165714	4-01-003-99	0	0	99.9	1000
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	47421314	4-02-019-01	2.721	2.721		
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	47421914	4-02-019-01	0.203	0.203		
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	47421814	4-02-019-01	1.523	1.523		
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	47421714	4-02-019-01	1.439	1.439		
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	47421614	4-02-019-01	0	0		
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	47421514	4-02-019-01	0.397	0.397		
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	47421414	4-02-019-01	0	0		
Fairfield	044	0226	03050	2722211	KINGSWOOD KITCHENS INC	140165514	4-02-019-99	0.002	0.002		
Fairfield	172	0091	08762	588811	PolyOne Designed Structures and Solutions	48214214	4-02-022-01	0.034	1.158	97.1	34.48
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	140179714	4-01-003-99	0.298	0.298		
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	47352514	4-02-024-01	0.460	0.460		
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	47352014	4-02-024-01	0.114	0.114		
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	47351914	4-02-024-01	2.502	2.502		

County	Town	Premises	Client	EIS Facility Identifier	Site Name	EIS Emissions Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	47351714	4-02-024-01	0.204	0.204		
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	47350114	4-02-024-01	0.470	0.470		
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	140179414	4-02-024-01	0.051	0.051		
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	47352414	4-02-024-01	0.445	0.445		
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	47352614	4-02-024-99	1.308	1.308		
Fairfield	178	0005	00130	642511	SIKORSKY AIRCRAFT	47350314	4-90-999-98	15.455	15.455		
Fairfield	178	0060	04680	14623811	BRIDGEPORT INSULATED WIRE CO	140185714	4-02-009-01	0.102	0.102		
Fairfield	178	0060	04680	14623811	BRIDGEPORT INSULATED WIRE CO	120549114	4-02-015-01	0.041	1.792	97.7	43.65
Fairfield	178	0060	04680	14623811	BRIDGEPORT INSULATED WIRE CO	140185614	4-02-015-01	0.153	0.153		
Fairfield	178	0167	06023	533411	Cray Valley USA, LLC	47431814	4-90-999-98	15.315	306.300	95	20
Fairfield	178	0167	06023	533411	Cray Valley USA, LLC	47431714	4-90-999-98	4.980	99.600	95	20
Fairfield	178	0167	06023	533411	Cray Valley USA, LLC	47431614	4-90-999-98	4.980	99.600	95	20
Fairfield	178	0231	05239	14623911	STRATFORD SCHOOL FOR AVIATION	140185814	4-01-003-07	0.026	0.026		
Fairfield	178	0231	05239	14623911	STRATFORD SCHOOL FOR AVIATION	120549314	4-02-001-01	0.009	0.009		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	140164914	4-01-003-03	0	0		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47537314	4-01-003-07	1.907	1.907		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47535114	4-02-001-01	0.070	0.070		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47536814	4-02-009-01	0.048	0.048		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47535014	4-02-024-01	0.020	0.020		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47535314	4-02-024-01	0.020	0.020		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47535414	4-02-024-01	0.003	0.003		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47536214	4-02-024-01	0.011	0.011		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47536314	4-02-024-01	0	0		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47536414	4-02-024-01	0.000	0.000		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	140165014	4-02-024-99	0.003	0.003		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	140165314	4-02-024-99	0.002	0.002		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	158326714	4-02-024-99	0.000	0.000		

County	Town	Premises	Client	EIS Facility Identifier	Site Name	EIS Emissions Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	158326614	4-02-024-99	0.004	0.004		
Hartford	053	0009	00130	2673411	PRATT & WHITNEY DIV UTC	47535214	4-02-024-99	0	0		
Hartford	097	0225	00197	14622811	Manchester Landfill Premises	120541314	4-90-999-98	0.001	0.001		
Hartford	097	0225	00197	14622811	Manchester Landfill Premises	120541514	4-90-999-98	0.606	0.606		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	140175214	4-01-003-99	0.260	0.260		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	47427314	4-02-018-05	0	0		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	154638714	4-02-018-05	0.005	0.005		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	47427414	4-02-018-06	0.309	0.309		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	47427214	4-02-018-99	12.457	12.457		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	47427114	4-02-018-99	10.785	10.785		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	47427014	4-02-018-99	15.156	15.156		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	140175514	4-02-018-99	0	0		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	140176414	4-05-003-01	0.015	0.015		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	140175114	4-90-999-98	2.019	2.019		
Hartford	110	0282	00110	918811	STANLEY TOOLS DIV	140176314	4-90-999-98	0.088	0.088		
Hartford	155	0015	00142	2753811	CTG Resources	140178114	4-01-003-03	0	0		
Hartford	168	0110	04470	2673711	SUPREME LAKE MFG CO	120546814	4-01-002-04	0	0		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48400614	4-02-009-12	2.606	2.606		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48560714	4-02-009-17	0.067	0.067		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48561014	4-02-009-18	0.318	0.318		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48561114	4-02-009-20	7.356	7.356		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48560914	4-02-009-22	0.165	0.165		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48400014	4-02-024-01	0.159	0.159		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48398014	4-02-024-01	0.013	0.013		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48397814	4-02-024-01	0.006	0.006		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48397914	4-02-024-99	0.830	0.830		
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	140179814	4-02-999-98	0	0		

County	Town	Premises	Client	EIS Facility Identifier	Site Name	EIS Emissions Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
Hartford	213	0002	00130	753011	HAMILTON SUNDSTRAND CORP	48400114	4-90-999-98	1.324	1.324		
Litchfield	130	0006	01672	845911	KIMBERLY-CLARK CORP	48958814	4-01-003-03	0.118	0.118		
Litchfield	130	0006	01672	845911	KIMBERLY-CLARK CORP	48959014	4-05-888-01	0.003	0.003		
Litchfield	200	0026	08709	587911	Albea Metal Americas Inc.	48848014	4-02-025-01	0.010	0.500	98	50
Middlesex	043	0005	08483	2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	148290714	4-90-999-98	4.770	4.770		
Middlesex	043	0005	08483	2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	48745914	4-90-999-98	0.080	0.080		
Middlesex	104	0007	00130	920511	PRATT & WHITNEY DIV UTC	48743014	4-02-009-01	3.930	3.930		
Middlesex	104	0007	00130	920511	PRATT & WHITNEY DIV UTC	48692714	4-02-009-18	0.176	0.176		
Middlesex	104	0007	00130	920511	PRATT & WHITNEY DIV UTC	48742914	4-02-024-01	0.104	0.104		
Middlesex	104	0007	00130	920511	PRATT & WHITNEY DIV UTC	140160714	4-02-024-01	0.056	0.056		
Middlesex	104	0007	00130	920511	PRATT & WHITNEY DIV UTC	48744414	4-02-024-01	0.077	0.077		
Middlesex	104	0007	00130	920511	PRATT & WHITNEY DIV UTC	48691814	4-02-025-01	2.783	2.783		
New Haven	117	0049	00205	898111	YALE UNIV, SCHOOL OF MEDICINE	140169614	4-02-001-01	0	0		
New Haven	117	0053	07461	555511	MOTIVA ENTERPRISES LLC	48179214	4-90-999-98	2.130	2.130		
New Haven	189	0027	08763	658111	Allnex USA, Inc	48565914	4-90-999-98	0.245	0.245		
New Haven	189	0027	08763	658111	Allnex USA, Inc	48567914	4-90-999-98	3.570	3.570		
New Haven	189	0076	06012	2711211	AMETEK SPECIALTY METAL PRODUCT	120554614	4-01-002-25	4.230	4.230		
New Haven	189	0076	06012	2711211	AMETEK SPECIALTY METAL PRODUCT	120554714	4-01-002-25	0	0		
New Haven	192	0053	08474	555711	SOMERS THIN STRIP	140178414	4-01-002-04	0	0		
New Haven	192	0053	08474	555711	SOMERS THIN STRIP	48171614	4-02-009-14	2.480	2.480		
New London	070	0005	00046	922211	ELECTRIC BOAT CORP	48259314	4-02-001-01	5.124	5.124		
New London	070	0005	00046	922211	ELECTRIC BOAT CORP	140152214	4-02-001-01	0.005	0.005		
New London	070	0005	00046	922211	ELECTRIC BOAT CORP	48114814	4-02-001-01	0.173	0.173		
New London	070	0005	00046	922211	ELECTRIC BOAT CORP	48259814	4-02-023-01	0	0		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158614	4-01-003-05	0	0		

County	Town	Premises	Client	EIS Facility Identifier	Site Name	EIS Emissions Process Identifier	Point SCC	Reported Controlled VOC Emissions [TPY]	Uncontrolled VOC Emissions [TPY]	Overall Control Efficiency [%]	Uncontrolled Multiplier Factor
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158114	4-01-003-99	0	0		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158514	4-02-001-01	3.724	3.724		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158314	4-02-001-01	0	0		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158214	4-02-001-01	0.325	0.325		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158014	4-02-001-01	0	0		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140157814	4-02-001-01	0.049	0.049		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158714	4-02-008-01	0	0		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	48110914	4-02-009-10	0	0		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	48110814	4-02-009-20	0	0		
New London	070	0028	00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	48112214	4-02-009-24	0	0		
New London	092	0002	08497	15588411	AMERICAS STYRENICS, LLC	151858914	4-01-888-98	0.702	0.702		
New London	170	0002	08694	552711	Fusion Paperboard Connecticut LLC	158330314	4-01-002-96	0.051	0.051		
New London	170	0002	08694	552711	Fusion Paperboard Connecticut LLC	48210714	4-02-013-10	99.760	99.760		
New London	199	0003	08003	590111	Millstone Power Station	140173414	4-01-002-96	0	0		
Windham	034	0002	08483	751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	148291014	4-90-999-98	1.940	1.940		
Windham	034	0002	08483	751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	140149214	4-90-999-98	0.046	0.046		
Windham	089	0065	07514	2765911	FRITO-LAY INC	48331414	4-01-003-03	0.020	0.020		

Table H-11: Connecticut Facility Reported 2014 Uncontrolled Point Emission Data Associated with the SCC Crosswalk in the EPA's Solvent Tool Version 1.7 by Crosswalk Nonpoint Description, Nonpoint SCC, County and Point SCC

Nonpoint SCC	Nonpoint Description	Point SCC	County	Uncontrolled Emissions [TPY]
24-15-000-000	Degreasing	4-01-003-07	Fairfield	0.03
24-15-000-000	Degreasing	4-01-003-99	Fairfield	0.30
24-15-000-000	Degreasing	4-01-003-03	Hartford	0
24-15-000-000	Degreasing	4-01-003-07	Hartford	1.91
24-15-000-000	Degreasing	4-01-003-99	Hartford	0.26
24-15-000-000	Degreasing	4-01-003-03	Litchfield	0.12
24-15-000-000	Degreasing	4-01-003-05	New London	0
24-15-000-000	Degreasing	4-01-003-99	New London	0
24-15-000-000	Degreasing	4-01-888-98	New London	0.70
24-15-000-000	Degreasing	4-01-003-03	Windham	0.02
24-15-000-000	Solvent - Degreasing	4-01-002-04	Hartford	0
24-15-000-000	Solvent - Degreasing	4-01-002-04	New Haven	0
24-15-000-000	Solvent - Degreasing	4-01-002-25	New Haven	4.23
24-15-000-000	Solvent - Degreasing	4-01-002-96	New London	0.05
24-25-000-000	Solvent - Graphic Arts	4-05-003-01	Hartford	0.02
24-25-000-000	Solvent - Graphic Arts	4-05-888-01	Litchfield	0.00
24-01-020-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-019-01	Fairfield	6.28
24-01-020-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-019-99	Fairfield	0.00
24-01-030-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-013-10	New London	99.76
24-01-055-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-018-05	Hartford	0.00
24-01-055-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-018-06	Hartford	0.31
24-01-055-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-018-99	Hartford	38.40
24-01-055-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-008-01	New London	0
24-01-065-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-015-01	Fairfield	1.94
24-01-075-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-024-01	Fairfield	4.25
24-01-075-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-024-99	Fairfield	1.31
24-01-075-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-024-01	Hartford	0.23
24-01-075-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-024-99	Hartford	0.84
24-01-075-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-024-01	Middlesex	0.24
24-01-080-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-023-01	New London	0
24-01-090-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-022-01	Fairfield	1.16
24-01-090-000	Solvent - Industrial Surface Coating & Solvent Use	4-02-999-98	Hartford	0
24-01-055-000	Surface Coating - Machinery and Equipment: SIC 35	4-02-025-01	Litchfield	0.50
24-01-055-000	Surface Coating - Machinery and Equipment: SIC 35	4-02-025-01	Middlesex	2.78
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-001-01	Fairfield	0.01
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-01	Fairfield	0.10
24-01-090-000	Surface Coating: Misc. Manufacturing	4-90-999-98	Fairfield	520.95

Nonpoint SCC	Nonpoint Description	Point SCC	County	Uncontrolled Emissions [TPY]
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-001-01	Hartford	0.07
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-01	Hartford	0.05
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-12	Hartford	2.61
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-17	Hartford	0.07
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-18	Hartford	0.32
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-20	Hartford	7.36
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-22	Hartford	0.16
24-01-090-000	Surface Coating: Misc. Manufacturing	4-90-999-98	Hartford	4.04
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-01	Middlesex	3.93
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-18	Middlesex	0.18
24-01-090-000	Surface Coating: Misc. Manufacturing	4-90-999-98	Middlesex	4.85
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-001-01	New Haven	0
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-14	New Haven	2.48
24-01-090-000	Surface Coating: Misc. Manufacturing	4-90-999-98	New Haven	5.95
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-001-01	New London	9.40
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-10	New London	0
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-20	New London	0
24-01-090-000	Surface Coating: Misc. Manufacturing	4-02-009-24	New London	0
24-01-090-000	Surface Coating: Misc. Manufacturing	4-90-999-98	Windham	1.99

Table H-12: Connecticut Facility Reported 2014 Uncontrolled Point Emission Data Associated with the SCC Crosswalk in the EPA's Solvent Tool Version 1.7 by Crosswalk Nonpoint Description, Nonpoint SCC and County

Nonpoint SCC	Nonpoint Description	County	Sum of Uncontrolled Emissions [TPY]
24-15-000-000	Degreasing	Fairfield	0.32
24-15-000-000	Degreasing	Hartford	2.17
24-15-000-000	Degreasing	Litchfield	0.12
24-15-000-000	Degreasing	New London	0.70
24-15-000-000	Degreasing	Windham	0.02
24-15-000-000	Solvent - Degreasing	Hartford	0
24-15-000-000	Solvent - Degreasing	New Haven	4.23
24-15-000-000	Solvent - Degreasing	New London	0.05
24-25-000-000	Solvent - Graphic Arts	Hartford	0.02
24-25-000-000	Solvent - Graphic Arts	Litchfield	0.00
24-01-020-000	Solvent - Industrial Surface Coating & Solvent Use	Fairfield	6.28
24-01-030-000	Solvent - Industrial Surface Coating & Solvent Use	New London	99.76
24-01-055-000	Solvent - Industrial Surface Coating & Solvent Use	Hartford	38.71
24-01-055-000	Solvent - Industrial Surface Coating & Solvent Use	New London	0
24-01-065-000	Solvent - Industrial Surface Coating & Solvent Use	Fairfield	1.94
24-01-075-000	Solvent - Industrial Surface Coating & Solvent Use	Fairfield	5.55
24-01-075-000	Solvent - Industrial Surface Coating & Solvent Use	Hartford	1.07
24-01-075-000	Solvent - Industrial Surface Coating & Solvent Use	Middlesex	0.24
24-01-080-000	Solvent - Industrial Surface Coating & Solvent Use	New London	0
24-01-090-000	Solvent - Industrial Surface Coating & Solvent Use	Fairfield	1.16
24-01-090-000	Solvent - Industrial Surface Coating & Solvent Use	Hartford	0
24-01-055-000	Surface Coating - Machinery and Equipment: SIC 35	Litchfield	0.50
24-01-055-000	Surface Coating - Machinery and Equipment: SIC 35	Middlesex	2.78
24-01-090-000	Surface Coating: Misc. Manufacturing	Fairfield	521.07
24-01-090-000	Surface Coating: Misc. Manufacturing	Hartford	14.67
24-01-090-000	Surface Coating: Misc. Manufacturing	Middlesex	8.96
24-01-090-000	Surface Coating: Misc. Manufacturing	New Haven	8.43
24-01-090-000	Surface Coating: Misc. Manufacturing	New London	9.40
24-01-090-000	Surface Coating: Misc. Manufacturing	Windham	1.99

Table H-13: Industrial Processes - Oil and Gas Exploration and Production SCCs

Source Classification Code	Description	
	SCC Level Three	SCC Level Four
23-10-000-220	All Processes	Drill Rigs
23-10-000-330	All Processes	Artificial Lift
23-10-000-550	All Processes	Produced Water
23-10-000-660	All Processes	Hydraulic Fracturing Engines
23-10-010-100	Crude Petroleum	Oil Well Heaters
23-10-010-200	Crude Petroleum	Oil Well Tanks - Flashing & Standing/Working/Breathing
23-10-010-300	Crude Petroleum	Oil Well Pneumatic Devices
23-10-011-000	On-Shore Oil Production	Total: All Processes
23-10-011-201	On-Shore Oil Production	Tank Truck/Railcar Loading: Crude Oil
23-10-011-501	On-Shore Oil Production	Fugitives: Connectors
23-10-011-502	On-Shore Oil Production	Fugitives: Flanges
23-10-011-503	On-Shore Oil Production	Fugitives: Open Ended Lines
23-10-011-505	On-Shore Oil Production	Fugitives: Valves
23-10-021-010	On-Shore Gas Production	Storage Tanks: Condensate
23-10-021-030	On-Shore Gas Production	Tank Truck/Railcar Loading: Condensate
23-10-021-100	On-Shore Gas Production	Gas Well Heaters
23-10-021-102	On-Shore Gas Production	Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP
23-10-021-202	On-Shore Gas Production	Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
23-10-021-251	On-Shore Gas Production	Lateral Compressors 4 Cycle Lean Burn
23-10-021-300	On-Shore Gas Production	Gas Well Pneumatic Devices
23-10-021-302	On-Shore Gas Production	Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP
23-10-021-351	On-Shore Gas Production	Lateral Compressors 4 Cycle Rich Burn
23-10-021-400	On-Shore Gas Production	Gas Well Dehydrators
23-10-021-501	On-Shore Gas Production	Fugitives: Connectors
23-10-021-502	On-Shore Gas Production	Fugitives: Flanges
23-10-021-503	On-Shore Gas Production	Fugitives: Open Ended Lines
23-10-021-505	On-Shore Gas Production	Fugitives: Valves
23-10-021-506	On-Shore Gas Production	Fugitives: Other
23-10-021-603	On-Shore Gas Production	Gas Well Venting - Blowdowns
23-10-023-010	Coal Bed Methane Natural Gas	Storage Tanks: Condensate
23-10-023-030	Coal Bed Methane Natural Gas	Tank Truck/Railcar Loading: Condensate
23-10-023-100	Coal Bed Methane Natural Gas	CBM Well Heaters
23-10-023-102	Coal Bed Methane Natural Gas	CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP
23-10-023-202	Coal Bed Methane Natural Gas	CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
23-10-023-251	Coal Bed Methane Natural Gas	Lateral Compressors 4 Cycle Lean Burn
23-10-023-300	Coal Bed Methane Natural Gas	Pneumatic Devices

Table H-13: Industrial Processes - Oil and Gas Exploration and Production SCCs

Source Classification Code	Description	
	SCC Level Three	SCC Level Four
23-10-023-302	Coal Bed Methane Natural Gas	CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP
23-10-023-310	Coal Bed Methane Natural Gas	Pneumatic Pumps
23-10-023-351	Coal Bed Methane Natural Gas	Lateral Compressors 4 Cycle Rich Burn
23-10-023-400	Coal Bed Methane Natural Gas	Dehydrators
23-10-023-511	Coal Bed Methane Natural Gas	Fugitives: Connectors
23-10-023-512	Coal Bed Methane Natural Gas	Fugitives: Flanges
23-10-023-513	Coal Bed Methane Natural Gas	Fugitives: Open Ended Lines
23-10-023-515	Coal Bed Methane Natural Gas	Fugitives: Valves
23-10-023-516	Coal Bed Methane Natural Gas	Fugitives: Other
23-10-023-600	Coal Bed Methane Natural Gas	CBM Well Completion: All Processes
23-10-023-603	Coal Bed Methane Natural Gas	CBM Well Venting - Blowdowns
23-10-023-606	Coal Bed Methane Natural Gas	Mud Degassing
23-10-111-100	On-Shore Oil Exploration	Mud Degassing
23-10-111-401	On-Shore Oil Exploration	Oil Well Pneumatic Pumps
23-10-111-700	On-Shore Oil Exploration	Oil Well Completion: All Processes
23-10-121-100	On-Shore Gas Exploration	Mud Degassing
23-10-121-401	On-Shore Gas Exploration	Gas Well Pneumatic Pumps
23-10-121-700	On-Shore Gas Exploration	Gas Well Completion: All Processes

