

Draft 2008 & 2015 8-Hour Ozone NAAQS Periodic Emissions Inventory

Inventory Year 2020

State of Connecticut



Connecticut
Department of Energy &
Environmental Protection

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Section 1 Background and Emissions Summary

1.0 Introduction

The State of Connecticut submits this Periodic Emissions Inventory (PEI) to comply with the implementation of the 2008 and 2015 Ozone National Ambient Air Quality Standard (NAAQS) in accordance with 40 CFR 51.1115(b) and 40 CFR 51.1315, respectively.[1][2] It was developed in accordance with the EPA document *Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter NAAQS and Regional Haze Regulations*.[3] The PEI is available to serve as the basis of future year emissions projections for both the State of Connecticut and regionally.

The Connecticut Department of Energy & Environmental Protection (CT DEEP) will use this PEI, with appropriate adjustments to account for banked offsets, when developing inventories for future requirements of Reasonable Further Progress, as well as upcoming Attainment Demonstrations and/or Maintenance State Implementation Plans (SIPs).

The PEI is comprised of emissions from all sources located 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 United States Environmental Protection Agency (EPA) procedures have been followed in developing the emissions inventory for the State of Connecticut's SIP.

The 2020 PEI relies on historical, reported data that involves a labor intensive data collection and verification process that often take years to collect. It is important to note that this PEI is a retrospective snapshot, reflecting the policies in place up to 2020. It is not a forward looking prediction and does not reflect policies and regulatory changes that have occurred beyond 2020.

This PEI presents the 2020 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 D, E, F, & G
Area Sources	Section 4	Appendices D, 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

[1] 40 CFR § 51.1115(b). https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b)
[2] 40 CFR § 51.1115(b). https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-51/subpart-CC/section-51.1315
[3] 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

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.

The applicable points of contact for the 2020 PEI are listed below in Table 1-2.

Table 1-2: List of Contacts for the 2020 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	Rebecca McLean	(860) 424-3511	
MOVES Mobile Emissions Data and Activity Levels	Lou Corsino	(860) 424-3544	
Aircraft, Commercial Marine Vessel, and Locomotive Data and Activity Levels	Steven Potter	(860) 424-3385	
Area Emissions Data and Activity Levels	Steven Potter	(860) 424-3385	
VMT Generation and Other On-Road Vehicle Data	Taylor Reed	(860) 594-2027	Connecticut Department of Transportation 2800 Berlin Turnpike Newington, CT 06111
Quality Assurance (Section 6)	Daniella Lopez	(860) 424-3383	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. Figure 1-A on the following page shows a comprehensive map of Connecticut displaying all town and county boundaries.

Ozone

The 1979 1-hour and 1997 8-hour Ozone standards were revoked in 2005 and 2015, respectively. As of 2020, the 2008 8-hour and the 2015 8-hour Ozone standards remained in effect. The initial nonattainment designations for the 2008 8-hour standard were finalized in 2012, classifying both the Connecticut portion of the NY-NJ-CT Area and the Greater Connecticut Area as Moderate nonattainment. At the time of the 2020 inventory period, both areas of the 2008 8-hour Ozone standard had been redesignated to Serious nonattainment.[4] These areas are shown in Figure 1-B. The initial nonattainment designations for the 2015 8-hour standard were finalized in 2018, classifying the Connecticut portion of the NY-NJ-CT Area as Moderate nonattainment and the Greater Connecticut Area as Marginal nonattainment.[5] These areas are shown in Figure 1-C

Particulate Matter

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.[6] 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.[7] The areas associated with the 1997 and 2006 $PM_{2.5}$ NAAQSs are shown in Figure 1-D.

Carbon Monoxide

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.[8] The 1971 CO NAAQSs maintenance areas are defined in Table 1-3 and are presented in Figure 1-E.