Appendix IArea Sources

Table I-1: Annual Emissions of Area Sources by SCC

Subpart 4.1.2.1: ICI Coal Combustion

SCC: 21-02-001-000 Stationary Source Fuel Combustion - Industrial - Anthracite Coal - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Coal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 21-02-002-000 Stationary Source Fuel Combustion - Industrial - Bituminous/Subbituminous Coal - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Coal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 21-03-001-000 Stationary Source Fuel Combustion - Commercial/Institutional - Anthracite Coal - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Coal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 21-03-002-000 Stationary Source Fuel Combustion - Commercial/Institutional - Bituminous/Subbituminous Coal - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Coal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.1.2.2: ICI Distillate Oil Combustion

SCC: 21-02-004-001 Stationary Source Fuel Combustion - Industrial - Distillate Oil - All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.2	16.7	4.2	1.9	1.3	20.8	0.7	0.0105
Hartford	0.2	22.8	5.7	2.6	1.8	28.4	0.9	0.0144
Litchfield	0	4.5	1.1	0.5	0.3	5.6	0.2	0.0028
Middlesex	0	4.9	1.2	0.6	0.4	6.1	0.2	0.0031
New Haven	0.2	16.4	4.1	1.9	1.3	20.4	0.7	0.0103
New London	0.1	6.3	1.6	0.7	0.5	7.9	0.3	0.0040
Tolland	0	1.7	0.4	0.2	0.1	2.1	0.1	0.0011
Windham	0	2.8	0.7	0.3	0.2	3.5	0.1	0.0018
SCC State Total	**0.7**	**76.1**	**19**	**8.7**	**5.9**	**94.8**	**3.2**	**0.048**

SCC: 21-02-004-002 Stationary Source Fuel Combustion - Industrial - Distillate Oil - All IC Engine Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	4.5	64.7	13.9	4.7	4.4	4.3	0.1	0
Hartford	6.1	88.3	19	6.4	6	5.8	0.1	0
Litchfield	1.2	17.4	3.7	1.3	1.2	1.1	0	0
Middlesex	1.3	19	4.1	1.4	1.3	1.3	0	0
New Haven	4.4	63.5	13.7	4.6	4.3	4.2	0.1	0
New London	1.7	24.5	5.3	1.8	1.7	1.6	0	0
Tolland	0.5	6.5	1.4	0.5	0.4	0.4	0	0
Windham	0.8	11	2.4	0.8	0.7	0.7	0	0
SCC State Total	**20.5**	**294.9**	**63.5**	**21.5**	**20**	**19.4**	**0.3**	**0**

SCC: 21-03-004-001 Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.6	153.8	38.4	18.3	16.4	191.1	6.2	0.0096
Hartford	2.2	129.5	32.4	15.4	13.8	161	5.2	0.0081
Litchfield	0.2	13.6	3.4	1.6	1.4	16.9	0.5	0.0008
Middlesex	0.3	16.8	4.2	2	1.8	20.9	0.7	0.0011
New Haven	1.7	100.9	25.2	12	10.8	125.4	4	0.0063
New London	0.5	29.4	7.4	3.5	3.1	36.5	1.2	0.0018
Tolland	0.2	9.3	2.3	1.1	1	11.6	0.4	0.0006
Windham	0.1	8.1	2	1	0.9	10	0.3	0.0005
SCC State Total	**7.8**	**461.4**	**115.3**	**54.9**	**49.2**	**573.4**	**18.5**	**0.0288**

SCC: 21-03-004-002 Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - IC Engines

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	17.9	258.1	55.5	18.6	18.6	0.3	17	0
Hartford	15.1	217.4	46.8	15.7	15.7	0.3	14.3	0
Litchfield	1.6	22.8	4.9	1.6	1.6	0	1.5	0
Middlesex	2	28.2	6.1	2	2	0	1.9	0
New Haven	11.8	169.4	36.5	12.2	12.2	0.2	11.2	0
New London	3.4	49.4	10.6	3.6	3.6	0.1	3.3	0
Tolland	1.1	15.6	3.4	1.1	1.1	0	1	0
Windham	0.9	13.6	2.9	1	1	0	0.9	0
SCC State Total	**53.8**	**774.5**	**166.7**	**55.8**	**55.8**	**0.9**	**51.1**	**0**

Subpart 4.1.2.3: ICI Residual Oil Combustion

SCC: 21-02-005-000 Stationary Source Fuel Combustion - Industrial - Residual Oil - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0.1	0	0	0	0.4	0	0
Hartford	0	0.2	0	0	0	0.5	0	0
Litchfield	0	0	0	0	0	0.1	0	0
Middlesex	0	0	0	0	0	0.1	0	0
New Haven	0	0.1	0	0	0	0.4	0	0
New London	0	0	0	0	0	0.1	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0.1	0	0
SCC State Total	**0**	**0.4**	**0**	**0**	**0**	**1.7**	**0**	**0**

SCC: 21-03-005-000 Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.2	7.3	0.7	1.2	0.6	0.1	20.9	0.0002
Hartford	0.1	6.2	0.6	1	0.5	0.1	17.6	0.0002
Litchfield	0	0.6	0.1	0.1	0.1	0	1.8	0
Middlesex	0	0.8	0.1	0.1	0.1	0	2.3	0
New Haven	0.1	4.8	0.4	0.8	0.4	0.1	13.7	0.0001
New London	0	1.4	0.1	0.2	0.1	0	4	0
Tolland	0	0.4	0	0.1	0	0	1.3	0
Windham	0	0.4	0	0.1	0	0	1.1	0
SCC State Total	**0.4**	**21.9**	**2**	**3.6**	**1.8**	**0.3**	**62.7**	**0.0005**

Subpart 4.1.2.4: ICI Natural Gas Combustion

SCC: 21-02-006-000 Stationary Source Fuel Combustion - Industrial - Natural Gas - Total: Boilers and IC Engines

Sector: Fuel Comb - Industrial Boilers, ICEs - Natural Gas

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	10.5	191	160.4	1	0.8	1.1	6.1	0.0010
Hartford	14.4	261	219.2	1.4	1.1	1.6	8.4	0.0013
Litchfield	2.8	51.3	43.1	0.3	0.2	0.3	1.6	0.0003
Middlesex	3.1	56.1	47.2	0.3	0.2	0.3	1.8	0.0003
New Haven	10.3	187.6	157.6	1	0.8	1.1	6	0.0009
New London	4	72.3	60.8	0.4	0.3	0.4	2.3	0.0004
Tolland	1.1	19.1	16.1	0.1	0.1	0.1	0.6	0.0001
Windham	1.8	32.5	27.3	0.2	0.1	0.2	1	0.0002
SCC State Total	**48**	**870.9**	**731.7**	**4.7**	**3.6**	**5.1**	**27.8**	**0.0045**

SCC: 21-03-006-000 Stationary Source Fuel Combustion - Commercial/Institutional - Natural Gas - Total: Boilers and IC Engines

Sector: Fuel Comb - Comm/Institutional - Natural Gas

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	42.7	776.8	652.5	4	3.3	3.8	4.7	0.0039
Hartford	36	654.4	549.7	3.4	2.8	3.2	3.9	0.0033
Litchfield	3.8	68.5	57.6	0.4	0.3	0.3	0.4	0.0003
Middlesex	4.7	84.9	71.3	0.4	0.4	0.4	0.5	0.0004
New Haven	28	510	428.4	2.7	2.2	2.5	3.1	0.0025
New London	8.2	148.6	124.8	0.8	0.6	0.7	0.9	0.0007
Tolland	2.6	47	39.5	0.2	0.2	0.2	0.3	0.0002
Windham	2.2	40.8	34.3	0.2	0.2	0.2	0.2	0.0002
SCC State Total	**128.2**	**2331**	**1958.1**	**12.1**	**10**	**11.3**	**14**	**0.0115**

Subpart 4.1.2.5: ICI LPG Combustion

SCC: 21-02-007-000 Stationary Source Fuel Combustion - Industrial - Liquified Petroleum Gas (LPG) - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Other

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.1	3.2	1.8	0	0	0.1	0	0
Hartford	0.2	4.4	2.5	0	0	0.1	0	0
Litchfield	0	0.9	0.5	0	0	0	0	0
Middlesex	0	0.9	0.5	0	0	0	0	0
New Haven	0.1	3.2	1.8	0	0	0.1	0	0
New London	0	1.2	0.7	0	0	0	0	0
Tolland	0	0.3	0.2	0	0	0	0	0
Windham	0	0.6	0.3	0	0	0	0	0
SCC State Total	**0.4**	**14.7**	**8.3**	**0**	**0**	**0.3**	**0**	**0**

SCC: 21-03-007-000 Stationary Source Fuel Combustion - Commercial/Institutional - Liquified Petroleum Gas (LPG) - Total: All Combustor Types

Sector: Fuel Comb - Comm/Institutional - Other

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.5	69.3	38.8	0.2	0.2	0.2	0.3	0.0002
Hartford	2.1	58.3	32.7	0.2	0.2	0.2	0.2	0.0002
Litchfield	0.2	6.1	3.4	0	0	0	0	0
Middlesex	0.3	7.6	4.2	0	0	0	0	0
New Haven	1.7	45.5	25.5	0.2	0.1	0.2	0.2	0.0001
New London	0.5	13.2	7.4	0	0	0	0.1	0
Tolland	0.2	4.2	2.3	0	0	0	0	0
Windham	0.1	3.6	2	0	0	0	0	0
SCC State Total	**7.6**	**207.8**	**116.3**	**0.6**	**0.5**	**0.6**	**0.8**	**0.0005**

Subpart 4.1.2.6: ICI Wood Combustion

SCC: 21-02-008-000 Stationary Source Fuel Combustion - Industrial - Wood - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Biomass

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	4.3	55.8	152.2	131.2	113.4	6.3	1.8	0
Hartford	5.9	76.3	208	179.2	155	8.7	2.4	0
Litchfield	1.2	15	40.9	35.2	30.4	1.7	0.5	0
Middlesex	1.3	16.4	44.7	38.6	33.3	1.9	0.5	0
New Haven	4.2	54.8	149.5	128.8	111.4	6.2	1.7	0
New London	1.6	21.1	57.7	49.7	43	2.4	0.7	0
Tolland	0.4	5.6	15.2	13.1	11.4	0.6	0.2	0
Windham	0.7	9.5	25.9	22.3	19.3	1.1	0.3	0
SCC State Total	**19.6**	**254.5**	**694.1**	**598.1**	**517.2**	**28.9**	**8.1**	**0**

SCC: 21-03-008-000 Stationary Source Fuel Combustion - Commercial/Institutional - Wood - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Biomass

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.5	31.8	86.7	74.7	64.6	3.6	0.7	0
Hartford	2.1	26.8	73	62.9	54.4	3	0.6	0
Litchfield	0.2	2.8	7.6	6.6	5.7	0.3	0.1	0
Middlesex	0.3	3.5	9.5	8.2	7.1	0.4	0.1	0
New Haven	1.6	20.9	56.9	49	42.4	2.4	0.5	0
New London	0.5	6.1	16.6	14.3	12.4	0.7	0.1	0
Tolland	0.1	1.9	5.2	4.5	3.9	0.2	0	0
Windham	0.1	1.7	4.6	3.9	3.4	0.2	0	0
SCC State Total	**7.4**	**95.5**	**260.1**	**224.1**	**193.9**	**10.8**	**2.1**	**0**

Subpart 4.1.2.7: ICI Kerosene Combustion

SCC: 21-02-011-000 Stationary Source Fuel Combustion - Industrial - Kerosene - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	2.5	0.6	0.3	0.2	5.5	0.1	0.0002
Hartford	0	3.4	0.9	0.4	0.3	7.5	0.1	0.0002
Litchfield	0	0.7	0.2	0.1	0.1	1.5	0	0
Middlesex	0	0.7	0.2	0.1	0.1	1.6	0	0
New Haven	0	2.4	0.6	0.3	0.2	5.4	0.1	0.0002
New London	0	0.9	0.2	0.1	0.1	2.1	0	0.0001
Tolland	0	0.2	0.1	0	0	0.6	0	0
Windham	0	0.4	0.1	0	0	0.9	0	0
SCC State Total	**0**	**11.2**	**2.9**	**1.3**	**1**	**25.1**	**0.3**	**0.0007**

SCC: 21-03-011-000 Stationary Source Fuel Combustion - Commercial/Institutional - Kerosene - Total: All Combustor Types

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0.9	0.2	0.1	0.1	0	2.1	0.0001
Hartford	0	0.8	0.2	0.1	0.1	0	1.8	0.0001
Litchfield	0	0.1	0	0	0	0	0.2	0
Middlesex	0	0.1	0	0	0	0	0.2	0
New Haven	0	0.6	0.2	0.1	0.1	0	1.4	0
New London	0	0.2	0	0	0	0	0.4	0
Tolland	0	0.1	0	0	0	0	0.1	0
Windham	0	0	0	0	0	0	0.1	0
SCC State Total	**0**	**2.8**	**0.6**	**0.3**	**0.3**	**0**	**6.3**	**0.0002**

Subpart 4.1.3.1: Residential Coal Combustion

SCC: 21-04-001-000 Stationary Source Fuel Combustion - Residential - Anthracite Coal - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 21-04-002-000 Stationary Source Fuel Combustion - Residential - Bituminous/Subbituminous Coal - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.1.3.2: Residential Distillate Oil Combustion

SCC: 21-04-004-000 Stationary Source Fuel Combustion - Residential - Distillate Oil - Total: All Combustor Types

Sector: Fuel Comb - Residential - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	34.8	894.2	248.4	118.2	105.8	1234.5	49.7	0.0628
Hartford	30.8	792	220	104.7	93.7	1093.4	44	0.0556
Litchfield	10.7	274.4	76.2	36.3	32.5	378.8	15.2	0.0193
Middlesex	9.6	246.7	68.5	32.6	29.2	340.5	13.7	0.0173
New Haven	32.9	845.3	234.8	111.8	100	1166.9	47	0.0594
New London	15	385.3	107	50.9	45.6	532	21.4	0.0271
Tolland	8.1	207.5	57.6	27.4	24.5	286.4	11.5	0.0146
Windham	6.3	161.5	44.9	21.4	19.1	223	9	0.0113
SCC State Total	**148.2**	**3806.9**	**1057.4**	**503.3**	**450.4**	**5255.5**	**211.5**	**0.2674**

Subpart 4.1.3.4: Residential Natural Gas Combustion

SCC: 21-04-006-000 Stationary Source Fuel Combustion - Residential - Natural Gas - Total: All Combustor Types

Sector: Fuel Comb - Residential - Natural Gas

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	39.4	673.5	286.6	3.7	3.1	4.3	143.3	0
Hartford	49.5	846.5	360.2	4.7	3.9	5.4	180.1	0
Litchfield	3.2	55	23.4	0.3	0.3	0.4	11.7	0
Middlesex	2.7	46.3	19.7	0.3	0.2	0.3	9.8	0
New Haven	38.1	651.2	277.1	3.6	3	4.2	138.6	0
New London	4.3	74.3	31.6	0.4	0.3	0.5	15.8	0
Tolland	2	33.9	14.4	0.2	0.2	0.2	7.2	0
Windham	1.5	25.3	10.8	0.1	0.1	0.2	5.4	0
SCC State Total	**140.7**	**2406**	**1023.8**	**13.3**	**11.1**	**15.5**	**511.9**	**0**

Subpart 4.1.3.5: Residential LPG Combustion

SCC: 21-04-007-000 Stationary Source Fuel Combustion - Residential - Liquified Petroleum Gas (LPG) - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	3.5	89.6	25.4	0.3	0.3	0.4	0.3	0
Hartford	3.8	97.9	27.8	0.4	0.3	0.4	0.3	0
Litchfield	1.6	41.5	11.8	0.2	0.1	0.2	0.1	0
Middlesex	1.5	37.9	10.7	0.1	0.1	0.2	0.1	0
New Haven	3.5	91.1	25.8	0.3	0.3	0.4	0.3	0
New London	2.4	60.4	17.1	0.2	0.2	0.3	0.2	0
Tolland	1.4	36.3	10.3	0.1	0.1	0.2	0.1	0
Windham	1.1	27.4	7.8	0.1	0.1	0.1	0.1	0
SCC State Total	**18.8**	**482.1**	**136.7**	**1.7**	**1.5**	**2.2**	**1.5**	**0**

Subpart 4.1.3.6: Residential Wood Combustion

SCC: 21-04-008-100 Stationary Source Fuel Combustion - Residential - Wood - Fireplace: general

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	24.7	3.4	194.4	30.8	30.8	0.5	2.3	0
Hartford	23.7	3.3	186.9	29.6	29.6	0.5	2.3	0
Litchfield	11.3	1.5	88.8	14.1	14.1	0.2	1.1	0
Middlesex	7.3	1	57.7	9.1	9.1	0.2	0.7	0
New Haven	21.9	3	173	27.4	27.4	0.5	2.1	0
New London	11.3	1.6	89.2	14.1	14.1	0.2	1.1	0
Tolland	7.6	1	59.8	9.5	9.5	0.2	0.7	0
Windham	6.7	0.9	52.8	8.4	8.4	0.1	0.6	0
SCC State Total	**114.5**	**15.7**	**902.6**	**143**	**143**	**2.4**	**10.9**	**0**

SCC: 21-04-008-210 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	39.5	2.1	171.9	22.8	22.8	0.3	1.3	0
Hartford	38	2	165.3	21.9	21.9	0.3	1.2	0
Litchfield	18	1	78.5	10.4	10.4	0.1	0.6	0
Middlesex	11.7	0.6	51	6.8	6.8	0.1	0.4	0
New Haven	35.1	1.9	153	20.3	20.3	0.3	1.1	0
New London	18.1	1	78.8	10.5	10.5	0.1	0.6	0
Tolland	12.1	0.6	52.8	7	7	0.1	0.4	0
Windham	10.7	0.6	46.7	6.2	6.2	0.1	0.3	0
SCC State Total	**183.2**	**9.8**	**798**	**105.9**	**105.9**	**1.4**	**5.9**	**0**

SCC: 21-04-008-220 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; non-catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	4.3	0.8	59.8	7.1	7.1	0.1	0.3	0
Hartford	4.2	0.8	57.5	6.8	6.8	0.1	0.3	0
Litchfield	2	0.4	27.3	3.2	3.2	0.1	0.1	0
Middlesex	1.3	0.2	17.7	2.1	2.1	0	0.1	0
New Haven	3.9	0.7	53.2	6.3	6.3	0.1	0.3	0
New London	2	0.4	27.4	3.2	3.2	0.1	0.1	0
Tolland	1.3	0.3	18.4	2.2	2.2	0	0.1	0
Windham	1.2	0.2	16.2	1.9	1.9	0	0.1	0
SCC State Total	**20.2**	**3.8**	**277.5**	**32.8**	**32.8**	**0.5**	**1.4**	**0**

SCC: 21-04-008-230 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	1.6	0.2	13.1	2.2	2.2	0	0.1	0
Hartford	1.5	0.2	12.6	2.1	2.1	0	0.1	0
Litchfield	0.7	0.1	6	1	1	0	0	0
Middlesex	0.5	0.1	3.9	0.6	0.6	0	0	0
New Haven	1.4	0.2	11.7	1.9	1.9	0	0.1	0
New London	0.7	0.1	6	1	1	0	0	0
Tolland	0.5	0.1	4	0.7	0.7	0	0	0
Windham	0.4	0.1	3.6	0.6	0.6	0	0	0
SCC State Total	**7.3**	**1.1**	**60.9**	**10.1**	**10.1**	**0**	**0.3**	**0**

SCC: 21-04-008-310 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	433.1	22.9	1886.2	250.1	250.1	3.3	13.9	0
Hartford	425.5	22.5	1853.1	245.7	245.7	3.2	13.6	0
Litchfield	347.1	18.3	1511.7	200.4	200.4	2.6	11.1	0
Middlesex	190.7	10.1	830.5	110.1	110.1	1.4	6.1	0
New Haven	371.2	19.6	1616.5	214.3	214.3	2.8	11.9	0
New London	303	16	1319.6	175	175	2.3	9.7	0
Tolland	231.7	12.2	1009.2	133.8	133.8	1.7	7.4	0
Windham	219.9	11.6	957.5	127	127	1.7	7.1	0
SCC State Total	**2522.2**	**133.2**	**10984.3**	**1456.4**	**1456.4**	**19**	**80.8**	**0**

SCC: 21-04-008-320 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, non-catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	90	17.1	1242.5	146.9	146.9	3	6.7	0
Hartford	88.4	16.8	1220.6	144.4	144.4	2.9	6.6	0
Litchfield	72.1	13.7	995.8	117.8	117.8	2.4	5.4	0
Middlesex	39.6	7.5	547	64.7	64.7	1.3	3	0
New Haven	77.1	14.6	1064.8	125.9	125.9	2.6	5.8	0
New London	62.9	12	869.2	102.8	102.8	2.1	4.7	0
Tolland	48.1	9.1	664.8	78.6	78.6	1.6	3.6	0
Windham	45.7	8.7	630.7	74.6	74.6	1.5	3.4	0
SCC State Total	**523.9**	**99.5**	**7235.4**	**855.7**	**855.7**	**17.4**	**39.2**	**0**

SCC: 21-04-008-330 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	75.5	10.1	623.6	102.7	102.7	2	4.5	0
Hartford	74.2	9.9	612.6	100.9	100.9	2	4.5	0
Litchfield	60.5	8.1	499.8	82.3	82.3	1.6	3.6	0
Middlesex	33.2	4.4	274.6	45.2	45.2	0.9	2	0
New Haven	64.7	8.6	534.4	88	88	1.7	3.9	0
New London	52.8	7	436.3	71.8	71.8	1.4	3.2	0
Tolland	40.4	5.4	333.6	54.9	54.9	1.1	2.4	0
Windham	38.3	5.1	316.6	52.1	52.1	1	2.3	0
SCC State Total	**439.6**	**58.6**	**3631.5**	**597.9**	**597.9**	**11.7**	**26.4**	**0**

SCC: 21-04-008-400 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: pellet-fired, general (freestanding or FP insert)

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	7.6	13.2	55.1	10.6	10.6	1.1	1	0
Hartford	7.5	12.9	54.2	10.4	10.4	1.1	1	0
Litchfield	6.1	10.6	44.2	8.5	8.5	0.9	0.8	0
Middlesex	3.4	5.8	24.3	4.7	4.7	0.5	0.5	0
New Haven	6.5	11.3	47.2	9.1	9.1	1	0.9	0
New London	5.3	9.2	38.6	7.4	7.4	0.8	0.7	0
Tolland	4.1	7	29.5	5.7	5.7	0.6	0.6	0
Windham	3.9	6.7	28	5.4	5.4	0.6	0.5	0
SCC State Total	**44.4**	**76.7**	**321.1**	**61.8**	**61.8**	**6.6**	**6**	**0**

SCC: 21-04-008-510 Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, cordwood-fired, non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	11	1.7	170.5	25.6	25.6	1.9	1.7	0
Hartford	11.6	1.8	179.7	27	27	2	1.8	0
Litchfield	22.7	3.5	352.6	53	53	3.9	3.5	0
Middlesex	10.3	1.6	160	24	24	1.8	1.6	0
New Haven	8.1	1.3	126.4	19	19	1.4	1.2	0
New London	16.6	2.6	257.7	38.7	38.7	2.8	2.5	0
Tolland	14.5	2.3	226.3	34	34	2.5	2.2	0
Windham	14.2	2.2	221.6	33.3	33.3	2.4	2.2	0
SCC State Total	**109**	**17**	**1694.8**	**254.6**	**254.6**	**18.7**	**16.7**	**0**

SCC: 21-04-008-610 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	104.2	3.1	556.5	98.9	98.9	3.1	2.6	0
Hartford	117.1	3.5	625.4	111.2	111.2	3.5	3	0
Litchfield	214.7	6.4	1146.7	203.9	203.9	6.5	5.4	0
Middlesex	101	3	539.6	95.9	95.9	3	2.5	0
New Haven	75.9	2.3	405.3	72.1	72.1	2.3	1.9	0
New London	176.6	5.2	943.2	167.7	167.7	5.3	4.5	0
Tolland	147	4.4	785.2	139.6	139.6	4.4	3.7	0
Windham	152.3	4.5	813.7	144.7	144.7	4.6	3.8	0
SCC State Total	**1088.8**	**32.4**	**5815.6**	**1034**	**1034**	**32.7**	**27.4**	**0**

SCC: 21-04-008-700 Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimeas, etc)

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	13.4	1.8	105.4	16.7	16.7	0.3	1.3	0
Hartford	39.2	5.4	309.3	49	49	0.8	3.7	0
Litchfield	2.9	0.4	23.1	3.7	3.7	0.1	0.3	0
Middlesex	7.5	1	58.9	9.3	9.3	0.2	0.7	0
New Haven	12.8	1.8	100.6	15.9	15.9	0.3	1.2	0
New London	3.7	0.5	29.2	4.6	4.6	0.1	0.4	0
Tolland	6.3	0.9	49.5	7.8	7.8	0.1	0.6	0
Windham	1.7	0.2	13.2	2.1	2.1	0	0.2	0
SCC State Total	**87.5**	**12**	**689.2**	**109.1**	**109.1**	**1.9**	**8.4**	**0**

SCC: 21-04-009-000 Stationary Source Fuel Combustion - Residential - Firelog - Total: All Combustor Types

Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	57	11.1	180.3	42.3	40.9	0	0	0
Hartford	116.5	22.6	368.2	86.3	83.6	0	0	0
Litchfield	12.9	2.5	40.7	9.5	9.2	0	0	0
Middlesex	32.1	6.2	101.6	23.8	23.1	0	0	0
New Haven	55.9	10.9	176.8	41.5	40.1	0	0	0
New London	18.3	3.5	57.7	13.5	13.1	0	0	0
Tolland	26.4	5.1	83.5	19.6	19	0	0	0
Windham	7.6	1.5	24.1	5.6	5.5	0	0	0
SCC State Total	**326.7**	**63.4**	**1032.9**	**242.1**	**234.5**	**0**	**0**	**0**

Subpart 4.1.3.7: Residential Kerosene Combustion

SCC: 21-04-011-000 Stationary Source Fuel Combustion - Residential - Kerosene - Total: All Heater Types

Sector: Fuel Comb - Residential - Oil

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.1	1.5	0.4	0.2	0.2	2	0.1	0.0001
Hartford	0.1	1.3	0.4	0.2	0.2	1.8	0.1	0.0001
Litchfield	0	0.4	0.1	0.1	0.1	0.6	0	0
Middlesex	0	0.4	0.1	0.1	0	0.6	0	0
New Haven	0.1	1.4	0.4	0.2	0.2	1.9	0.1	0.0001
New London	0	0.6	0.2	0.1	0.1	0.9	0	0
Tolland	0	0.3	0.1	0	0	0.5	0	0
Windham	0	0.3	0.1	0	0	0.4	0	0
SCC State Total	**0.3**	**6.2**	**1.8**	**0.9**	**0.8**	**8.7**	**0.3**	**0.0003**

Part 4.2.1: Bulk Plant and Terminals

SCC: 25-01-050-120 Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Terminals: All Evaporative Losses - Gasoline

Sector: Bulk Gasoline Terminals

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.9	0	0	0	0	0	0	0
Hartford	1.9	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0.1	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**2.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-055-120 Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Plants: All Evaporative Losses - Gasoline

Sector: Bulk Gasoline Terminals

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.2: Aviation Gasoline, Stage 1 and 2 Distribution

SCC: 25-01-080-050 Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 1: Total

Sector: Gas Stations

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	48.9	0	0	0	0	0	0	0.0003
Hartford	66.5	0	0	0	0	0	0	0.0004
Litchfield	0	0	0	0	0	0	0	0
Middlesex	2.6	0	0	0	0	0	0	0
New Haven	36.2	0	0	0	0	0	0	0.0002
New London	12.2	0	0	0	0	0	0	0.0001
Tolland	11.3	0	0	0	0	0	0	0.0001
Windham	16.2	0	0	0	0	0	0	0.0001
SCC State Total	**193.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0.0012**

SCC: 25-01-080-100 Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 2: Total

Sector: Gas Stations

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	1.9	0	0	0	0	0	0	0
Hartford	2.5	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0.1	0	0	0	0	0	0	0
New Haven	1.4	0	0	0	0	0	0	0
New London	0.5	0	0	0	0	0	0	0
Tolland	0.4	0	0	0	0	0	0	0
Windham	0.6	0	0	0	0	0	0	0
SCC State Total	**7.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.3: Stage I Gasoline Distribution

SCC: 25-01-060-051 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Submerged Filling

Sector: Gas Stations

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	560.8	0	0	0	0	0	0	0
Hartford	609.3	0	0	0	0	0	0	0
Litchfield	114	0	0	0	0	0	0	0
Middlesex	137	0	0	0	0	0	0	0
New Haven	553.9	0	0	0	0	0	0	0
New London	225.7	0	0	0	0	0	0	0
Tolland	113.1	0	0	0	0	0	0	0
Windham	78.1	0	0	0	0	0	0	0
SCC State Total	**2391.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-060-052 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Splash Filling

Sector: Gas Stations

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-060-053 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Balanced Submerged

Sector: Gas Stations

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	21.6	0	0	0	0	0	0	0
Hartford	23.5	0	0	0	0	0	0	0
Litchfield	4.4	0	0	0	0	0	0	0
Middlesex	5.3	0	0	0	0	0	0	0
New Haven	21.4	0	0	0	0	0	0	0
New London	8.7	0	0	0	0	0	0	0
Tolland	4.4	0	0	0	0	0	0	0
Windham	3	0	0	0	0	0	0	0
SCC State Total	**92.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-060-201 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Underground Tank: Breathing and Emptying

Sector: Gas Stations

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	162.3	0	0	0	0	0	0	0
Hartford	176.3	0	0	0	0	0	0	0
Litchfield	33	0	0	0	0	0	0	0
Middlesex	39.7	0	0	0	0	0	0	0
New Haven	160.3	0	0	0	0	0	0	0
New London	65.3	0	0	0	0	0	0	0
Tolland	32.7	0	0	0	0	0	0	0
Windham	22.6	0	0	0	0	0	0	0
SCC State Total	**692.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.4: Stage II Refueling

SCC: 22-01-00-0062 Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	320.4	0	0	0	0	0	0	0
Hartford	327.2	0	0	0	0	0	0	0
Litchfield	60.1	0	0	0	0	0	0	0
Middlesex	74.9	0	0	0	0	0	0	0
New Haven	308.5	0	0	0	0	0	0	0
New London	115.5	0	0	0	0	0	0	0
Tolland	63.2	0	0	0	0	0	0	0
Windham	42.9	0	0	0	0	0	0	0
SCC State Total	**1312.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 22-02-00-0062 Mobile Sources - Highway Vehicles - Diesel - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	10	0	0	0	0	0	0	0
Hartford	10.7	0	0	0	0	0	0	0
Litchfield	1.6	0	0	0	0	0	0	0
Middlesex	2.5	0	0	0	0	0	0	0
New Haven	10.3	0	0	0	0	0	0	0
New London	4.1	0	0	0	0	0	0	0
Tolland	2.6	0	0	0	0	0	0	0
Windham	1.5	0	0	0	0	0	0	0
SCC State Total	**43.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.5: Industrial Processes – Storage and Transfer – Truck or Pipeline

SCC: 25-05-030-120 Storage and Transport - Petroleum and Petroleum Product Transport - Truck - Gasoline

Sector: Industrial Processes - Storage and Transfer

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	10.6	0	0	0	0	0	0	0
Hartford	11.5	0	0	0	0	0	0	0
Litchfield	2.2	0	0	0	0	0	0	0
Middlesex	2.6	0	0	0	0	0	0	0
New Haven	10.5	0	0	0	0	0	0	0
New London	4.3	0	0	0	0	0	0	0
Tolland	2.1	0	0	0	0	0	0	0
Windham	1.5	0	0	0	0	0	0	0
SCC State Total	**45.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-05-040-120 Storage and Transport - Petroleum and Petroleum Product Transport - Pipeline - Gasoline

Sector: Industrial Processes - Storage and Transfer

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	927.5	0	0	0	0	0	0	0
Hartford	372.3	0	0	0	0	0	0	0
Litchfield	127.7	0	0	0	0	0	0	0
Middlesex	127.7	0	0	0	0	0	0	0
New Haven	465	0	0	0	0	0	0	0
New London	127.7	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	21.3	0	0	0	0	0	0	0
SCC State Total	**2169.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.2.6: Portable Fuel Containers Estimates

SCC: 25-01-011-011 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Permeation

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	35.2	0	0	0	0	0	0	0
Hartford	22.3	0	0	0	0	0	0	0
Litchfield	6.4	0	0	0	0	0	0	0
Middlesex	4.4	0	0	0	0	0	0	0
New Haven	18.8	0	0	0	0	0	0	0
New London	4.7	0	0	0	0	0	0	0
Tolland	2.4	0	0	0	0	0	0	0
Windham	2.4	0	0	0	0	0	0	0
SCC State Total	**96.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-011-012 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Evaporation (includes Diurnal losses)

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	39.5	0	0	0	0	0	0	0
Hartford	25	0	0	0	0	0	0	0
Litchfield	7.1	0	0	0	0	0	0	0
Middlesex	4.9	0	0	0	0	0	0	0
New Haven	21.1	0	0	0	0	0	0	0
New London	5.3	0	0	0	0	0	0	0
Tolland	2.7	0	0	0	0	0	0	0
Windham	2.7	0	0	0	0	0	0	0
SCC State Total	**108.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-011-013 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Spillage During Transport Vapor Displacement

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	55.3	0	0	0	0	0	0	0
Hartford	35	0	0	0	0	0	0	0
Litchfield	10	0	0	0	0	0	0	0
Middlesex	6.9	0	0	0	0	0	0	0
New Haven	29.5	0	0	0	0	0	0	0
New London	7.5	0	0	0	0	0	0	0
Tolland	3.8	0	0	0	0	0	0	0
Windham	3.8	0	0	0	0	0	0	0
SCC State Total	**151.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-011-014 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Vapor Displacement

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	7.8	0	0	0	0	0	0	0
Hartford	5	0	0	0	0	0	0	0
Litchfield	1.4	0	0	0	0	0	0	0
Middlesex	1	0	0	0	0	0	0	0
New Haven	4.2	0	0	0	0	0	0	0
New London	1.1	0	0	0	0	0	0	0
Tolland	0.5	0	0	0	0	0	0	0
Windham	0.5	0	0	0	0	0	0	0
SCC State Total	**21.5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-011-015 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Spillage

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	1.8	0	0	0	0	0	0	0
Hartford	1.2	0	0	0	0	0	0	0
Litchfield	0.3	0	0	0	0	0	0	0
Middlesex	0.2	0	0	0	0	0	0	0
New Haven	1	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	0	0
Tolland	0.1	0	0	0	0	0	0	0
Windham	0.1	0	0	0	0	0	0	0
SCC State Total	**4.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-012-011 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Permeation

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	1.5	0	0	0	0	0	0	0
Hartford	1	0	0	0	0	0	0	0
Litchfield	0.3	0	0	0	0	0	0	0
Middlesex	0.2	0	0	0	0	0	0	0
New Haven	0.8	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	0	0
Tolland	0.1	0	0	0	0	0	0	0
Windham	0.1	0	0	0	0	0	0	0
SCC State Total	**4.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-012-012 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Evaporation (includes Diurnal losses)

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	1.3	0	0	0	0	0	0	0
Hartford	0.8	0	0	0	0	0	0	0
Litchfield	0.2	0	0	0	0	0	0	0
Middlesex	0.2	0	0	0	0	0	0	0
New Haven	0.7	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	0	0
Tolland	0.1	0	0	0	0	0	0	0
Windham	0.1	0	0	0	0	0	0	0
SCC State Total	**3.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-012-013 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Spillage During Transport

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	75.4	0	0	0	0	0	0	0
Hartford	47.7	0	0	0	0	0	0	0
Litchfield	13.6	0	0	0	0	0	0	0
Middlesex	9.4	0	0	0	0	0	0	0
New Haven	40.3	0	0	0	0	0	0	0
New London	10.2	0	0	0	0	0	0	0
Tolland	5.2	0	0	0	0	0	0	0
Windham	5.2	0	0	0	0	0	0	0
SCC State Total	**207**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.1: Solvent – Degreasing

SCC: 25-01-012-014 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Vapor Displacement

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	22.6	0	0	0	0	0	0	0
Hartford	14.3	0	0	0	0	0	0	0
Litchfield	4.1	0	0	0	0	0	0	0
Middlesex	2.8	0	0	0	0	0	0	0
New Haven	12.1	0	0	0	0	0	0	0
New London	3	0	0	0	0	0	0	0
Tolland	1.6	0	0	0	0	0	0	0
Windham	1.6	0	0	0	0	0	0	0
State Total	**62.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 25-01-012-015 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Spillage

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	3.5	0	0	0	0	0	0	0
Hartford	2.2	0	0	0	0	0	0	0
Litchfield	0.6	0	0	0	0	0	0	0
Middlesex	0.4	0	0	0	0	0	0	0
New Haven	1.9	0	0	0	0	0	0	0
New London	0.5	0	0	0	0	0	0	0
Tolland	0.2	0	0	0	0	0	0	0
Windham	0.2	0	0	0	0	0	0	0
State Total	**9.5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-15-000-000 Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types

Sector: Solvent - Degreasing

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	801.5	0	0	0	0	0	0	0
Hartford	1006.6	0	0	0	0	0	0	0
Litchfield	166.7	0	0	0	0	0	0	0
Middlesex	181	0	0	0	0	0	0	0
New Haven	679.2	0	0	0	0	0	0	0
New London	233	0	0	0	0	0	0	0
Tolland	73	0	0	0	0	0	0	0
Windham	67.8	0	0	0	0	0	0	0
SCC State Total	**3208.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.2: Solvent – Dry Cleaning

SCC: 24-20-000-000 Solvent Utilization - Dry Cleaning - All Processes - Total: All Solvent Types

Sector: Solvent - Dry Cleaning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	4.1	0	0	0	0	0	0	0
Hartford	2.2	0	0	0	0	0	0	0
Litchfield	0.5	0	0	0	0	0	0	0
Middlesex	0.4	0	0	0	0	0	0	0
New Haven	2.4	0	0	0	0	0	0	0
New London	1.3	0	0	0	0	0	0	0
Tolland	0.5	0	0	0	0	0	0	0
Windham	0.1	0	0	0	0	0	0	0
SCC State Total	**11.5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.3: Solvent – Graphic Arts

SCC: 24-25-000-000 Solvent Utilization - Graphic Arts - All Processes - Total: All Solvent Types

Sector: Solvent - Graphic Arts

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	1630.6	0	0	0	0	0	0	0
Hartford	2420.2	0	0	0	0	0	0	0
Litchfield	186.9	0	0	0	0	0	0	0
Middlesex	98.4	0	0	0	0	0	0	0
New Haven	1503.2	0	0	0	0	0	0	0
New London	280.4	0	0	0	0	0	0	0
Tolland	276.1	0	0	0	0	0	0	0
Windham	255.5	0	0	0	0	0	0	0
SCC State Total	**6651.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.4: Solvent – Consumer & Commercial Solvent Use

SCC: 24-60-100-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Personal Care Products - Total: All Solvent