[4] 84 FR 44238. https://www.govinfo.gov/content/pkg/FR-2019-08-23/pdf/2019-17796.pdf
[5] 83 FR 25776 https://www.govinfo.gov/content/pkg/FR-2018-06-04/pdf/2018-11838.pdf
[6] Note: $PM_{2.5}$ is defined as Particulate Matter (PM) with an aerodynamic diameter equal or less than 2.5 microns
[7] 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
[8] 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

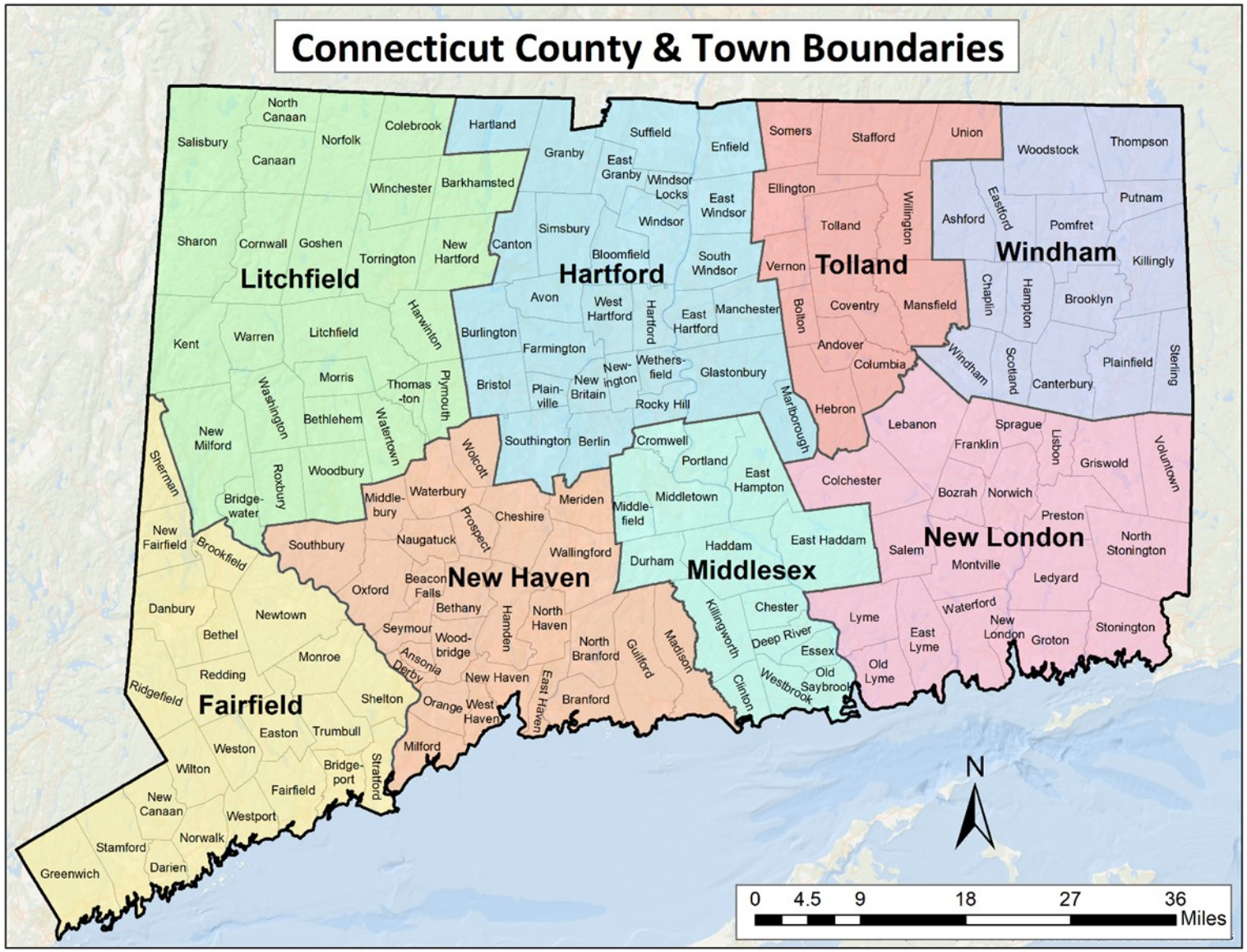


Figure 1-B: 2020 Connecticut Ozone Non-Attainment