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	942.1	0	0	0	0	0	0	0
Hartford	898.9	0	0	0	0	0	0	0
Litchfield	186.7	0	0	0	0	0	0	0
Middlesex	165.4	0	0	0	0	0	0	0
New Haven	863	0	0	0	0	0	0	0
New London	274	0	0	0	0	0	0	0
Tolland	151.7	0	0	0	0	0	0	0
Windham	117.6	0	0	0	0	0	0	0
SCC State Total	**3599.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-60-200-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Household Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	1036.3	0	0	0	0	0	0	0
Hartford	988.7	0	0	0	0	0	0	0
Litchfield	205.3	0	0	0	0	0	0	0
Middlesex	181.9	0	0	0	0	0	0	0
New Haven	949.3	0	0	0	0	0	0	0
New London	301.4	0	0	0	0	0	0	0
Tolland	166.9	0	0	0	0	0	0	0
Windham	129.4	0	0	0	0	0	0	0
SCC State Total	**3959.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-60-400-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Automotive Aftermarket Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	640.6	0	0	0	0	0	0	0
Hartford	611.2	0	0	0	0	0	0	0
Litchfield	126.9	0	0	0	0	0	0	0
Middlesex	112.5	0	0	0	0	0	0	0
New Haven	586.9	0	0	0	0	0	0	0
New London	186.3	0	0	0	0	0	0	0
Tolland	103.2	0	0	0	0	0	0	0
Windham	80	0	0	0	0	0	0	0
SCC State Total	**2447.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-60-500-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Coatings and Related Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	447.5	0	0	0	0	0	0	0
Hartford	427	0	0	0	0	0	0	0
Litchfield	88.7	0	0	0	0	0	0	0
Middlesex	78.6	0	0	0	0	0	0	0
New Haven	409.9	0	0	0	0	0	0	0
New London	130.1	0	0	0	0	0	0	0
Tolland	72.1	0	0	0	0	0	0	0
Windham	55.9	0	0	0	0	0	0	0
SCC State Total	**1709.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-60-600-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Adhesives and Sealants - Total: All Solvent

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	268.5	0	0	0	0	0	0	0
Hartford	256.2	0	0	0	0	0	0	0
Litchfield	53.2	0	0	0	0	0	0	0
Middlesex	47.1	0	0	0	0	0	0	0
New Haven	246	0	0	0	0	0	0	0
New London	78.1	0	0	0	0	0	0	0
Tolland	43.2	0	0	0	0	0	0	0
Windham	33.5	0	0	0	0	0	0	0
SCC State Total	**1025.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-60-800-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All FIFRA Related Products - Total: All Solvent

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	838.5	0	0	0	0	0	0	0
Hartford	800	0	0	0	0	0	0	0
Litchfield	166.1	0	0	0	0	0	0	0
Middlesex	147.2	0	0	0	0	0	0	0
New Haven	768.1	0	0	0	0	0	0	0
New London	243.8	0	0	0	0	0	0	0
Tolland	135	0	0	0	0	0	0	0
Windham	104.7	0	0	0	0	0	0	0
SCC State Total	**3203.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-60-900-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Miscellaneous Products (Not Otherwise Covered} - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	33	0	0	0	0	0	0	0
Hartford	31.5	0	0	0	0	0	0	0
Litchfield	6.5	0	0	0	0	0	0	0
Middlesex	5.8	0	0	0	0	0	0	0
New Haven	30.2	0	0	0	0	0	0	0
New London	9.6	0	0	0	0	0	0	0
Tolland	5.3	0	0	0	0	0	0	0
Windham	4.1	0	0	0	0	0	0	0
SCC State Total	**126**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.5: Solvent – Industrial Surface Coating & Solvent Use

SCC: 24-01-001-000 Solvent Utilization - Surface Coating - Architectural Coatings - Total: All Solvent Types

Sector: Solvent - Non-Industrial Surface Coating

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	885.6	0	0	0	0	0	0	0
Hartford	844.9	0	0	0	0	0	0	0
Litchfield	175.5	0	0	0	0	0	0	0
Middlesex	155.5	0	0	0	0	0	0	0
New Haven	811.2	0	0	0	0	0	0	0
New London	257.5	0	0	0	0	0	0	0
Tolland	142.6	0	0	0	0	0	0	0
Windham	110.6	0	0	0	0	0	0	0
SCC State Total	**3383.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-005-000 Solvent Utilization - Surface Coating - Auto Refinishing: SIC 7532 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	194.7	0	0	0	0	0	0	0
Hartford	206.1	0	0	0	0	0	0	0
Litchfield	53.4	0	0	0	0	0	0	0
Middlesex	33.6	0	0	0	0	0	0	0
New Haven	192.7	0	0	0	0	0	0	0
New London	66.7	0	0	0	0	0	0	0
Tolland	35	0	0	0	0	0	0	0
Windham	21.8	0	0	0	0	0	0	0
SCC State Total	**804**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-008-000 Solvent Utilization - Surface Coating - Traffic Markings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	60.5	0	0	0	0	0	0	0
Hartford	57.7	0	0	0	0	0	0	0
Litchfield	12	0	0	0	0	0	0	0
Middlesex	10.6	0	0	0	0	0	0	0
New Haven	55.4	0	0	0	0	0	0	0
New London	17.6	0	0	0	0	0	0	0
Tolland	9.7	0	0	0	0	0	0	0
Windham	7.5	0	0	0	0	0	0	0
SCC State Total	**231**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-015-000 Solvent Utilization - Surface Coating - Factory Finished Wood: SIC 2426 thru 242 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.5	0	0	0	0	0	0	0
Hartford	4.2	0	0	0	0	0	0	0
Litchfield	1.5	0	0	0	0	0	0	0
Middlesex	0.7	0	0	0	0	0	0	0
New Haven	5	0	0	0	0	0	0	0
New London	1.5	0	0	0	0	0	0	0
Tolland	1.2	0	0	0	0	0	0	0
Windham	2.8	0	0	0	0	0	0	0
SCC State Total	**19.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-020-000 Solvent Utilization - Surface Coating - Wood Furniture: SIC 25 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	76.7	0	0	0	0	0	0	0
Hartford	164.7	0	0	0	0	0	0	0
Litchfield	23.8	0	0	0	0	0	0	0
Middlesex	8.6	0	0	0	0	0	0	0
New Haven	48.5	0	0	0	0	0	0	0
New London	13.6	0	0	0	0	0	0	0
Tolland	3.6	0	0	0	0	0	0	0
Windham	3.2	0	0	0	0	0	0	0
SCC State Total	**342.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-025-000 Solvent Utilization - Surface Coating - Metal Furniture: SIC 25 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.6	0	0	0	0	0	0	0
Hartford	3.4	0	0	0	0	0	0	0
Litchfield	2.5	0	0		0	0		0
Middlesex	0.4	0	0	0	0	0	0	0
New Haven	8.3	0	0	0	0	0	0	0
New London	0.4	0	0		0	0		0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**17.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-030-000 Solvent Utilization - Surface Coating - Paper: SIC 26 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	29.1	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	2	0	0	0	0	0	0	0
New Haven	12.4	0	0	0	0	0	0	0
New London	36.2	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**79.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-040-000 Solvent Utilization - Surface Coating - Metal Cans: SIC 341 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	60.4	0	0	0	0	0	0	0
Hartford	60.4	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	60.4	0	0	0	0	0	0	0
New Haven	108.4	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	9.6	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**299.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-055-000 Solvent Utilization - Surface Coating - Machinery and Equipment: SIC 35 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	34	0	0	0	0	0	0	0
Hartford	11.9	0	0	0	0	0	0	0
Litchfield	3.9	0	0	0	0	0	0	0
Middlesex	13.5	0	0	0	0	0	0	0
New Haven	11.6	0	0	0	0	0	0	0
New London	11.7	0	0	0	0	0	0	0
Tolland	15	0	0	0	0	0	0	0
Windham	1	0	0	0	0	0	0	0
SCC State Total	**102.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-060-000 Solvent Utilization - Surface Coating - Large Appliances: SIC 363 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	5.9	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**5.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-065-000 Solvent Utilization - Surface Coating - Electronic and Other Electrical: SIC 36 - 363 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	5.2	0	0	0	0	0	0	0
Hartford	6.3	0	0	0	0	0	0	0
Litchfield	0.5	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	11.1	0	0	0	0	0	0	0
New London	0.1	0	0	0	0	0	0	0
Tolland	0.9	0	0	0	0	0	0	0
Windham	5.7	0	0	0	0	0	0	0
SCC State Total	**29.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-070-000 Solvent Utilization - Surface Coating - Motor Vehicles: SIC 371 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	42.4	0	0	0	0	0	0	0
Hartford	49	0	0	0	0	0	0	0
Litchfield	67.2	0	0	0	0	0	0	0
Middlesex	48.7	0	0	0	0	0	0	0
New Haven	68.4	0	0	0	0	0	0	0
New London	2.9	0	0	0	0	0	0	0
Tolland	3.9	0	0	0	0	0	0	0
Windham	0.6	0	0	0	0	0	0	0
SCC State Total	**283.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: **24-01-075-000**Solvent Utilization - Surface Coating - Aircraft: SIC 372 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	100.8	0	0	0	0	0	0	0
Hartford	100.8	0	0	0	0	0	0	0
Litchfield	0.1	0	0	0	0	0	0	0
Middlesex	21.6	0	0	0	0	0	0	0
New Haven	3.8	0	0	0	0	0	0	0
New London	0.3	0	0	0	0	0	0	0
Tolland	0.1	0	0	0	0	0	0	0
Windham	2.2	0	0	0	0	0	0	0
SCC State Total	**229.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-080-000 Solvent Utilization - Surface Coating - Marine: SIC 373 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.4	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	1.2	0	0	0	0	0	0	0
New Haven	7.4	0	0	0	0	0	0	0
New London	633.4	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**644.4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-085-000 Solvent Utilization - Surface Coating - Railroad: SIC 374 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0.4	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0.4	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-090-000 Solvent Utilization - Surface Coating - Miscellaneous Manufacturing - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	57.2	0	0	0	0	0	0	0
Hartford	60.9	0	0	0	0	0	0	0
Litchfield	19.3	0	0	0	0	0	0	0
Middlesex	6.4	0	0	0	0	0	0	0
New Haven	132.4	0	0	0	0	0	0	0
New London	7.3	0	0	0	0	0	0	0
Tolland	4	0	0	0	0	0	0	0
Windham	9.3	0	0	0	0	0	0	0
SCC State Total	**296.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-100-000 Solvent Utilization - Surface Coating - Industrial Maintenance Coatings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	70.7	0	0	0	0	0	0	0
Hartford	67.4	0	0	0	0	0	0	0
Litchfield	14	0	0	0	0	0	0	0
Middlesex	12.4	0	0	0	0	0	0	0
New Haven	64.7	0	0	0	0	0	0	0
New London	20.5	0	0	0	0	0	0	0
Tolland	11.4	0	0	0	0	0	0	0
Windham	8.8	0	0	0	0	0	0	0
SCC State Total	**269.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-01-200-000 Solvent Utilization - Surface Coating - Other Special Purpose Coatings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.8	0	0	0	0	0	0	0
Hartford	2.7	0	0	0	0	0	0	0
Litchfield	0.6	0	0	0	0	0	0	0
Middlesex	0.5	0	0	0	0	0	0	0
New Haven	2.6	0	0	0	0	0	0	0
New London	0.8	0	0	0	0	0	0	0
Tolland	0.5	0	0	0	0	0	0	0
Windham	0.4	0	0	0	0	0	0	0
SCC State Total	**10.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.3.6: Asphalt Paving – Cutback and Emulsified

SCC: 24-61-021-000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Cutback Asphalt - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-61-022-000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Emulsified Asphalt - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.4.1: Crops & Livestock Dust

SCC: 28-01-000-003 Miscellaneous Area Sources - Agriculture Production - Crops - Agriculture - Crops - Tilling

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	41.9	8.4	0	0	0
Hartford	0	0	0	146.4	29.3	0	0	0
Litchfield	0	0	0	312.6	62.5	0	0	0
Middlesex	0	0	0	53.3	10.7	0	0	0
New Haven	0	0	0	108.6	21.7	0	0	0
New London	0	0	0	147	29.4	0	0	0
Tolland	0	0	0	106.2	21.2	0	0	0
Windham	0	0	0	105.7	21.1	0	0	0
SCC State Total	**0**	**0**	**0**	**1021.7**	**204.3**	**0**	**0**	**0**

SCC: 28-05-001-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle - finishing operations on feedlots (drylots) - Dust Kicked-up by Hooves (use 28-05-020, -001, -002, or -003 for Waste

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	5.5	1.1	0	0	0
Hartford	0	0	0	24	4.9	0	0	0
Litchfield	0	0	0	93.9	19.4	0	0	0
Middlesex	0	0	0	13.1	2.7	0	0	0
New Haven	0	0	0	21.5	4.3	0	0	0
New London	0	0	0	78.5	16.1	0	0	0
Tolland	0	0	0	77.8	16.1	0	0	0
Windham	0	0	0	87.9	17.9	0	0	0
SCC State Total	**0**	**0**	**0**	**402.2**	**82.5**	**0**	**0**	**0**

Part 4.4.2: Livestock Waste

SCC: 28-05-002-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle production composite - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	1.1	0	0	0	0	0	13.1	0
Hartford	4.3	0	0	0	0	0	53.4	0
Litchfield	16	0	0	0	0	0	199.4	0
Middlesex	2.4	0	0	0	0	0	30.2	0
New Haven	3.4	0	0	0	0	0	42	0
New London	12.6	0	0	0	0	0	156.4	0
Tolland	12.8	0	0	0	0	0	159.2	0
Windham	13.5	0	0	0	0	0	168	0
SCC State Total	**66.1**	**0**	**0**	**0**	**0**	**0**	**821.7**	**0**

SCC: 28-05-007-100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - layers with dry manure management systems - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.1	0	0	0	0	0.7	0	0
Hartford	0.1	0	0	0	0	0.9	0	0
Litchfield	0.1	0	0	0	0	1.6	0	0
Middlesex	0	0	0	0	0	0.4	0	0
New Haven	0.1	0	0	0	0	0.9	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0.5	0	0
Windham	0.1	0	0	0	0	1.3	0	0
SCC State Total	**0.5**	**0**	**0**	**0**	**0**	**6.3**	**0**	**0**

SCC: 28-05-009-100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0.3	0
Hartford	0	0	0	0	0	0	0.1	0
Litchfield	0	0	0	0	0	0	0.3	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	2.2	0
Tolland	0	0	0	0	0	0	0.3	0
Windham	0.6	0	0	0	0	0	7.3	0
SCC State Total	**0.8**	**0**	**0**	**0**	**0**	**0**	**10.5**	**0**

SCC: 28-05-018-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle composite - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.1	0	0	0	0	0	0.9	0
Hartford	1.1	0	0	0	0	0	13.2	0
Litchfield	6.3	0	0	0	0	0	78.4	0
Middlesex	0.4	0	0	0	0	0	5.5	0
New Haven	1.6	0	0	0	0	0	20.1	0
New London	6.5	0	0	0	0	0	81.4	0
Tolland	6.3	0	0	0	0	0	78.7	0
Windham	8.2	0	0	0	0	0	101.7	0
SCC State Total	**30.5**	**0**	**0**	**0**	**0**	**0**	**379.9**	**0**

SCC: 28-05-025-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production composite - Not Elsewhere Classified (see also 28-05-039, -047, -053)

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0.4	0	0
Hartford	0.2	0	0	0	0	3	0	0
Litchfield	0.2	0	0	0	0	2.9	0	0
Middlesex	0.1	0	0	0	0	1	0	0
New Haven	0.3	0	0	0	0	3.5	0	0
New London	0.5	0	0	0	0	5.8	0	0
Tolland	0.1	0	0	0	0	1.7	0	0
Windham	0.3	0	0	0	0	4.1	0	0
SCC State Total	**1.7**	**0**	**0**	**0**	**0**	**22.4**	**0**	**0**

SCC: 28-05-030-007 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Ducks

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0.4	0
Hartford	0	0	0	0	0	0	0.3	0
Litchfield	0	0	0	0	0	0	0.4	0
Middlesex	0	0	0	0	0	0	0.1	0
New Haven	0	0	0	0	0	0	1.1	0
New London	0	0	0	0	0	0	0.5	0
Tolland	0	0	0	0	0	0	0.4	0
Windham	0	0	0	0	0	0	0.6	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**3.8**	**0**

SCC: 28-05-030-008 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Geese

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0.1	0
Hartford	0	0	0	0	0	0	0.1	0
Litchfield	0	0	0	0	0	0	0.3	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0.1	0
New London	0	0	0	0	0	0	0.1	0
Tolland	0	0	0	0	0	0	0.1	0
Windham	0	0	0	0	0	0	0.1	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0**

SCC: 28-05-035-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Horses and Ponies Waste Emissions - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	13.2	0	0
Hartford	0	0	0	0	0	24.9	0	0
Litchfield	0	0	0	0	0	31.9	0	0
Middlesex	0	0	0	0	0	17.3	0	0
New Haven	0	0	0	0	0	18.7	0	0
New London	0	0	0	0	0	19.5	0	0
Tolland	0	0	0	0	0	15.4	0	0
Windham	0	0	0	0	0	13.6	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**154.5**	**0**	**0**

SCC: 28-05-040-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Sheep and Lambs Waste Emissions - Total

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0.8	0
Hartford	0	0	0	0	0	0	1.8	0
Litchfield	0	0	0	0	0	0	4.4	0
Middlesex	0	0	0	0	0	0	1.6	0
New Haven	0	0	0	0	0	0	1.6	0
New London	0	0	0	0	0	0	5.2	0
Tolland	0	0	0	0	0	0	3.2	0
Windham	0	0	0	0	0	0	1.5	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**20.1**	**0**

SCC: 28-05-045-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Goats Waste Emissions - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	1.6	0
Hartford	0	0	0	0	0	0	6.6	0
Litchfield	0	0	0	0	0	0	5.3	0
Middlesex	0	0	0	0	0	0	3.8	0
New Haven	0	0	0	0	0	0	4.7	0
New London	0	0	0	0	0	0	4.9	0
Tolland	0	0	0	0	0	0	3.4	0
Windham	0	0	0	0	0	0	1.7	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**32**	**0**

Part 4.4.3: Fertilizer Application

SCC: 28-01-700-099 Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers

Sector: Agriculture - Fertilizer Application

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	3.2	0
Hartford	0	0	0	0	0	0	26.3	0
Litchfield	0	0	0	0	0	0	19.7	0
Middlesex	0	0	0	0	0	0	3.8	0
New Haven	0	0	0	0	0	0	11.7	0
New London	0	0	0	0	0	0	16.8	0
Tolland	0	0	0	0	0	0	11.2	0
Windham	0	0	0	0	0	0	12.1	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**104.8**	**0**

Part 4.4.4: Field Burning

SCC: 28-01-500-000 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Unspecified crop type and Burn Method

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-141 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Bean (red): Headfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-150 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Corn: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-151 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Double Crop Winter Wheat and Corn

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-152 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - DoubleCrop Corn and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-160 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Cotton: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-170 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Grasses: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-171 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire -

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-220 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Rice: Burning Techniques Not Significant

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-250 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Sugar Cane: Burning Techniques Not Significant

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-262 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Wheat: Backfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-263 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Cotton

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-01-500-264 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.4.5: Pesticide

SCC: 24-61-850-000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Pesticide Application: Agricultural - All Processes

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.4	0	0	0	0	0	0	0
Hartford	16.7	0	0	0	0	0	0	0
Litchfield	8.7	0	0	0	0	0	0	0
Middlesex	4.4	0	0	0	0	0	0	0
New Haven	10.6	0	0	0	0	0	0	0
New London	6	0	0	0	0	0	0	0
Tolland	6.9	0	0	0	0	0	0	0
Windham	7.9	0	0	0	0	0	0	0
SCC State Total	**63.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.5.1: Paved Roads

SCC: 22-94-000-000 Mobile Sources - Paved Roads - All Paved Roads - Total: Fugitives

Sector: Dust - Paved Road Dust

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	657.9	164.5	0	0	0
Hartford	0	0	0	740	184.5	0	0	0
Litchfield	0	0	0	286.3	71.2	0	0	0
Middlesex	0	0	0	180.7	44.8	0	0	0
New Haven	0	0	0	378.5	94	0	0	0
New London	0	0	0	342.2	84.9	0	0	0
Tolland	0	0	0	222.3	53.3	0	0	0
Windham	0	0	0	176.6	43.1	0	0	0
SCC State Total	**0**	**0**	**0**	**2984.5**	**740.3**	**0**	**0**	**0**

SCC: 22-94-000-002 Mobile Sources - Paved Roads - All Paved Roads - Total: Sanding/Salting - Fugitives

Sector: Dust - Paved Road Dust

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.5.2: Unpaved Roads

SCC: 22-96-000-000 Mobile Sources - Unpaved Roads - All Unpaved Roads - Total: Fugitives

Sector: Dust - Unpaved Road Dust

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	536.8	53.4	0	0	0
Hartford	0	0	0	602.4	59.9	0	0	0
Litchfield	0	0	0	949.7	94.4	0	0	0
Middlesex	0	0	0	501.3	49.9	0	0	0
New Haven	0	0	0	388.3	38.6	0	0	0
New London	0	0	0	874.8	87	0	0	0
Tolland	0	0	0	716.3	71.2	0	0	0
Windham	0	0	0	721.1	71.7	0	0	0
SCC State Total	**0**	**0**	**0**	**5290.7**	**526.1**	**0**	**0**	**0**

Subpart 4.5.3.1: Non-Residential Construction

SCC: 23-11-020-000 Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total

Sector: Dust - Construction Dust

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	1066.8	106.7	0	0	0
Hartford	0	0	0	1324.7	132.5	0	0	0
Litchfield	0	0	0	135.2	13.5	0	0	0
Middlesex	0	0	0	278.7	27.9	0	0	0
New Haven	0	0	0	905.8	90.6	0	0	0
New London	0	0	0	674.3	67.4	0	0	0
Tolland	0	0	0	160.5	16	0	0	0
Windham	0	0	0	43	4.3	0	0	0
SCC State Total	**0**	**0**	**0**	**4589**	**458.9**	**0**	**0**	**0**

Subpart 4.5.3.2: Residential Construction

SCC: 23-11-010-000 Industrial Processes - Construction: SIC 15 - 17 - Residential - Total

Sector: Dust - Construction Dust

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	45.8	4.6	0	0	0
Hartford	0	0	0	41.1	4.1	0	0	0
Litchfield	0	0	0	5.4	0.5	0	0	0
Middlesex	0	0	0	8.6	0.9	0	0	0
New Haven	0	0	0	35.6	3.6	0	0	0
New London	0	0	0	19.5	2	0	0	0
Tolland	0	0	0	6.4	0.6	0	0	0
Windham	0	0	0	3.8	0.4	0	0	0
SCC State Total	**0**	**0**	**0**	**166.2**	**16.7**	**0**	**0**	**0**

Subpart 4.5.3.3: Road Construction

SCC: 23-11-030-000 Industrial Processes - Construction: SIC 15 - 17 - Road Construction - Total

Sector: Dust - Construction Dust

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	197.3	19.7	0	0	0
Hartford	0	0	0	118.9	11.9	0	0	0
Litchfield	0	0	0	16.4	1.6	0	0	0
Middlesex	0	0	0	24.9	2.5	0	0	0
New Haven	0	0	0	122.3	12.2	0	0	0
New London	0	0	0	79.4	7.9	0	0	0
Tolland	0	0	0	17.7	1.8	0	0	0
Windham	0	0	0	12.2	1.2	0	0	0
SCC State Total	**0**	**0**	**0**	**589.1**	**58.8**	**0**	**0**	**0**

Subsection 4.6: Oil and Gas Production

SCC: 23-10-000-220 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Drill Rigs

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-000-330 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Artificial Lift

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-000-550 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-000-660 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Hydraulic Fracturing Engines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-010-100 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-010-200 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Tanks - Flashing & Standing/Working/Breathing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-010-300 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-011-000 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Total: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-011-201 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Tank Truck/Railcar Loading: Crude Oil

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-011-501 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-011-502 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-011-503 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-011-505 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-010 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Storage Tanks: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-030 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Tank Truck/Railcar Loading:

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-102 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-202 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-251 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Lean Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-300 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-302 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-351 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Rich Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-400 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Dehydrators

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-501 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-502 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-503 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-505 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-506 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Other

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-021-603 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Venting - Blowdowns

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-010 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Storage Tanks: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-030 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Tank Truck/Railcar Loading: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-100 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-102 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-202 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-251 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Lateral Compressors 4 Cycle

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-300 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-302 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-310 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-351 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Lateral Compressors 4 Cycle

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-400 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Dehydrators

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-511 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-512 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-513 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-515 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-516 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Other

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-600 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Completion: All

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-603 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Venting - Blowdowns

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-023-606 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-111-100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-111-401 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-111-700 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-121-100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-121-401 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-10-121-700 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.7.1: Mining and Quarrying

SCC: 23-25-000-000 Industrial Processes - Mining and Quarrying: SIC 14 - All Processes - Total

Sector: Industrial Processes - Mining

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	276	34.5	0	0	0
Hartford	0	0	0	144.3	18	0	0	0
Litchfield	0	0	0	551.2	68.9	0	0	0
Middlesex	0	0	0	14.7	1.8	0	0	0
New Haven	0	0	0	155.1	19.4	0	0	0
New London	0	0	0	12.1	1.5	0	0	0
Tolland	0	0	0	29.7	3.7	0	0	0
Windham	0	0	0	88.2	11	0	0	0
SCC State Total	**0**	**0**	**0**	**1271.3**	**158.8**	**0**	**0**	**0**

Part 4.7.2: Commercial Cooking

SCC: 23-02-002-100 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Conveyorized Charbroiling

Sector: Commercial Cooking

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	9	0	30.1	36	34.9	0	0	0
Hartford	7.8	0	26	31.1	30.2	0	0	0
Litchfield	1.5	0	5.1	6	5.9	0	0	0
Middlesex	1.6	0	5.5	6.6	6.4	0	0	0
New Haven	7.2	0	24	28.8	27.9	0	0	0
New London	2.2	0	7.3	8.8	8.5	0	0	0
Tolland	0.8	0	2.7	3.2	3.1	0	0	0
Windham	0.7	0	2.5	3	2.9	0	0	0
SCC State Total	**30.8**	**0**	**103.2**	**123.5**	**119.8**	**0**	**0**	**0**

SCC: 23-02-002-200 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Under-fired Charbroiling

Sector: Commercial Cooking

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	32.6	0	106.7	272	262.9	0	0	0
Hartford	26.5	0	86.6	220.8	213.5	0	0	0
Litchfield	5.2	0	17.2	43.8	42.3	0	0	0
Middlesex	5	0	16.4	41.9	40.5	0	0	0
New Haven	24.3	0	79.6	203	196.2	0	0	0
New London	6.6	0	21.7	55.3	53.5	0	0	0
Tolland	2.9	0	9.5	24.1	23.3	0	0	0
Windham	2.5	0	8.3	21.3	20.6	0	0	0
SCC State Total	**105.6**	**0**	**346**	**882.2**	**852.8**	**0**	**0**	**0**

SCC: 23-02-003-000 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Deep Fat Frying

Sector: Commercial Cooking

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	4.9	0	0	0	0	0	0	0
Hartford	4	0	0	0	0	0	0	0
Litchfield	0.8	0	0	0	0	0	0	0
Middlesex	0.9	0	0	0	0	0	0	0
New Haven	3.8	0	0	0	0	0	0	0
New London	1.1	0	0	0	0	0	0	0
Tolland	0.4	0	0	0	0	0	0	0
Windham	0.4	0	0	0	0	0	0	0
SCC State Total	**16.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 23-02-003-100 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Flat Griddle Frying

Sector: Commercial Cooking

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	4.2	0	8.7	70.6	53.6	0	0	0
Hartford	3.5	0	7.3	58.8	44.7	0	0	0
Litchfield	0.7	0	1.5	12	9.1	0	0	0
Middlesex	0.6	0	1.3	10.9	8.2	0	0	0
New Haven	3.2	0	6.5	52.8	40.2	0	0	0
New London	0.9	0	1.8	14.6	11.1	0	0	0
Tolland	0.4	0	0.8	6.5	4.9	0	0	0
Windham	0.3	0	0.7	5.7	4.3	0	0	0
SCC State Total	**13.8**	**0**	**28.6**	**231.9**	**176.1**	**0**	**0**	**0**

SCC: 23-02-003-200 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Clamshell Griddle Frying

Sector: Commercial Cooking

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.2	0	0	4.4	3.8	0	0	0
Hartford	0.1	0	0	3.5	3	0	0	0
Litchfield	0	0	0	0.6	0.5	0	0	0
Middlesex	0	0	0	0.8	0.7	0	0	0
New Haven	0.1	0	0	3.5	3	0	0	0
New London	0	0	0	1	0.9	0	0	0
Tolland	0	0	0	0.3	0.3	0	0	0
Windham	0	0	0	0.3	0.3	0	0	0
SCC State Total	**0.4**	**0**	**0**	**14.4**	**12.5**	**0**	**0**	**0**

Part 4.7.3: Residential Charcoal Grilling

SCC: 28-10-025-000 Miscellaneous Area Sources - Other Combustion - Residential Grilling (see 23-02-002-xxx for Commercial) - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	13.6	15.6	728.6	51	40.8	0	0	0
Hartford	13.7	15.7	733.5	51.3	41.1	0	0	0
Litchfield	3.4	4	184.4	12.9	10.3	0	0	0
Middlesex	2.8	3.2	150.5	10.5	8.4	0	0	0
New Haven	13.1	15.1	702.4	49.1	39.3	0	0	0
New London	4.5	5.2	241.2	16.9	13.5	0	0	0
Tolland	2.3	2.7	124	8.7	6.9	0	0	0
Windham	1.9	2.2	101	7.1	5.7	0	0	0
SCC State Total	**55.3**	**63.7**	**2965.6**	**207.5**	**166**	**0**	**0**	**0**

Subsection 4.8: Prescribed Burning and Wildfires (Events)

SCC: 28-10-001-001 Miscellaneous Area Sources - Other Combustion - as Event - Forest Wildfires - Smoldering

Sector: Fires - Wildfires

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	2.3	0	9.8	0.9	0.8	0	0.2	0
Hartford	1.2	0	5.2	0.5	0.4	0	0.1	0
Litchfield	3.3	0.1	14.3	1.3	1.1	0.1	0.2	0
Middlesex	1	0	4.1	0.4	0.3	0	0.1	0
New Haven	5.2	0.1	22.4	2.1	1.8	0.1	0.4	0
New London	1.6	0	6.8	0.6	0.5	0	0.1	0
Tolland	1.9	0	8.3	0.8	0.7	0	0.1	0
Windham	1	0	4.4	0.4	0.3	0	0.1	0
SCC State Total	**17.5**	**0.2**	**75.3**	**7**	**5.9**	**0.2**	**1.3**	**0**

SCC: 28-10-001-002 Miscellaneous Area Sources - Other Combustion - as Event - Forest Wildfires - Flaming

Sector: Fires - Wildfires

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	4.5	0.6	18.5	2.2	1.9	0.3	0.3	0
Hartford	0.7	0.1	3	0.4	0.3	0	0	0
Litchfield	6.5	0.9	26.8	3.2	2.7	0.4	0.5	0
Middlesex	0.3	0	1.1	0.1	0.1	0	0	0
New Haven	2.6	0.4	10.9	1.3	1.1	0.1	0.2	0
New London	0.9	0.1	3.8	0.5	0.4	0.1	0.1	0
Tolland	3.7	0.5	15.4	1.8	1.6	0.2	0.3	0
Windham	2	0.3	8.3	1	0.8	0.1	0.1	0
SCC State Total	**21.2**	**2.9**	**87.8**	**10.5**	**8.9**	**1.2**	**1.5**	**0**

SCC: 28-11-015-001 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering

Sector: Fires - Prescribed Fires

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	20.7	0.4	88.9	8.3	7	0.4	1.4	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	21	0.4	89.9	8.4	7.1	0.4	1.5	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**41.7**	**0.8**	**178.8**	**16.7**	**14.1**	**0.8**	**2.9**	**0**

SCC: 28-11-015-002 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming

Sector: Fires - Prescribed Fires

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	45.9	6.4	190	22.7	19.3	2.6	3.2	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	45.9	6.4	190.2	22.8	19.3	2.6	3.2	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**91.8**	**12.8**	**380.2**	**45.5**	**38.6**	**5.2**	**6.4**	**0**

Subsection 4.9: Waste Disposal & Recycling

SCC: 26-20-030-001 Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Dumping/Crushing/Spreading of New Materials (working face)

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 26-50-000-000 Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Total: All Processes

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 26-50-000-002 Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Shredding

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-50-001-000 Miscellaneous Area Sources - Health Services - Dental Alloy Production - Overall Process

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-51-001-000 Miscellaneous Area Sources - Laboratories - Bench Scale Reagents - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-61-000-000 Miscellaneous Area Sources - Fluorescent Lamp Breakage - Non-recycling Related Emissions - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 28-61-000-010 Miscellaneous Area Sources - Fluorescent Lamp Breakage - Recycling Related Emissions - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.9.1: Greenwaste Composting

SCC: 26-80-003-000 Waste Disposal, Treatment, and Recovery - Composting - 100% Green Waste (e.g., residential or municipal yard wastes) - All

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	415.1	0	0	0	0	0	58.7	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	69.2	0	0	0	0	0	9.8	0
New London	69.2	0	0	0	0	0	9.8	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**553.5**	**0**	**0**	**0**	**0**	**0**	**78.3**	**0**

Subpart 4.9.2.1: Yard Waste – Brush and Leaves

SCC: 26-10-000-100 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Leaf Species Unspecified

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 26-10-000-400 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Brush Species Unspecified

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0.9	0.2	6.8	1	0.7	0.1	0	0
Hartford	2.1	0.5	15.3	2.2	1.7	0.2	0	0
Litchfield	3.3	0.9	24.2	3.4	2.6	0.3	0	0
Middlesex	1.7	0.5	12.8	1.8	1.4	0.2	0	0
New Haven	0.7	0.2	4.9	0.7	0.5	0.1	0	0
New London	3	0.8	22.3	3.1	2.4	0.3	0	0
Tolland	2.5	0.7	18.2	2.6	2	0.2	0	0
Windham	2.5	0.7	18.4	2.6	2	0.2	0	0
SCC State Total	**16.7**	**4.5**	**122.9**	**17.4**	**13.3**	**1.6**	**0**	**0**

Subpart 4.9.2.2: Open Burning of Land Clearing Debris

SCC: 26-10-000-500 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.9.2.3: Household Waste

SCC: 26-10-030-000 Waste Disposal, Treatment, and Recovery - Open Burning - Residential - Household Waste (use 26-10-000-xxx for Yard Wastes)

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.9.3: Publicly Owned Treatment Works (POTW)

SCC: 26-30-020-000 Waste Disposal, Treatment, and Recovery - Wastewater Treatment - Public Owned - Total Processed

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	12.9	0	0	0	0	0	2.6	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	2.5	0	0	0	0	0	0.5	0
Middlesex	2.2	0	0	0	0	0	0.4	0
New Haven	11.7	0	0	0	0	0	2.3	0
New London	3.7	0	0	0	0	0	0.7	0
Tolland	2.1	0	0	0	0	0	0.4	0
Windham	1.6	0	0	0	0	0	0.3	0
SCC State Total	**36.7**	**0**	**0**	**0**	**0**	**0**	**7.2**	**0**

Part 4.9.4: Emissions Calculated by EPA's Mercury Tool – Human Cremation

SCC: 28-10-060-100 Miscellaneous Area Sources - Other Combustion - Cremation - Humans

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	3.7	0	0.2	0.2	0.6	0	0.0015
Hartford	0	3.5	0	0.2	0.2	0.5	0	0.0014
Litchfield	0	0.7	0	0	0	0.1	0	0.0003
Middlesex	0	0.6	0	0	0	0.1	0	0.0003
New Haven	0	3.4	0	0.2	0.2	0.5	0	0.0013
New London	0	1.1	0	0.1	0.1	0.2	0	0.0004
Tolland	0	0.6	0	0	0	0.1	0	0.0002
Windham	0	0.5	0	0	0	0.1	0	0.0002
SCC State Total	**0**	**14.1**	**0**	**0.7**	**0.7**	**2.2**	**0**	**0.0056**

SCC: 28-10-060-200 Miscellaneous Area Sources - Other Combustion - Cremation - Animals

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Part 4.9.5: CT Landfill Emissions Estimates

SCC: 26-20-030-000 Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total

Sector: Waste Disposal

County Name	VOC [TPY]	NO_X [TPY]	CO [TPY]	PM_{10}-PRI [TPY]	$PM_{2.5}$-PRI [TPY]	SO_2 [TPY]	NH_3 [TPY]	Pb [TPY]
Fairfield	56	0	0	0	0	0	0	0
Hartford	147.2	0	0	0	0	0	0	0
Litchfield	103.3	0	0	0	0	0	0	0
Middlesex	2.9	0	0	0	0	0	0	0
New Haven	26.5	0	0	0	0	0	0	0
New London	12.7	0	0	0	0	0	0	0
Tolland	6.5	0	0	0	0	0	0	0
Windham	7.9	0	0	0	0	0	0	0
SCC State Total	**363**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Table I-2: Summer Day Emissions of Area Sources by SCC

Subpart 4.1.2.1: ICI Coal Combustion

SCC: 21-02-001-000 Stationary Source Fuel Combustion - Industrial - Anthracite Coal - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Coal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-02-002-000 Stationary Source Fuel Combustion - Industrial - Bituminous/Subbituminous Coal - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Coal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-03-001-000 Stationary Source Fuel Combustion - Commercial/Institutional - Anthracite Coal - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Coal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-03-002-000 Stationary Source Fuel Combustion - Commercial/Institutional Bituminous/Subbituminous Coal - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Coal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.1.2.2: ICI Distillate Oil Combustion

SCC: 21-02-004-001 Stationary Source Fuel Combustion - Industrial - Distillate Oil - All

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	1.1	107.2	26.8
Hartford	1.5	146.4	36.6
Litchfield	0.3	28.8	7.2
Middlesex	0.3	31.5	7.9
New Haven	1.1	105.2	26.3
New London	0.4	40.6	10.1
Tolland	0.1	10.7	2.7
Windham	0.2	18.3	4.6
SCC State Total	**5**	**488.7**	**122.2**

SCC: 21-02-004-002 Stationary Source Fuel Combustion - Industrial - Distillate Oil - All IC

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	28.8	414.5	89.2
Hartford	39.4	566.3	121.9
Litchfield	7.7	111.3	23.9
Middlesex	8.5	121.8	26.2
New Haven	28.3	407	87.6
New London	10.9	157	33.8
Tolland	2.9	41.5	8.9
Windham	4.9	70.6	15.2
SCC State Total	**131.4**	**1890**	**406.7**

SCC: 21-03-004-001 Stationary Source Fuel Combustion - Commercial/Institutional -
Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	8.6	506.9	126.7
Hartford	7.3	427.1	106.8
Litchfield	0.8	44.7	11.2
Middlesex	0.9	55.4	13.8
New Haven	5.7	332.8	83.2
New London	1.6	97	24.2
Tolland	0.5	30.7	7.7
Windham	0.5	26.6	6.7
SCC State Total	**25.9**	**1521.2**	**380.3**

SCC: 21-03-004-002 Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - IC Engines
Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	59.2	850.8	183.1
Hartford	49.8	716.8	154.3
Litchfield	5.2	75.1	16.2
Middlesex	6.5	93	20
New Haven	38.8	558.5	120.2
New London	11.3	162.7	35
Tolland	3.6	51.5	11.1
Windham	3.1	44.7	9.6
SCC State Total	**177.5**	**2553.1**	**549.5**

Subpart 4.1.2.3: ICI Residual Oil Combustion

SCC: 21-02-005-000 Stationary Source Fuel Combustion - Industrial - Residual Oil - Total: All Boiler Types
Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0.8	0.1
Hartford	0	1.1	0.1
Litchfield	0	0.2	0
Middlesex	0	0.2	0
New Haven	0	0.8	0.1
New London	0	0.3	0
Tolland	0	0.1	0
Windham	0	0.1	0
SCC State Total	**0**	**3.6**	**0.3**

SCC: 21-03-005-000 Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.5	24.1	2.2
Hartford	0.4	20.3	1.8
Litchfield	0	2.1	0.2
Middlesex	0.1	2.6	0.2
New Haven	0.3	15.8	1.4
New London	0.1	4.6	0.4
Tolland	0	1.5	0.1
Windham	0	1.3	0.1
SCC State Total	**1.4**	**72.3**	**6.4**

Subpart 4.1.2.4: ICI Natural Gas Combustion

SCC: 21-02-006-000 Stationary Source Fuel Combustion - Industrial - Natural Gas - Total: Boilers and IC Engines

Sector: Fuel Comb - Industrial Boilers, ICEs - Natural Gas

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	67.3	1224.4	1028.5
Hartford	92	1672.8	1405.2
Litchfield	18.1	328.6	276.1
Middlesex	19.8	359.8	302.3
New Haven	66.1	1202.3	1009.9
New London	25.5	463.8	389.6
Tolland	6.7	122.6	103
Windham	11.5	208.6	175.2
SCC State Total	**307**	**5582.9**	**4689.8**