Status of the 2008 NAAQS

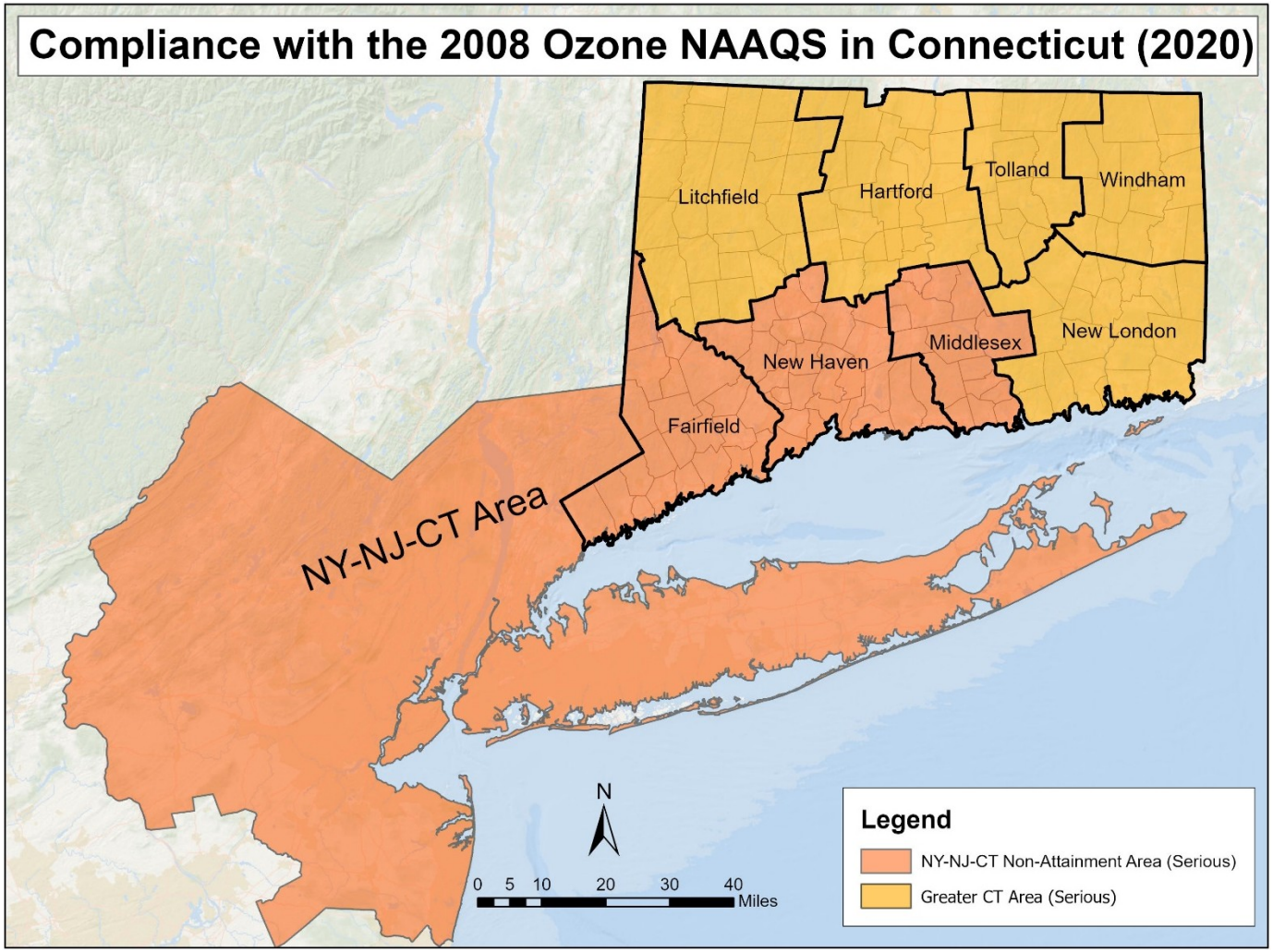


Figure 1-C: 2020 Connecticut Ozone Non-Attainment Status of the 2015 NAAQS