SCC: 21-03-006-000 Stationary Source Fuel Combustion - Commercial/Institutional - Natural Gas - Total: Boilers and IC Engines

Sector: Fuel Comb - Comm/Institutional - Natural Gas

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	140.8	2560.9	2151.2
Hartford	118.7	2157.5	1812.3
Litchfield	12.4	226	189.8
Middlesex	15.4	279.8	235.1
New Haven	92.5	1681.2	1412.2
New London	26.9	489.8	411.4
Tolland	8.5	154.9	130.2
Windham	7.4	134.6	113.1
SCC State Total	**422.6**	**7684.7**	**6455.3**

Subpart 4.1.2.5: ICI LPG Combustion

SCC: 21-02-007-000 Stationary Source Fuel Combustion - Industrial - Liquified Petroleum Gas (LPG) - Total: All Boiler Types

Sector: Fuel Comb - Industrial Boilers, ICEs - Other

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.8	20.7	11.6
Hartford	1	28.3	15.8
Litchfield	0.2	5.6	3.1
Middlesex	0.2	6.1	3.4
New Haven	0.7	20.3	11.4
New London	0.3	7.8	4.4
Tolland	0.1	2.1	1.2
Windham	0.1	3.5	2
SCC State Total	**3.4**	**94.4**	**52.9**

SCC: 21-03-007-000 Stationary Source Fuel Combustion - Commercial/Institutional - Liquified Petroleum Gas (LPG) - Total: All Combustor Types

Sector: Fuel Comb - Comm/Institutional - Other

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	8.3	228.3	127.9
Hartford	7	192.3	107.7
Litchfield	0.7	20.1	11.3
Middlesex	0.9	24.9	14
New Haven	5.5	149.9	83.9
New London	1.6	43.7	24.5
Tolland	0.5	13.8	7.7
Windham	0.4	12	6.7
SCC State Total	**24.9**	**685**	**383.7**

Subpart 4.1.2.6: ICI Wood Combustion

SCC: 21-02-008-000 Stationary Source Fuel Combustion - Industrial - Wood - Total: All

Sector: Fuel Comb - Industrial Boilers, ICEs - Biomass

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-03-008-000 Stationary Source Fuel Combustion - Commercial/Institutional - Wood - Total: All Boiler Types

Sector: Fuel Comb - Comm/Institutional - Biomass

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.1.2.7: ICI Kerosene Combustion

SCC: 21-02-011-000 Stationary Source Fuel Combustion - Industrial - Kerosene - Total:

Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.2	16	4
Hartford	0.2	21.8	5.5
Litchfield	0	4.3	1.1
Middlesex	0	4.7	1.2
New Haven	0.2	15.7	3.9
New London	0.1	6.1	1.5
Tolland	0	1.6	0.4
Windham	0	2.7	0.7
SCC State Total	**0.7**	**72.9**	**18.3**

SCC: 21-03-011-000 Stationary Source Fuel Combustion - Commercial/Institutional - Kerosene - Total: All Combustor Types

Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.1	3.1	0.8
Hartford	0	2.6	0.7
Litchfield	0	0.3	0.1
Middlesex	0	0.3	0.1
New Haven	0	2	0.5
New London	0	0.6	0.1
Tolland	0	0.2	0
Windham	0	0.2	0
SCC State Total	**0.1**	**9.3**	**2.3**

Subpart 4.1.3.1: Residential Coal Combustion

SCC: 21-04-001-000 Stationary Source Fuel Combustion - Residential - Anthracite Coal - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-002-000 Stationary Source Fuel Combustion - Residential - Bituminous/Subbituminous Coal - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.1.3.2: Residential Distillate Oil Combustion

SCC: 21-04-004-000 Stationary Source Fuel Combustion - Residential - Distillate Oil - Total: All Combustor Types

Sector: Fuel Comb - Residential - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	42	1080.9	300.3
Hartford	37.2	957.4	265.9
Litchfield	12.9	331.7	92.1
Middlesex	11.6	298.2	82.8
New Haven	39.7	1021.8	283.8
New London	18.1	465.8	129.4
Tolland	9.8	250.8	69.7
Windham	7.6	195.2	54.2
SCC State Total	**178.9**	**4601.8**	**1278.2**

Subpart 4.1.3.4: Residential Natural Gas Combustion

SCC: 21-04-006-000 Stationary Source Fuel Combustion - Residential - Natural Gas - Total: All Combustor Types

Sector: Fuel Comb - Residential - Natural Gas

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	60.6	1036.2	440.9
Hartford	76.2	1302.4	554.2
Litchfield	5	84.6	36
Middlesex	4.2	71.2	30.3
New Haven	58.6	1001.9	426.3
New London	6.7	114.3	48.7
Tolland	3.1	52.1	22.2
Windham	2.3	38.9	16.6
SCC State Total	**216.7**	**3701.6**	**1575.2**

Subpart 4.1.3.5: Residential LPG Combustion

SCC: 21-04-007-000 Stationary Source Fuel Combustion - Residential - Liquified Petroleum Gas (LPG) - Total: All Combustor Types

Sector: Fuel Comb - Residential - Other

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	9.4	241.1	68.4
Hartford	10.3	263.7	74.8
Litchfield	4.4	111.8	31.7
Middlesex	4	101.9	28.9
New Haven	9.6	245.3	69.6
New London	6.3	162.6	46.1
Tolland	3.8	97.7	27.7
Windham	2.9	73.7	20.9
SCC State Total	**50.7**	**1297.8**	**368.1**

Subpart 4.1.3.6: Residential Wood Combustion

SCC: 21-04-008-100 Stationary Source Fuel Combustion - Residential - Wood - Fireplace:

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-210 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-220 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; non-catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-230 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-310 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-320 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, non-catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-330 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, catalytic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-400 Stationary Source Fuel Combustion - Residential - Wood - Woodstove: pellet-fired, general (freestanding or FP insert)

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-510 Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, cordwood-fired, non-EPA certified

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-610 Stationary Source Fuel Combustion - Residential - Wood - Hydronic

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 21-04-008-700 Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimeas, etc)

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	55.8	7.7	439.9
Hartford	163.8	22.5	1291.6
Litchfield	12.2	1.7	96.5
Middlesex	31.2	4.3	245.9
New Haven	53.3	7.3	419.9
New London	15.5	2.1	122.1
Tolland	26.2	3.6	206.8
Windham	7	1	55
SCC State Total	**365**	**50.2**	**2877.7**

SCC: 21-04-009-000 Stationary Source Fuel Combustion - Residential - Firelog - Total: All

Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.1.3.7: Residential Kerosene Combustion

SCC: 21-04-011-000 Stationary Source Fuel Combustion - Residential - Kerosene - Total:

Sector: Fuel Comb - Residential - Oil

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.2	3.9	1.1
Hartford	0.1	3.5	1
Litchfield	0	1.2	0.3
Middlesex	0	1.1	0.3
New Haven	0.1	3.7	1
New London	0.1	1.7	0.5
Tolland	0	0.9	0.3
Windham	0	0.7	0.2
SCC State Total	**0.5**	**16.7**	**4.7**

Part 4.2.1: Bulk Plant and Terminals

SCC: 25-01-050-120 Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Terminals: All Evaporative Losses - Gasoline

Sector: Bulk Gasoline Terminals

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	5.3	0	0
Hartford	5	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0.4	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**10.7**	**0**	**0**

SCC: 25-01-055-120 Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Plants: All Evaporative Losses - Gasoline

Sector: Bulk Gasoline Terminals

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.2.2: Aviation Gasoline, Stage 1 and 2 Distribution

SCC: 25-01-080-050 Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 1: Total

Sector: Gas Stations

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	268.5	0	0
Hartford	365.3	0	0
Litchfield	0	0	0
Middlesex	14	0	0
New Haven	199	0	0
New London	67	0	0
Tolland	62.2	0	0
Windham	89.2	0	0
SCC State Total	**1065.2**	**0**	**0**

SCC: 25-01-080-100 Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 2: Total

Sector: Gas Stations

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	10.3	0	0
Hartford	14	0	0
Litchfield	0	0	0
Middlesex	0.5	0	0
New Haven	7.6	0	0
New London	2.6	0	0
Tolland	2.4	0	0
Windham	3.4	0	0
SCC State Total	**40.8**	**0**	**0**

Part 4.2.3: Stage I Gasoline Distribution

SCC: 25-01-060-051 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Submerged Filling

Sector: Gas Stations

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	3234.2	0	0
Hartford	3513.7	0	0
Litchfield	657.3	0	0
Middlesex	790.2	0	0
New Haven	3194.4	0	0
New London	1301.4	0	0
Tolland	652.4	0	0
Windham	450.3	0	0
SCC State Total	**13793.9**	**0**	**0**

SCC: 25-01-060-052 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Splash Filling

Sector: Gas Stations

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 25-01-060-053 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Balanced Submerged Filling

Sector: Gas Stations

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	124.8	0	0
Hartford	135.6	0	0
Litchfield	25.4	0	0
Middlesex	30.5	0	0
New Haven	123.3	0	0
New London	50.2	0	0
Tolland	25.2	0	0
Windham	17.4	0	0
SCC State Total	**532.4**	**0**	**0**

SCC: 25-01-060-201 Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Underground Tank: Breathing and

Sector: Gas Stations

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	936	0	0
Hartford	1016.6	0	0
Litchfield	190.2	0	0
Middlesex	228.7	0	0
New Haven	924.3	0	0
New London	376.6	0	0
Tolland	188.8	0	0
Windham	130.3	0	0
SCC State Total	**3991.5**	**0**	**0**

Part 4.2.4: Stage II Refueling

SCC: 22-01-00-0062 Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	2590.4	0	0
Hartford	2723.5	0	0
Litchfield	508.3	0	0
Middlesex	604.5	0	0
New Haven	2530.2	0	0
New London	968.9	0	0
Tolland	535	0	0
Windham	359.4	0	0
SCC State Total	**10820.2**	**0**	**0**

SCC: 22-02-00-0062 Mobile Sources - Highway Vehicles - Diesel - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	57.5	0	0
Hartford	61.9	0	0
Litchfield	9.2	0	0
Middlesex	14.2	0	0
New Haven	59.1	0	0
New London	23.7	0	0
Tolland	14.7	0	0
Windham	8.6	0	0
SCC State Total	**248.9**	**0**	**0**

Part 4.2.5: Industrial Processes – Storage and Transfer – Truck or Pipeline

SCC: 25-05-030-120 Storage and Transport - Petroleum and Petroleum Product Transport - Truck - Gasoline

Sector: Industrial Processes - Storage and Transfer

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	59.7	0	0
Hartford	64.8	0	0
Litchfield	12.1	0	0
Middlesex	14.6	0	0
New Haven	58.9	0	0
New London	24	0	0
Tolland	12	0	0
Windham	8.3	0	0
SCC State Total	**254.4**	**0**	**0**

SCC: 25-05-040-120 Storage and Transport - Petroleum and Petroleum Product Transport - Pipeline - Gasoline

Sector: Industrial Processes - Storage and Transfer

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	5349.1	0	0
Hartford	2147.3	0	0
Litchfield	736.2	0	0
Middlesex	736.2	0	0
New Haven	2681.6	0	0
New London	736.2	0	0
Tolland	0	0	0
Windham	122.7	0	0
SCC State Total	**12509.3**	**0**	**0**

Part 4.2.6: Portable Fuel Containers Estimates

SCC: 25-01-011-011 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Permeation

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	387.5	0	0
Hartford	245.1	0	0
Litchfield	70.1	0	0
Middlesex	48.5	0	0
New Haven	207	0	0
New London	52.3	0	0
Tolland	26.8	0	0
Windham	26.7	0	0
SCC State Total	**1064**	**0**	**0**

SCC: 25-01-011-012 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Evaporation (includes Diurnal

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	434.7	0	0
Hartford	275	0	0
Litchfield	78.7	0	0
Middlesex	54.4	0	0
New Haven	232.3	0	0
New London	58.6	0	0
Tolland	30.1	0	0
Windham	30	0	0
SCC State Total	**1193.8**	**0**	**0**

SCC: 25-01-011-013 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Spillage During Transport

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	608.6	0	0
Hartford	385	0	0
Litchfield	110.2	0	0
Middlesex	76.1	0	0
New Haven	325.2	0	0
New London	82.1	0	0
Tolland	42.1	0	0
Windham	41.9	0	0
SCC State Total	**1671.2**	**0**	**0**

SCC: 25-01-011-014 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Vapor Displacement

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	86.3	0	0
Hartford	54.6	0	0
Litchfield	15.6	0	0
Middlesex	10.8	0	0
New Haven	46.1	0	0
New London	11.6	0	0
Tolland	6	0	0
Windham	5.9	0	0
SCC State Total	**236.9**	**0**	**0**

SCC: 25-01-011-015 Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Spillage

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	20	0	0
Hartford	12.7	0	0
Litchfield	3.6	0	0
Middlesex	2.5	0	0
New Haven	10.7	0	0
New London	2.7	0	0
Tolland	1.4	0	0
Windham	1.4	0	0
SCC State Total	**55**	**0**	**0**

SCC: 25-01-012-011 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Permeation

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	16.9	0	0
Hartford	10.7	0	0
Litchfield	3.1	0	0
Middlesex	2.1	0	0
New Haven	9	0	0
New London	2.3	0	0
Tolland	1.2	0	0
Windham	1.2	0	0
SCC State Total	**46.5**	**0**	**0**

SCC: 25-01-012-012 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Evaporation (includes Diurnal

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	13.9	0	0
Hartford	8.8	0	0
Litchfield	2.5	0	0
Middlesex	1.7	0	0
New Haven	7.4	0	0
New London	1.9	0	0
Tolland	1	0	0
Windham	1	0	0
SCC State Total	**38.2**	**0**	**0**

SCC: 25-01-012-013 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Spillage During Transport

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	830.2	0	0
Hartford	525.1	0	0
Litchfield	150.3	0	0
Middlesex	103.9	0	0
New Haven	443.6	0	0
New London	112	0	0
Tolland	57.4	0	0
Windham	57.2	0	0
SCC State Total	**2279.7**	**0**	**0**

SCC: 25-01-012-014 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Vapor

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	248.6	0	0
Hartford	157.3	0	0
Litchfield	45	0	0
Middlesex	31.1	0	0
New Haven	132.8	0	0
New London	33.5	0	0
Tolland	17.2	0	0
Windham	17.1	0	0
SCC State Total	**682.6**	**0**	**0**

SCC: 25-01-012-015 Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Spillage

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	38.5	0	0
Hartford	24.4	0	0
Litchfield	7	0	0
Middlesex	4.8	0	0
New Haven	20.6	0	0
New London	5.2	0	0
Tolland	2.7	0	0
Windham	2.7	0	0
SCC State Total	**105.9**	**0**	**0**

Part 4.3.1: Solvent – Degreasing

SCC: 24-15-000-000 Solvent Utilization - Degreasing - All Processes/All Industries -

Sector: Solvent - Degreasing

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	6165.1	0	0
Hartford	7743.3	0	0
Litchfield	1282.1	0	0
Middlesex	1392.4	0	0
New Haven	5224.8	0	0
New London	1792.2	0	0
Tolland	561.7	0	0
Windham	521.4	0	0
SCC State Total	**24683**	**0**	**0**

Part 4.3.2: Solvent – Dry Cleaning

SCC: 24-20-000-000 Solvent Utilization - Dry Cleaning - All Processes - Total: All Solvent

Sector: Solvent - Dry Cleaning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	22.6	0	0
Hartford	12.3	0	0
Litchfield	2.9	0	0
Middlesex	2.3	0	0
New Haven	13.3	0	0
New London	7.1	0	0
Tolland	2.7	0	0
Windham	0.6	0	0
SCC State Total	**63.8**	**0**	**0**

Part 4.3.3: Solvent – Graphic Arts

SCC: 24-25-000-000 Solvent Utilization - Graphic Arts - All Processes - Total: All Solvent

Sector: Solvent - Graphic Arts

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	12543.3	0	0
Hartford	18617	0	0
Litchfield	1437.9	0	0
Middlesex	756.6	0	0
New Haven	11562.8	0	0
New London	2156.6	0	0
Tolland	2123.8	0	0
Windham	1965.1	0	0
SCC State Total	**51163.1**	**0**	**0**

Part 4.3.4: Solvent – Consumer & Commercial Solvent Use

SCC: 24-60-100-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Personal Care Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	5176.5	0	0
Hartford	4938.7	0	0
Litchfield	1025.6	0	0
Middlesex	908.7	0	0
New Haven	4741.8	0	0
New London	1505.4	0	0
Tolland	833.5	0	0
Windham	646.3	0	0
SCC State Total	**19776.5**	**0**	**0**

SCC: 24-60-200-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Household Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	5694.1	0	0
Hartford	5432.6	0	0
Litchfield	1128.2	0	0
Middlesex	999.6	0	0
New Haven	5216	0	0
New London	1655.9	0	0
Tolland	916.9	0	0
Windham	710.9	0	0
SCC State Total	**21754.2**	**0**	**0**

SCC: 24-60-400-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Automotive Aftermarket Products - Total: All Solvent

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	3520	0	0
Hartford	3358.3	0	0
Litchfield	697.4	0	0
Middlesex	617.9	0	0
New Haven	3224.5	0	0
New London	1023.6	0	0
Tolland	566.8	0	0
Windham	439.5	0	0
SCC State Total	**13448**	**0**	**0**

SCC: 24-60-500-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Coatings and Related Products - Total: All Solvent

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	2458.8	0	0
Hartford	2345.9	0	0
Litchfield	487.2	0	0
Middlesex	431.6	0	0
New Haven	2252.4	0	0
New London	715	0	0
Tolland	395.9	0	0
Windham	307	0	0
SCC State Total	**9393.8**	**0**	**0**

SCC: 24-60-600-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Adhesives and Sealants - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	1475.3	0	0
Hartford	1407.5	0	0
Litchfield	292.3	0	0
Middlesex	259	0	0
New Haven	1351.4	0	0
New London	429	0	0
Tolland	237.6	0	0
Windham	184.2	0	0
SCC State Total	**5636.3**	**0**	**0**

SCC: 24-60-800-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All FIFRA Related Products - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	4607.1	0	0
Hartford	4395.5	0	0
Litchfield	912.8	0	0
Middlesex	808.8	0	0
New Haven	4220.2	0	0
New London	1339.8	0	0
Tolland	741.9	0	0
Windham	575.2	0	0
SCC State Total	**17601.3**	**0**	**0**

SCC: 24-60-900-000 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Miscellaneous Products (Not Otherwise Covered) -

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	181.2	0	0
Hartford	172.9	0	0
Litchfield	35.9	0	0
Middlesex	31.8	0	0
New Haven	166	0	0
New London	52.7	0	0
Tolland	29.2	0	0
Windham	22.6	0	0
SCC State Total	**692.3**	**0**	**0**

Part 4.3.5: Solvent – Industrial Surface Coating & Solvent Use

SCC: 24-01-001-000 Solvent Utilization - Surface Coating - Architectural Coatings - Total:

Sector: Solvent - Non-Industrial Surface Coating

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	6325.6	0	0
Hartford	6035.1	0	0
Litchfield	1253.3	0	0
Middlesex	1110.5	0	0
New Haven	5794.5	0	0
New London	1839.6	0	0
Tolland	1018.6	0	0
Windham	789.8	0	0
SCC State Total	**24167**	**0**	**0**

SCC: 24-01-005-000 Solvent Utilization - Surface Coating - Auto Refinishing: SIC 7532 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	1497.7	0	0
Hartford	1585.1	0	0
Litchfield	410.5	0	0
Middlesex	258.7	0	0
New Haven	1482.7	0	0
New London	513	0	0
Tolland	269.1	0	0
Windham	168	0	0
SCC State Total	**6184.8**	**0**	**0**

SCC: 24-01-008-000 Solvent Utilization - Surface Coating - Traffic Markings - Total: All

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	711.4	0	0
Hartford	678.7	0	0
Litchfield	140.9	0	0
Middlesex	124.9	0	0
New Haven	651.6	0	0
New London	206.9	0	0
Tolland	114.5	0	0
Windham	88.8	0	0
SCC State Total	**2717.7**	**0**	**0**

SCC: 24-01-015-000 Solvent Utilization - Surface Coating - Factory Finished Wood: SIC 2426 thru 242 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	19.2	0	0
Hartford	32.1	0	0
Litchfield	11.4	0	0
Middlesex	5.7	0	0
New Haven	38.8	0	0
New London	11.4	0	0
Tolland	9.2	0	0
Windham	21.6	0	0
SCC State Total	**149.4**	**0**	**0**

SCC: 24-01-020-000 Solvent Utilization - Surface Coating - Wood Furniture: SIC 25 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	590	0	0
Hartford	1266.9	0	0
Litchfield	183	0	0
Middlesex	66.4	0	0
New Haven	373.3	0	0
New London	104.4	0	0
Tolland	27.7	0	0
Windham	24.6	0	0
SCC State Total	**2636.3**	**0**	**0**

SCC: 24-01-025-000 Solvent Utilization - Surface Coating - Metal Furniture: SIC 25 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	20.3	0	0
Hartford	25.9	0	0
Litchfield	19.4	0	0
Middlesex	3.3	0	0
New Haven	63.8	0	0
New London	3.3	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**136**	**0**	**0**

SCC: 24-01-030-000 Solvent Utilization - Surface Coating - Paper: SIC 26 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	223.5	0	0
Litchfield	0	0	0
Middlesex	15.2	0	0
New Haven	95.2	0	0
New London	278.7	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**612.6**	**0**	**0**

SCC: 24-01-040-000 Solvent Utilization - Surface Coating - Metal Cans: SIC 341 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	464.3	0	0
Hartford	464.3	0	0
Litchfield	0	0	0
Middlesex	464.3	0	0
New Haven	834.2	0	0
New London	0	0	0
Tolland	74.1	0	0
Windham	0	0	0
SCC State Total	**2301.2**	**0**	**0**

SCC: 24-01-055-000 Solvent Utilization - Surface Coating - Machinery and Equipment: SIC 35 – Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	261.4	0	0
Hartford	91.6	0	0
Litchfield	30.4	0	0
Middlesex	103.9	0	0
New Haven	89.2	0	0
New London	90.2	0	0
Tolland	115.5	0	0
Windham	7.5	0	0
SCC State Total	**789.7**	**0**	**0**

SCC: 24-01-060-000 Solvent Utilization - Surface Coating - Large Appliances: SIC 363 – Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_x [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	45.6	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**45.6**	**0**	**0**

SCC: 24-01-065-000 Solvent Utilization - Surface Coating - Electronic and Other Electrical: SIC 36 - 363 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_x [lb/day]	CO [lb/day]
Fairfield	39.8	0	0
Hartford	48.8	0	0
Litchfield	3.9	0	0
Middlesex	0	0	0
New Haven	85.3	0	0
New London	0.5	0	0
Tolland	7	0	0
Windham	44.2	0	0
SCC State Total	**229.5**	**0**	**0**

SCC: 24-01-070-000 Solvent Utilization - Surface Coating - Motor Vehicles: SIC 371 - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_x [lb/day]	CO [lb/day]
Fairfield	326.3	0	0
Hartford	377	0	0
Litchfield	516.7	0	0
Middlesex	374.6	0	0
New Haven	526	0	0
New London	22	0	0
Tolland	29.7	0	0
Windham	4.7	0	0
SCC State Total	**2177**	**0**	**0**

SCC: 24-01-075-000 Solvent Utilization - Surface Coating - Aircraft: SIC 372 - Total: All Solvent Types
Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	775.7	0	0
Hartford	775.7	0	0
Litchfield	0.4	0	0
Middlesex	166.2	0	0
New Haven	29.3	0	0
New London	2.6	0	0
Tolland	0.4	0	0
Windham	16.6	0	0
SCC State Total	**1766.9**	**0**	**0**

SCC: 24-01-080-000 Solvent Utilization - Surface Coating - Marine: SIC 373 - Total: All Solvent Types
Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	18.5	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	9.2	0	0
New Haven	57.1	0	0
New London	4872	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**4956.8**	**0**	**0**

SCC: 24-01-085-000 Solvent Utilization - Surface Coating - Railroad: SIC 374 - Total: All Solvent Types
Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	3.1	0	0
Middlesex	0	0	0
New Haven	3.1	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**6.2**	**0**	**0**

SCC: 24-01-090-000 Solvent Utilization - Surface Coating - Miscellaneous Manufacturing - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_x [lb/day]	CO [lb/day]
Fairfield	439.9	0	0
Hartford	468.6	0	0
Litchfield	148.8	0	0
Middlesex	49.5	0	0
New Haven	1018.5	0	0
New London	56.1	0	0
Tolland	30.9	0	0
Windham	71.4	0	0
SCC State Total	**2283.7**	**0**	**0**

SCC: 24-01-100-000 Solvent Utilization - Surface Coating - Industrial Maintenance Coatings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_x [lb/day]	CO [lb/day]
Fairfield	543.5	0	0
Hartford	518.6	0	0
Litchfield	107.7	0	0
Middlesex	95.4	0	0
New Haven	497.9	0	0
New London	158.1	0	0
Tolland	87.5	0	0
Windham	67.9	0	0
SCC State Total	**2076.6**	**0**	**0**

SCC: 24-01-200-000 Solvent Utilization - Surface Coating - Other Special Purpose Coatings - Total: All Solvent Types

Sector: Solvent - Industrial Surface Coating & Solvent Use

County Name	VOC [lb/day]	NO_x [lb/day]	CO [lb/day]
Fairfield	21.7	0	0
Hartford	20.7	0	0
Litchfield	4.3	0	0
Middlesex	3.8	0	0
New Haven	19.9	0	0
New London	6.3	0	0
Tolland	3.5	0	0
Windham	2.7	0	0
SCC State Total	**82.9**	**0**	**0**

Part 4.3.6: Asphalt Paving – Cutback and Emulsified

SCC: 24-61-021-000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Cutback Asphalt - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 24-61-022-000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Emulsified Asphalt - Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.1: Crops & Livestock Dust

SCC: 28-01-000-003 Miscellaneous Area Sources - Agriculture Production - Crops - Agriculture - Crops - Tilling

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-05-001-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle - finishing operations on feedlots (drylots) - Dust Kicked- up by Hooves (use 28-05-020, -001, -002, or -003 for Waste

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.2: Livestock Waste

SCC: 28-05-002-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle production composite - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	14.2	0	0
Hartford	58	0	0
Litchfield	216.6	0	0
Middlesex	32.8	0	0
New Haven	45.6	0	0
New London	169.8	0	0
Tolland	172.9	0	0
Windham	182.5	0	0
SCC State Total	**892.4**	**0**	**0**

SCC: 28-05-007-100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - layers with dry manure management systems -

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.8	0	0
Hartford	1	0	0
Litchfield	1.7	0	0
Middlesex	0.5	0	0
New Haven	1	0	0
New London	0	0	0
Tolland	0.6	0	0
Windham	1.4	0	0
SCC State Total	**7**	**0**	**0**

SCC: 28-05-009-100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.3	0	0
Hartford	0.2	0	0
Litchfield	0.3	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	2.4	0	0
Tolland	0.3	0	0
Windham	7.9	0	0
SCC State Total	**11.4**	**0**	**0**

SCC: 28-05-018-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle composite - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	1	0	0
Hartford	14.3	0	0
Litchfield	85.2	0	0
Middlesex	6	0	0
New Haven	21.8	0	0
New London	88.4	0	0
Tolland	85.5	0	0
Windham	110.5	0	0
SCC State Total	**412.7**	**0**	**0**

SCC: 28-05-025-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production composite - Not Elsewhere Classified (see also

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.4	0	0
Hartford	3.3	0	0
Litchfield	3.1	0	0
Middlesex	1.1	0	0
New Haven	3.8	0	0
New London	6.3	0	0
Tolland	1.9	0	0
Windham	4.4	0	0
SCC State Total	**24.3**	**0**	**0**

SCC: 28-05-030-007 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Ducks

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-05-030-008 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Geese

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-05-035-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Horses and Ponies Waste Emissions - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-05-040-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Sheep and Lambs Waste Emissions - Total

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-05-045-000 Miscellaneous Area Sources - Agriculture Production - Livestock - Goats Waste Emissions - Not Elsewhere Classified

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.3: Fertilizer Application

SCC: 28-01-700-099 Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers

Sector: Agriculture - Fertilizer Application

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.4: Field Burning

SCC: 28-01-500-000 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Unspecified crop type and Burn Method

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-141 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Bean (red): Headfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-150 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Corn: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-151 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Double Crop Winter Wheat and Corn

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-152 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire -

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-160 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Cotton: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-170 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Grasses: Burning Techniques Not Important

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-171 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Fallow

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-220 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Rice: Burning Techniques Not Significant

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-250 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Sugar Cane: Burning Techniques Not Significant

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-262 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - Field Crop is Wheat: Backfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-263 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Cotton

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-01-500-264 Miscellaneous Area Sources - Agriculture Production - Crops - as nonpoint - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.4.5: Pesticide

SCC: 24-61-850-000 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Pesticide Application: Agricultural - All Processes

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	30.2	0	0
Hartford	213.8	0	0
Litchfield	111.8	0	0
Middlesex	56.2	0	0
New Haven	136.5	0	0
New London	76.7	0	0
Tolland	88.5	0	0
Windham	101.6	0	0
SCC State Total	**815.3**	**0**	**0**

Part 4.5.1: Paved Roads

SCC: 22-94-000-000 Mobile Sources - Paved Roads - All Paved Roads - Total: Fugitives

Sector: Dust - Paved Road Dust

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 22-94-000-002 Mobile Sources - Paved Roads - All Paved Roads - Total:

Sector: Dust - Paved Road Dust

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.5.2: Unpaved Roads

SCC: 22-96-000-000 Mobile Sources - Unpaved Roads - All Unpaved Roads - Total:

Sector: Dust - Unpaved Road Dust

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.5.3.1: Non-Residential Construction

SCC: 23-11-020-000 Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total

Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.5.3.2: Residential Construction

SCC: 23-11-010-000 Industrial Processes - Construction: SIC 15 - 17 - Residential - Total

Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.5.3.3: Road Construction

SCC: 23-11-030-000 Industrial Processes - Construction: SIC 15 - 17 - Road Construction -

Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subsection 4.6: Oil and Gas Production

SCC: 23-10-000-220 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Drill Rigs

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-000-330 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Artificial Lift

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-000-550 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-000-660 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Hydraulic Fracturing Engines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-010-100 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-010-200 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Tanks - Flashing &

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-010-300 Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-011-000 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Total: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-011-201 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Tank Truck/Railcar Loading: Crude Oil

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-011-501 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-011-502 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-011-503 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-011-505 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-010 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Storage Tanks: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-030 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Tank Truck/Railcar Loading: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-102 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 2Cycle Lean Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-202 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Lean Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-251 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Lean Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-300 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-302 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Rich Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-351 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Rich Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-400 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Dehydrators

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-501 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-502 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-503 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-505 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-506 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Other

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-021-603 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Venting - Blowdowns

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-010 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Storage Tanks: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-030 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Tank Truck/Railcar Loading: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-100 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Heaters

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-102 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 2Cycle Lean Burn Compressor

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-202 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Lean Burn Compressor

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-251 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Lateral Compressors 4 Cycle Lean Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-300 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Devices

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-302 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Rich Burn Compressor

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-310 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-351 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Lateral Compressors 4 Cycle Rich Burn

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-400 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Dehydrators

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-511 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Connectors

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-512 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Flanges

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-513 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Open Ended Lines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-515 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Valves

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-516 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Other

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-600 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-603 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Venting - Blowdowns

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-023-606 Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-111-100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-111-401 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-111-700 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-121-100 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Mud Degassing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-121-401 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Pneumatic Pumps

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 23-10-121-700 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Completion: All Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.7.1: Mining and Quarrying

SCC: 23-25-000-000 Industrial Processes - Mining and Quarrying: SIC 14 - All Processes -

Sector: Industrial Processes - Mining

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.7.2: Commercial Cooking

SCC: 23-02-002-100 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Conveyorized Charbroiling

Sector: Commercial Cooking

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	49.5	0	165.3
Hartford	42.8	0	143
Litchfield	8.3	0	27.8
Middlesex	9	0	30.1
New Haven	39.6	0	132.1
New London	12	0	40.2
Tolland	4.4	0	14.7
Windham	4.1	0	13.9
SCC State Total	**169.7**	**0**	**567.1**

SCC: 23-02-002-200 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Under-fired Charbroiling

Sector: Commercial Cooking

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	179.2	0	586.3
Hartford	145.5	0	476
Litchfield	28.8	0	94.3
Middlesex	27.6	0	90.3
New Haven	133.8	0	437.5
New London	36.4	0	119.3
Tolland	15.9	0	52
Windham	14	0	45.8
SCC State Total	**581.2**	**0**	**1901.5**

SCC: 23-02-003-000 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Deep Fat Frying

Sector: Commercial Cooking

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	26.7	0	0
Hartford	22	0	0
Litchfield	4.2	0	0
Middlesex	4.7	0	0
New Haven	20.9	0	0
New London	6.2	0	0
Tolland	2.3	0	0
Windham	2.1	0	0
SCC State Total	**89.1**	**0**	**0**

SCC: 23-02-003-100 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Flat Griddle Frying

Sector: Commercial Cooking

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	23.2	0	48
Hartford	19.4	0	40
Litchfield	3.9	0	8.1
Middlesex	3.5	0	7.4
New Haven	17.4	0	35.9
New London	4.8	0	9.9
Tolland	2.1	0	4.4
Windham	1.8	0	3.9
SCC State Total	**76.1**	**0**	**157.6**

SCC: 23-02-003-200 Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Clamshell Griddle Frying

Sector: Commercial Cooking

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.9	0	0
Hartford	0.7	0	0
Litchfield	0.1	0	0
Middlesex	0.1	0	0
New Haven	0.7	0	0
New London	0.1	0	0
Tolland	0.1	0	0
Windham	0.1	0	0
SCC State Total	**2.8**	**0**	**0**

Part 4.7.3: Residential Charcoal Grilling

SCC: 28-10-025-000 Miscellaneous Area Sources - Other Combustion - Residential Grilling (see 23-02-002-xxx for Commercial) - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	149.7	171.8	8007.1
Hartford	150.7	173	8060.6
Litchfield	37.9	43.5	2026
Middlesex	30.9	35.5	1654.3
New Haven	144.3	165.6	7719.1
New London	49.6	56.9	2651
Tolland	25.5	29.2	1362.1
Windham	20.8	23.8	1110.2
SCC State Total	**609.4**	**699.3**	**32590.4**

Subsection 4.8: Prescribed Burning and Wildfires (Events)

SCC: 28-10-001-001 Miscellaneous Area Sources - Other Combustion - as Event - Forest Wildfires - Smoldering

Sector: Fires - Wildfires

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	4.7	0.1	20
Hartford	2.5	0	10.7
Litchfield	6.8	0.1	29.3
Middlesex	2	0	8.4
New Haven	10.7	0.2	45.9
New London	3.2	0.1	13.9
Tolland	4	0.1	17
Windham	2.1	0	9
SCC State Total	**36**	**0.6**	**154.2**

SCC: 28-10-001-002 Miscellaneous Area Sources - Other Combustion - as Event - Forest

Sector: Fires - Wildfires

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	9.2	1.3	37.9
Hartford	1.5	0.2	6.1
Litchfield	13.3	1.9	55
Middlesex	0.5	0.1	2.2
New Haven	5.4	0.8	22.4
New London	1.9	0.3	7.8
Tolland	7.6	1.1	31.6
Windham	4.1	0.6	17
SCC State Total	**43.5**	**6.3**	**180**

SCC: 28-11-015-001 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering

Sector: Fires - Prescribed Fires

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-11-015-002 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming

Sector: Fires - Prescribed Fires

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subsection 4.9: Waste Disposal & Recycling

SCC: 26-20-030-001 Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Dumping/Crushing/Spreading of New Materials (working face)

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 26-50-000-000 Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Total: All Processes

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 26-50-000-002 Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Shredding

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-50-001-000 Miscellaneous Area Sources - Health Services - Dental Alloy Production - Overall Process

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-51-001-000 Miscellaneous Area Sources - Laboratories - Bench Scale Reagents -

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-61-000-000 Miscellaneous Area Sources - Fluorescent Lamp Breakage - Non-recycling Related Emissions - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 28-61-000-010 Miscellaneous Area Sources - Fluorescent Lamp Breakage - Recycling Related Emissions - Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.9.1: Greenwaste Composting

SCC: 26-80-003-000 Waste Disposal, Treatment, and Recovery - Composting - 100% Green Waste (e.g., residential or municipal yard wastes) - All

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	3192.8	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	532.1	0	0
New London	532.1	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**4257**	**0**	**0**

Subpart 4.9.2.1: Yard Waste – Brush and Leaves

SCC: 26-10-000-100 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Leaf Species Unspecified

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

SCC: 26-10-000-400 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Brush Species Unspecified

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	5.1	1.3	37.5
Hartford	11.4	3	84.3
Litchfield	18	4.7	132.9
Middlesex	9.5	2.5	70.1
New Haven	3.7	1	27.2
New London	16.6	4.4	122.4
Tolland	13.6	3.6	100.2
Windham	13.7	3.6	100.9
SCC State Total	**91.6**	**24.1**	**675.5**

Subpart 4.9.2.2: Open Burning of Land Clearing Debris

SCC: 26-10-000-500 Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Land Clearing Debris (use 28-10-005-000 for Logging

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Subpart 4.9.2.3: Household Waste

SCC: 26-10-030-000 Waste Disposal, Treatment, and Recovery - Open Burning - Residential - Household Waste (use 26-10-000-xxx for Yard Wastes)

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.9.3: Publicly Owned Treatment Works (POTW)

SCC: 26-30-020-000 Waste Disposal, Treatment, and Recovery - Wastewater Treatment - Public Owned - Total Processed

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	98.9	0	0
Hartford	0	0	0
Litchfield	19.3	0	0
Middlesex	17.2	0	0
New Haven	90.2	0	0
New London	28.6	0	0
Tolland	15.8	0	0
Windham	12.2	0	0
SCC State Total	**282.2**	**0**	**0**

Part 4.9.4: Emissions Calculated by EPA's Mercury Tool – Human Cremation

SCC: 28-10-060-100 Miscellaneous Area Sources - Other Combustion - Cremation -

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0.1	20.3	0.1
Hartford	0.1	19.2	0.1
Litchfield	0	4	0
Middlesex	0	3.5	0
New Haven	0.1	18.5	0.1
New London	0	5.8	0
Tolland	0	3.3	0
Windham	0	2.5	0
SCC State Total	**0.3**	**77.1**	**0.3**

SCC: 28-10-060-200 Miscellaneous Area Sources - Other Combustion - Cremation -

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	0	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	**0**	**0**	**0**

Part 4.9.5: CT Landfill Emissions Estimates

SCC: 26-20-030-000 Waste Disposal, Treatment, and Recovery - Landfills - Municipal -

Sector: Waste Disposal

County Name	VOC [lb/day]	NO_X [lb/day]	CO [lb/day]
Fairfield	306.6	0	0
Hartford	799.9	0	0
Litchfield	566.2	0	0
Middlesex	15.8	0	0
New Haven	145	0	0
New London	69.7	0	0
Tolland	35.4	0	0
Windham	43.2	0	0
SCC State Total	**1981.8**	**0**	**0**

Table I-3: Area Source Sector Groups

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-01-000-003	Miscellaneous Area Sources - Agriculture Production - Crops - Agriculture - Crops - Tilling
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-001-000	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Beef cattle - finishing operations on feedlots (drylots)
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-002-000	Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle production composite - Not Elsewhere Classified
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-007-100	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste - Poultry Production - Layers with Dry Manure Management Systems: Confinement
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-009-100	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Confinement
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-018-000	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle composite - Not Elsewhere Classified
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-025-000	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production composite - Not Elsewhere Classified (see also 28-05-039, -047, -053)
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-030-007	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Ducks
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-030-008	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Geese
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-035-000	Miscellaneous Area Sources - Agriculture Production - Livestock - Horses and Ponies Waste Emissions - Not Elsewhere Classified
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-040-000	Miscellaneous Area Sources - Agriculture Production - Livestock - Sheep and Lambs Waste Emissions - Total
Agriculture	4.4.2	Agriculture - Livestock Waste	28-05-045-000	Miscellaneous Area Sources - Agriculture Production - Livestock - Goats Waste