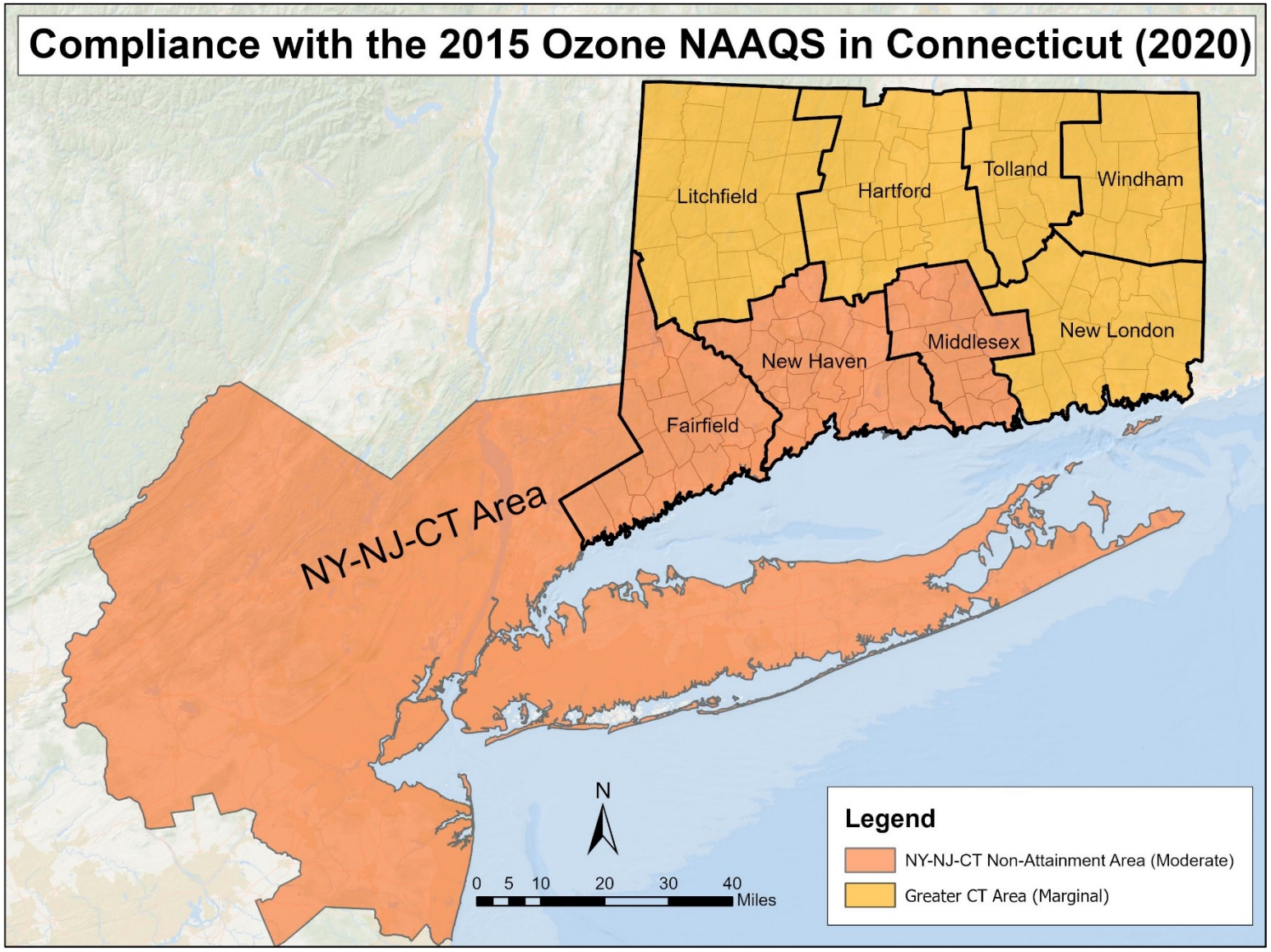


Figure 1-D: 2020 Connecticut $PM_{2.5}$ Status Areas

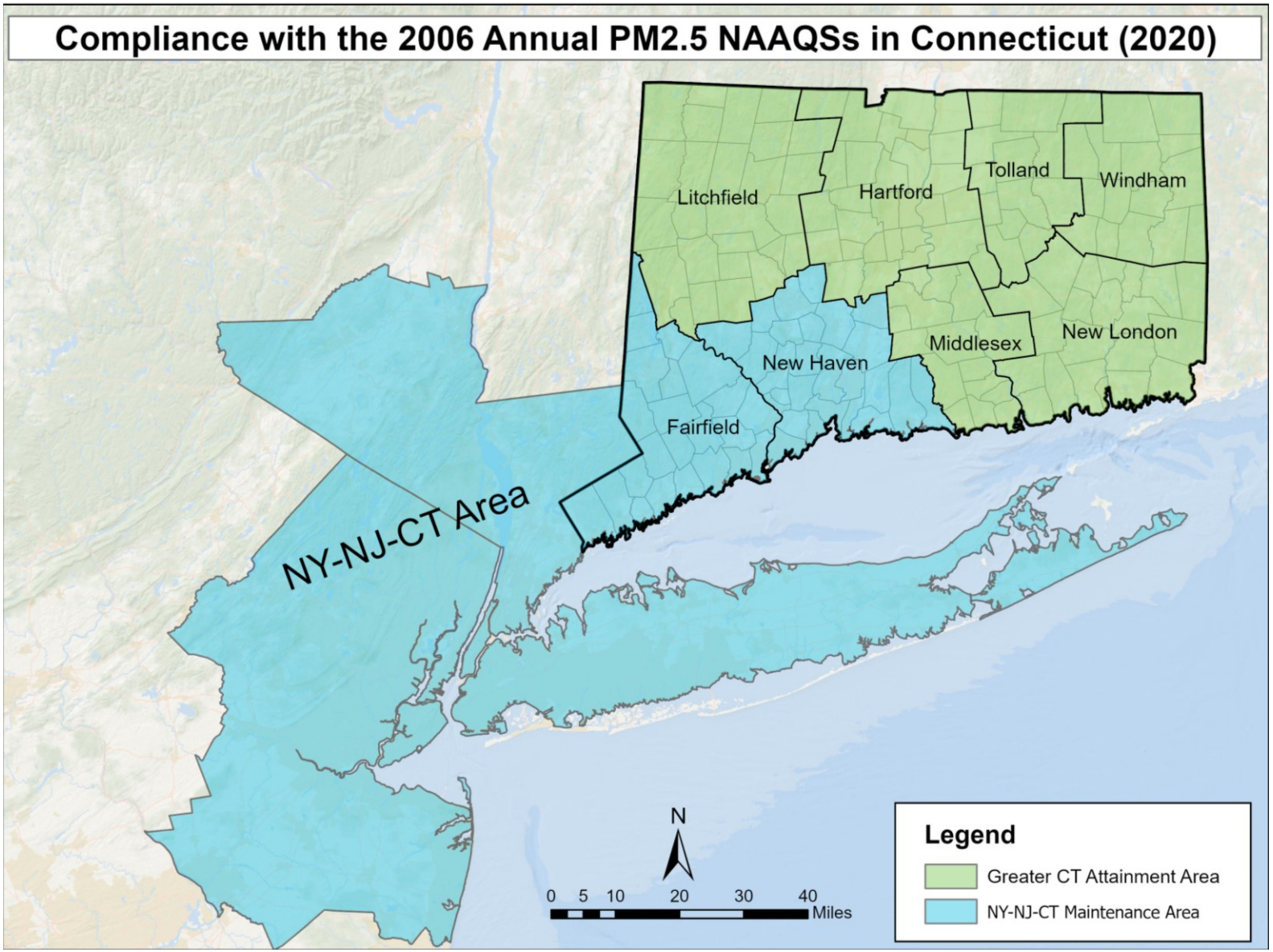
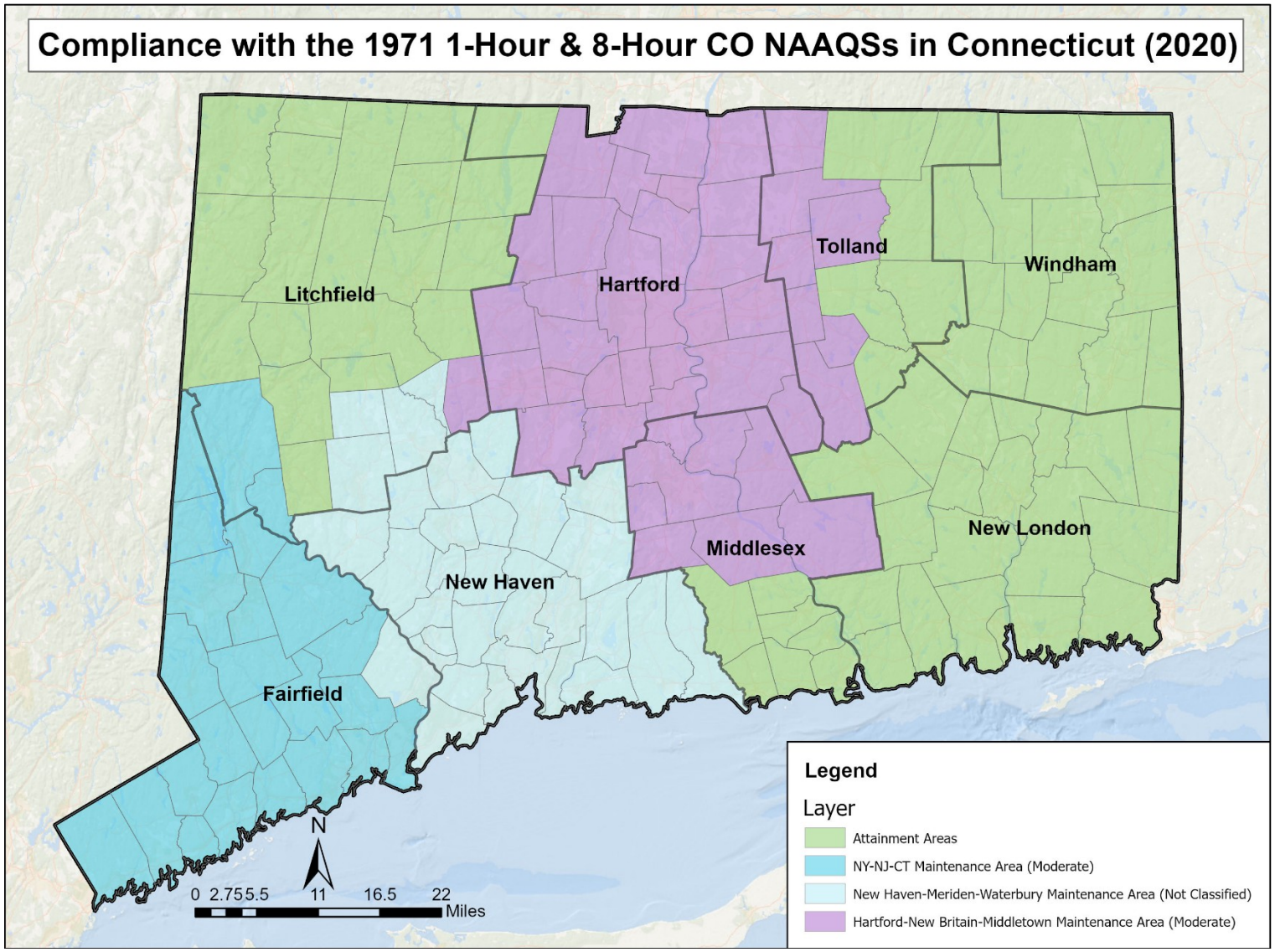