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
				Emissions - Not Elsewhere Classified
Agriculture	4.4.3	Agriculture Fertilizer and Tilling	28-01-700-099	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-000	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Unspecified crop type and Burn Method
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-141	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Bean (red): Headfire Burning
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-150	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Corn: Burning Techniques Not Important
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-151	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Double Crop Winter Wheat and Corn
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-152	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Corn and Soybeans
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-160	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Cotton: Burning Techniques Not Important
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-170	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Grasses: Burning Techniques Not Important
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-171	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Fallow
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-220	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Rice: Burning Techniques Not Significant
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-250	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
				- whole field set on fire - Field Crop is Sugar Cane: Burning Techniques Not Significant
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-262	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Field Crop is Wheat: Backfire Burning
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-263	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Cotton
Agriculture	4.4.4	Agricultural Field Burning	28-01-500-264	Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Soybeans
Agriculture	4.4.5	Agricultural Pesticide	24-61-850-000	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Pesticide Application: Agricultural - All Processes
Asphalt Paving – Cutback and Emulsified	4.3.6	Asphalt Paving – Cutback and Emulsified	24-61-021-000	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Cutback Asphalt - Total: All Solvent Types
Asphalt Paving – Cutback and Emulsified	4.3.6	Asphalt Paving – Cutback and Emulsified	24-61-022-000	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Emulsified Asphalt - Total: All Solvent Types
Aviation Gasoline Distribution	4.2.2	Aviation Gasoline Distribution	25-01-080-050	Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 1: Total
Aviation Gasoline Distribution	4.2.2	Aviation Gasoline Distribution	25-01-080-100	Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 2: Total
Bulk Plants and Terminals	4.2.1	Bulk Plants and Terminals	25-01-050-120	Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Terminals: All Evaporative Losses - Gasoline
Bulk Plants and Terminals	4.2.1	Bulk Plants and Terminals	25-01-055-120	Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Plants: All Evaporative Losses - Gasoline
Commercial Cooking	4.7.2	Commercial Cooking	23-02-002-100	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Conveyorized Charbroiling
Commercial Cooking	4.7.2	Commercial Cooking	23-02-002-200	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Under-fired Charbroiling

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Commercial Cooking	4.7.2	Commercial Cooking	23-02-003-000	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Deep Fat Frying
Commercial Cooking	4.7.2	Commercial Cooking	23-02-003-100	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Flat Griddle Frying
Commercial Cooking	4.7.2	Commercial Cooking	23-02-003-200	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Clamshell Griddle Frying
Construction Dust	4.5.3.1	Non-ResidentiaConstruction Dust	23-11-020-000	Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total
Construction Dust	4.5.3.2	Residential Construction Dust	23-11-010-000	Industrial Processes - Construction: SIC 15 - 17 - Residential - Total
Construction Dust	4.5.3.3	Road Construction Construction Dust	23-11-030-000	Industrial Processes - Construction: SIC 15 - 17 - Road Construction - Total
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	26-20-030-001	Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Dumping/Crushing/Spreading of New Materials (working face)
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	26-50-000-000	Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Total: All Processes
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	26-50-000-002	Waste Disposal, Treatment, and Recovery - Scrap and Waste Materials - Scrap and Waste Materials - Shredding
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-10-060-100	Miscellaneous Area Sources - Other Combustion - Cremation - Humans
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-10-060-200	Miscellaneous Area Sources - Other Combustion - Cremation - Animals

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-50-001-000	Miscellaneous Area Sources - Health Services - Dental Alloy Production - Overall Process
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-51-001-000	Miscellaneous Area Sources - Laboratories - Bench Scale Reagents - Total
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-61-000-000	Miscellaneous Area Sources - Fluorescent Lamp Breakage - Fluorescent Lamp Breakage - Non-recycling Related Emissions: Total
Cremation or Other Nonpoint Non-Combustion-Related Mercury Soures	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Soure	28-61-000-010	Miscellaneous Area Sources - Fluorescent Lamp Breakage - Fluorescent Lamp Breakage - Recycling Related Emissions: Total
Fuel Combustion Commercial and Institutional Coal	4.1.2.1	Fuel Combustion Industrial, Commercial and Institutional Coal	21-03-001-000	Stationary Source Fuel Combustion - Commercial/Institutional - Anthracite Coal - Total: All Boiler Types
Fuel Combustion Commercial and Institutional Coal	4.1.2.1	Fuel Combustion Industrial, Commercial and Institutional Coal	21-03-002-000	Stationary Source Fuel Combustion - Commercial/Institutional - Bituminous/Subbituminous Coal - Total: All Boiler Types
Fuel Combustion Commercial and Institutional Distillate Oil	4.1.2.2	Fuel Combustion Industrial, Commercial and Institutional Distillate Oil	21-03-004-001	Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers
Fuel Combustion Commercial and Institutional Distillate Oil	4.1.2.2	Fuel Combustion Industrial, Commercial and Institutional Distillate Oil	21-03-004-002	Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - IC Engines
Fuel Combustion Commercial and Institutional Kerosene	4.1.2.7	Fuel Combustion Industrial, Commercial and Institutional Kerosene	21-03-011-000	Stationary Source Fuel Combustion - Commercial/Institutional - Kerosene - Total: All Combustor Types
Fuel Combustion Commercial and	4.1.2.5	Fuel Combustion Industrial, Commercial	21-03-007-000	Stationary Source Fuel Combustion - Commercial/Institutional - Liquified

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Institutional Liquified Petroleum Gas (LPG)		and Institutional Liquified Petroleum Gas (LPG)		Petroleum Gas (LPG) - Total: All Combustor Types
Fuel Combustion Commercial and Institutional Natural Gas	4.1.2.4	Fuel Combustion Industrial, Commercial and Institutional Natural Gas	21-03-006-000	Stationary Source Fuel Combustion - Commercial/Institutional - Natural Gas - Total: Boilers and IC Engines
Fuel Combustion Commercial and Institutional Residual Oil	4.1.2.3	Fuel Combustion Industrial, Commercial and Institutional Residual Oil	21-03-005-000	Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types
Fuel Combustion Commercial and Institutional Wood	4.1.2.6	Fuel Combustion Industrial, Commercial and Institutional Wood	21-03-008-000	Stationary Source Fuel Combustion - Commercial/Institutional - Wood - Total: All Boiler Types
Fuel Combustion Industrial Coal	4.1.2.1	Fuel Combustion Industrial, Commercial and Institutional Coal	21-02-001-000	Stationary Source Fuel Combustion - Industrial - Anthracite Coal - Total: All Boiler Types
Fuel Combustion Industrial Coal	4.1.2.1	Fuel Combustion Industrial, Commercial and Institutional Coal	21-02-002-000	Stationary Source Fuel Combustion - Industrial - Bituminous/Subbituminous Coal - Total: All Boiler Types
Fuel Combustion Industrial Distillate Oil	4.1.2.2	Fuel Combustion Industrial, Commercial and Institutional Distillate Oil	21-02-004-001	Stationary Source Fuel Combustion - Industrial - Distillate Oil - All Boiler Types
Fuel Combustion Industrial Distillate Oil	4.1.2.2	Fuel Combustion Industrial, Commercial and Institutional Distillate Oil	21-02-004-002	Stationary Source Fuel Combustion - Industrial - Distillate Oil - All IC Engine Types
Fuel Combustion Industrial Kerosene	4.1.2.7	Fuel Combustion Industrial, Commercial and Institutional Kerosene	21-02-011-000	Stationary Source Fuel Combustion - Industrial - Kerosene - Total: All Boiler Types
Fuel Combustion Industrial Liquified Petroleum Gas (LPG)	4.1.2.5	Fuel Combustion Industrial, Commercial and Institutional Liquified Petroleum Gas (LPG)	21-02-007-000	Stationary Source Fuel Combustion - Industrial - Liquified Petroleum Gas (LPG) - Total: All Boiler Types
Fuel Combustion Industrial Natural Gas	4.1.2.4	Fuel Combustion Industrial, Commercial and Institutional Natural	21-02-006-000	Stationary Source Fuel Combustion - Industrial - Natural Gas - Total: Boilers and IC Engines

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
		Gas		
Fuel Combustion Industrial Residual Oil	4.1.2.3	Fuel Combustion Industrial, Commercial and Institutional Residual Oil	21-02-005-000	Stationary Source Fuel Combustion - Industrial - Residual Oil - Total: All Boiler Types
Fuel Combustion Industrial Wood	4.1.2.6	Fuel Combustion Industrial, Commercial and Institutional Wood	21-02-008-000	Stationary Source Fuel Combustion - Industrial - Wood - Total: All Boiler Types
Gas Stations - Stage I	4.2.3	Gas Stations - Stage I	25-01-060-051	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Submerged Filling
Gas Stations - Stage I	4.2.3	Gas Stations - Stage I	25-01-060-052	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Splash Filling
Gas Stations - Stage I	4.2.3	Gas Stations - Stage I	25-01-060-053	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Balanced Submerged Filling
Gas Stations - Stage I	4.2.3	Gas Stations - Stage I	25-01-060-201	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Underground Tank: Breathing and Emptying
Gas Stations - Stage II	4.2.4	Gas Stations - Stage II	22-01-00-0062	Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement
Gas Stations - Stage II	4.2.4	Gas Stations - Stage II	22-02-00-0062	Mobile Sources - Highway Vehicles - Diesel - Refueling - Total Spillage and Displacement
Industrial Processes - Storage and Transfer - Truck or Pipeline	4.2.5	Industrial Processes - Storage and Transfer - Truck or Pipeline	25-05-030-120	Storage and Transport - Petroleum and Petroleum Product Transport - Truck - Gasoline
Industrial Processes - Storage and Transfer - Truck or Pipeline	4.2.5	Industrial Processes - Storage and Transfer - Truck or Pipeline	25-05-040-120	Storage and Transport - Petroleum and Petroleum Product Transport - Pipeline - Gasoline
Mining and Quarrying	4.7.1	Mining and Quarrying	23-25-000-000	Industrial Processes - Mining and Quarrying: SIC 10 and SIC 14 - All Processes - Total
Municipal Landfill Emissions	4.9.5	Municipal Landfill Emissions	26-20-030-000	Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-220	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Drill Rigs
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-330	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Artificial Lift
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-550	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-660	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Hydraulic Fracturing Engines
Oil and Gas Production	4.6	Oil and Gas Production	23-10-010-100	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Heaters
Oil and Gas Production	4.6	Oil and Gas Production	23-10-010-200	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Tanks - Flashing & Standing/Working/Breathing
Oil and Gas Production	4.6	Oil and Gas Production	23-10-010-300	Industrial Processes - Oil and Gas Exploration and Production - Crude Petroleum - Oil Well Pneumatic Devices
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-000	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Total: All Processes
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-201	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Tank Truck/Railcar Loading: Crude Oil
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-501	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Connectors
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-502	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Flanges
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-503	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Open Ended Lines
Oil and Gas Production	4.6	Oil and Gas Production	23-10-011-505	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Fugitives: Valves
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-010	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production -

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
				Storage Tanks: Condensate
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-030	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Tank Truck/Railcar Loading: Condensate
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-100	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Heaters
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-102	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-202	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-251	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Lean Burn
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-300	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Pneumatic Devices
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-302	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Natural Gas Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-351	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Lateral Compressors 4 Cycle Rich Burn
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-400	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Dehydrators
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-501	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Connectors
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-502	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Flanges
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-503	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Open Ended Lines

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-505	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Valves
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-506	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Fugitives: Other
Oil and Gas Production	4.6	Oil and Gas Production	23-10-021-603	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Gas Well Venting - Blowdowns
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-010	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Storage Tanks: Condensate
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-030	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Tank Truck/Railcar Loading: Condensate
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-100	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Heaters
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-102	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-202	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-251	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Lateral Compressors 4 Cycle Lean Burn
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-300	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Devices
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-302	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Fired 4Cycle Rich Burn Compressor Engines 50 To 499 HP
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-310	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Pneumatic Pumps
Oil and Gas	4.6	Oil and Gas Production	23-10-023-	Industrial Processes - Oil and Gas Exploration

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Production			351	and Production - Coal Bed Methane Natural Gas - Lateral Compressors 4 Cycle Rich Burn
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-400	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Dehydrators
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-511	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Connectors
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-512	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Flanges
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-513	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Open Ended Lines
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-515	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Valves
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-516	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Fugitives: Other
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-600	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Completion: All Processes
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-603	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - CBM Well Venting - Blowdowns
Oil and Gas Production	4.6	Oil and Gas Production	23-10-023-606	Industrial Processes - Oil and Gas Exploration and Production - Coal Bed Methane Natural Gas - Mud Degassing
Oil and Gas Production	4.6	Oil and Gas Production	23-10-111-100	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Mud Degassing
Oil and Gas Production	4.6	Oil and Gas Production	23-10-111-401	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Pneumatic Pumps
Oil and Gas Production	4.6	Oil and Gas Production	23-10-111-700	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Exploration - Oil Well Completion: All Processes
Oil and Gas Production	4.6	Oil and Gas Production	23-10-121-100	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration -

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
				Mud Degassing
Oil and Gas Production	4.6	Oil and Gas Production	23-10-121-401	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Pneumatic Pumps
Oil and Gas Production	4.6	Oil and Gas Production	23-10-121-700	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Exploration - Gas Well Completion: All Processes
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-011	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Permeation
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-012	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Evaporation (includes Diurnal losses)
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-013	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Spillage During Transport
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-014	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Vapor Displacement
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-011-015	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Spillage
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-011	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Permeation
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-012	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Evaporation (includes Diurnal losses)
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-013	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Spillage During Transport
Portable Fuel Containers Estimates	4.2.6	Portable Fuel Containers Estimates	25-01-012-014	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Vapor Displacement
Portable Fuel Containers	4.2.6	Portable Fuel Containers Estimates	25-01-012-015	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Estimates				Portable Gas Cans - Refilling at the Pump - Spillage
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-10-001-001	Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Smoldering
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-10-001-002	Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Flaming
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-11-015-001	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-11-015-002	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming
Publically Owned Treatment Works (POTW)	4.9.3	Publically Owned Treatment Works (POTW)	26-30-020-000	Waste Disposal, Treatment, and Recovery - Wastewater Treatment - Public Owned - Total Processed
Residential Charcoal Grilling	4.7.3	Residential Charcoal Grilling	28-10-025-000	Miscellaneous Area Sources - Other Combustion - Residential Grilling (see 23-02-002-xxx for Commercial) - Total
Residential Heating: Coal	4.1.3.1	Residential Heating: Coal	21-04-001-000	Stationary Source Fuel Combustion - Residential - Anthracite Coal - Total: All Combustor Types
Residential Heating: Coal	4.1.3.1	Residential Heating: Coal	21-04-002-000	Stationary Source Fuel Combustion - Residential - Bituminous/Subbituminous Coal - Total: All Combustor Types
Residential Heating: Distillate Oil	4.1.3.2	Residential Heating: Distillate Oil	21-04-004-000	Stationary Source Fuel Combustion - Residential - Distillate Oil - Total: All Combustor Types
Residential Heating: Kerosene	4.1.3.7	Residential Heating: Kerosene	21-04-011-000	Stationary Source Fuel Combustion - Residential - Kerosene - Total: All Heater Types
Residential Heating: LPG	4.1.3.5	Residential Heating: LPG	21-04-007-000	Stationary Source Fuel Combustion - Residential - Liquified Petroleum Gas (LPG) - Total: All Combustor Types
Residential Heating: Natural Gas	4.1.3.4	Residential Heating: Natural Gas	21-04-006-000	Stationary Source Fuel Combustion - Residential - Natural Gas - Total: All Combustor Types
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-100	Stationary Source Fuel Combustion - Residential - Wood - Fireplace: general

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-210	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; non-EPA certified
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-220	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; non-catalytic
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-230	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; catalytic
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-310	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, non-EPA certified
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-320	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, non-catalytic
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-330	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, catalytic
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-400	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: pellet-fired, general (freestanding or FP insert)
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-510	Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, cordwood-fired, non-EPA certified
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-610	Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-008-700	Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimeas, etc)
Residential Heating: Wood	4.1.3.6	Residential Heating: Wood	21-04-009-000	Stationary Source Fuel Combustion - Residential - Firelog - Total: All Combustor Types
Road Dust	4.5.1	Paved Roads	22-94-000-000	Mobile Sources - Paved Roads - All Paved Roads - Total: Fugitives
Road Dust	4.5.1	Paved Roads	22-94-000-002	Mobile Sources - Paved Roads - All Paved Roads - Total: Sanding/Salting - Fugitives
Road Dust	4.5.2	Unpaved Roads	22-96-000-000	Mobile Sources - Unpaved Roads - All Unpaved Roads - Total: Fugitives
Solvent -	4.3.4	Solvent - Consumer &	24-60-100-	Solvent Utilization - Miscellaneous Non-

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Consumer & Commercial Solvent Use		Commercial Solvent Use	000	industrial: Consumer and Commercial - All Personal Care Products - Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-200-000	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Household Products - Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-400-000	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Automotive Aftermarket Products - Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-500-000	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Coatings and Related Products - Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-600-000	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Adhesives and Sealants - Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-800-000	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All FIFRA Related Products - Total: All Solvent Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-900-000	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Miscellaneous Products (Not Otherwise Covered) - Total: All Solvent Types
Solvent – Degreasing	4.3.1	Solvent – Degreasing	24-15-000-000	Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types
Solvent - Dry Cleaning	4.3.2	Solvent - Dry Cleaning	24-20-000-000	Solvent Utilization - Dry Cleaning - All Processes - Total: All Solvent Types
Solvent - Graphic Arts	4.3.3	Solvent - Graphic Arts	24-25-000-000	Solvent Utilization - Graphic Arts - All Processes - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-001-000	Solvent Utilization - Surface Coating - Architectural Coatings - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-005-000	Solvent Utilization - Surface Coating - Auto Refinishing: SIC 7532 - Total: All Solvent Types
Solvent - Industrial	4.3.5	Solvent - Industrial	24-01-008-	Solvent Utilization - Surface Coating - Traffic

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Surface Coating & Solvent Use		Surface Coating & Solvent Use	000	Markings - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-015-000	Solvent Utilization - Surface Coating - Factory Finished Wood: SIC 2426 thru 242 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-020-000	Solvent Utilization - Surface Coating - Wood Furniture: SIC 25 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-025-000	Solvent Utilization - Surface Coating - Metal Furniture: SIC 25 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-030-000	Solvent Utilization - Surface Coating - Paper: SIC 26 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-040-000	Solvent Utilization - Surface Coating - Metal Cans: SIC 341 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-055-000	Solvent Utilization - Surface Coating - Machinery and Equipment: SIC 35 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-060-000	Solvent Utilization - Surface Coating - Large Appliances: SIC 363 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-065-000	Solvent Utilization - Surface Coating - Electronic and Other Electrical: SIC 36 - 363 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-070-000	Solvent Utilization - Surface Coating - Motor Vehicles: SIC 371 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-075-000	Solvent Utilization - Surface Coating - Aircraft: SIC 372 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-080-000	Solvent Utilization - Surface Coating - Marine: SIC 373 - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-085-000	Solvent Utilization - Surface Coating - Railroad: SIC 374 - Total: All Solvent Types
Solvent - Industrial Surface Coating &	4.3.5	Solvent - Industrial Surface Coating &	24-01-090-000	Solvent Utilization - Surface Coating - Miscellaneous Manufacturing - Total: All

Data Grouping Name	Section Number	Area Source Section Name	SCC	SCC Description
Solvent Use		Solvent Use		Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-100-000	Solvent Utilization - Surface Coating - Industrial Maintenance Coatings - Total: All Solvent Types
Solvent - Industrial Surface Coating & Solvent Use	4.3.5	Solvent - Industrial Surface Coating & Solvent Use	24-01-200-000	Solvent Utilization - Surface Coating - Other Special Purpose Coatings - Total: All Solvent Types
Waste Disposal Open Burning	4.9.2.1	Waste Disposal Open Burning Brush and Leaves	26-10-000-100	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Leaf Species Unspecified
Waste Disposal Open Burning	4.9.2.1	Waste Disposal Open Burning Brush and Leaves	26-10-000-400	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Brush Species Unspecified
Waste Disposal Open Burning	4.9.2.2	Waste Disposal Open Burning Land Clearing Debris	26-10-000-500	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Land Clearing Debris (use 28-10-005-000 for Logging Debris Burning)
Waste Disposal Open Burning	4.9.2.3	Waste Disposal Open Burning Household Waste	26-10-030-000	Waste Disposal, Treatment, and Recovery - Open Burning - Residential - Household Waste (use 26-10-000-xxx for Yard Wastes)
Waste Recycling Composting	4.9.1	Waste Recycling Composting	26-80-003-000	Waste Disposal, Treatment, and Recovery - Composting - 100% Green Waste (e.g., residential or municipal yard wastes) - All Processes