Table 1-3: 2020 Connecticut Carbon Monoxide Status Areas [9]

Description of CO Status Area	Designation	Classification
CT Portion of NY-NJ-CT Area Fairfield County (All cities and towns except Shelton) Litchfield County (Bridgewater and New Milford)	Attainment	Moderate > 12.7 PPM / Maintenance
Hartford-New Britain-Middletown Area 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)	Attainment	Moderate ≤ 12.7 PPM/ Maintenance
New Haven-Meriden-Waterbury Area Fairfield County (Shelton) Litchfield County (Bethlehem, Thomaston, Watertown, Woodbury) New Haven County	Attainment	Not Classified/ Maintenance
Eastern Attainment Area 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	Attainment	Maintenance
Northwest Attainment Area Hartford County (Hartland) Litchfield County (All cities and towns not in maintenance areas)	Attainment	Unclassifiable

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

Figure 1-E: 2020 Connecticut CO Status Areas



1.2 Emissions Summary

This PEI presents the emissions produced during the 2020 calendar year from stationary point sources, mobile sources, area sources, and biogenic 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.[10] 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).[11]

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: 2020 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	20,109	9,482	74,840	6,295	3,144	188	1168	0.4583
Hartford	21,380	8,896	62,825	6,655	3,045	250	1413	0.4875
Litchfield	14,818	1,708	19,795	4,085	1,441	36	807	0.2139
Middlesex	8,811	2,302	15,510	1,651	873.6477	103	387	0.0883
New Haven	18,264	7,972	56,659	5,105	2,605	138	1137	0.2762
New London	14,749	3,650	21,497	3,510	1,423	120	719	0.1792
Tolland	9,040	1,397	11,870	2,142	846.0351	25	507	0.1182
Windham	10,072	1,392	10,213	2,426	883.4706	40	568	0.1261
Connecticut	**117,243**	**36,797**	**273,209**	**31,869**	**14,261**	**899**	**6,706**	**1.9476**
All Counties	**Statewide Inflight (non-Landing-Takeoff cycle) Lead Emissions**							1.9727
Connecticut (plus lead above boundary layer)	Note: EPA estimated 3,945.4 lb/yr (1.9727 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 7,840.8 lb/yr (3.9204 Tons per Year) for 2020 lead emissions.							**3.9204**

[10] 40 CFR § 51.1115(b). https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b)
[11] 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: 2020 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	118	1,213	246	97	94	96	41	0.0804
On-Road Mobile Sources	2,054	3,211	26316	348	121	18	398	0.0000
Non-Road Mobile Sources	2,456	2,257	39068	249	233	4	5	0.3071
Area Sources	8,207	2,736	8670	5601	2696	70	725	0.0708
Biogenic Sources	7,274	65	540	-	-	-	-	-
Fairfield Total	**20,109**	**9,482**	**74,840**	**6,295**	**3,144**	**188**	**1,168**	**0.4583**
Hartford								
Stationary Point Sources	177	976	397	53	50	136	275	0.0567
On-Road Mobile Sources	2038	3325	26911	338	121	18	417	0.0000
Non-Road Mobile Sources	1523	1489	25483	161	151	18	3	0.3607
Area Sources	8731	2949	9296	6102	2723	78	719	0.0701
Biogenic Sources	8,910	156	737	-	-	-	-	-
Hartford Total	**21,380**	**8,896**	**62,825**	**6,655**	**3,045**	**250**	**1,413**	**0.4875**
Litchfield								
Stationary Point Sources	11	28	17	15	14	1	4	0.0830
On-Road Mobile Sources	488	629	5727	84	27	3	76	0.0000
Non-Road Mobile Sources	725	414	7912	48	45	1	1	0.1093
Area Sources	2245	539	5122	3937	1355	31	726	0.0216
Biogenic Sources	11,348	97	1,017	-	-	-	-	-
Litchfield Total	**14,818**	**1,708**	**19,795**	**4,085**	**1,441**	**36**	**807**	**0.2139**
Middlesex								
Stationary Point Sources	37	574	253	31	31	77	20	0.0028
On-Road Mobile Sources	429	735	5788	73	26	4	92	0.0000

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Non-Road Mobile Sources	457	430	5749	37	35	1	1	0.0661
Area Sources	1617	513	3293	1510	782	22	273	0.0193
Biogenic Sources	6,271	50	428	-	-	-	-	-
Middlesex Total	**8,811**	**2,302**	**15,510**	**1,651**	**874**	**103**	**387**	**0.0882**
New Haven								
Stationary Point Sources	329	342	180	99	98	52	98	0.0078
On-Road Mobile Sources	1905	3272	25586	328	118	18	410	0.0000
Non-Road Mobile Sources	1435	1873	22719	154	145	9	4	0.2033
Area Sources	7156	2399	7620	4524	2244	60	626	0.0651
Biogenic Sources	7,438	86	554	-	-	-	-	-
New Haven Total	**18,264**	**7,972**	**56,659**	**5,105**	**2,605**	**139**	**1,137**	**0.2762**
New London								
Stationary Point Sources	69	677	170	34	32	77	16	0.0122
On-Road Mobile Sources	645	1118	8615	108	39	6	135	0.0000
Non-Road Mobile Sources	692	972	7156	61	57	4	1	0.1366
Area Sources	4245	807	4947	3308	1294	33	567	0.0304
Biogenic Sources	9,098	76	608	-	-	-	-	-
New London Total	**14,749**	**3,650**	**21,497**	**3,510**	**1,423**	**120**	**719**	**0.1792**
Tolland								
Stationary Point Sources	6	32	34	18	18	2	8	0.0004
On-Road Mobile Sources	379	729	5163	75	27	4	82	0.0000
Non-Road Mobile Sources	219	208	3008	23	21	0	1	0.1030
Area Sources	1624	366	3163	2026	781	18	416	0.0148
Biogenic Sources	6,812	62	502	-	-	-	-	-
Tolland Total	**9,040**	**1,397**	**11,870**	**2,142**	**846**	**25**	**507**	**0.1182**

Source Type	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Windham								
Stationary Point Sources	87	301	160	106	105	21	83	0.0175
On-Road Mobile Sources	292	452	3481	51	17	2	50	0.0000
Non-Road Mobile Sources	299	270	3302	28	26	1	1	0.0955
Area Sources	1397	306	2709	2242	734	16	434	0.0130
Biogenic Sources	7,998	63	560	-	-	-	-	-
Windham Total	**10,072**	**1,392**	**10,213**	**2,426**	**883**	**40**	**568**	**0.1260**
Statewide Total	**117,243**	**36,797**	**273,209**	**31,869**	**14,261**	**902**	**6,706**	**1.9475**
Inflight aircraft emissions above the boundary layer	**Statewide Inflight (non-Landing-Takeoff cycle) Lead Emissions**							**1.9727**
Statewide Total including Inflight aircraft emissions above the boundary layer	Note: EPA estimated 3,945 lb/yr (1.9727 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 7,840 lb/yr (3.9204 Tons per Year) for 2020 lead emissions.							**3.9204**

Table 1-6: 2020 Summer Day Emissions of All Sources in Connecticut

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	194,570	49,305	506,221
Hartford	218,987	47,335	403,137
Litchfield	199,671	8,565	111,548
Middlesex	114,588	16,866	94,953
New Haven	184,572	41,004	363,245
New London	181,642	30,438	123,261
Tolland	121,095	7,113	67,148
Windham	141,247	6,618	57,645
Connecticut	**1,356,373**	**207,245**	**1,727,158**

Table 1-7: 2020 Summer Day Emissions of All Sources in Connecticut by County

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield			
Stationary Point Sources	863	9,790	1,248
On-Road Mobile Sources	13,007	17,498	174,847
Non-Road Mobile Sources	17,107	15,073	309,621
Area Sources	45,835	6,391	12,842
Biogenic Sources	117,758	554	7,663
Fairfield Total	**194,570**	**49,305**	**506,221**
Hartford			
Stationary Point Sources	1,347	10,718	5,494
On-Road Mobile Sources	13,100	18,258	180,961
Non-Road Mobile Sources	10,457	9,904	193,859
Area Sources	49,369	7,071	12,567
Biogenic Sources	144,714	1,384	10,256
Hartford Total	**218,987**	**47,335**	**403,137**
Litchfield			
Stationary Point Sources	61	404	86
On-Road Mobile Sources	3,107	3,461	36,582
Non-Road Mobile Sources	4,485	2,741	57,726
Area Sources	9,826	1,098	3,215
Biogenic Sources	182,192	861	13,939
Litchfield Total	**199,671**	**8,565**	**111,548**

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Middlesex			
Stationary Point Sources	455	8,610	5,077
On-Road Mobile Sources	2,726	4,013	39,630
Non-Road Mobile Sources	3,128	2,693	41,635
Area Sources	7,424	1,123	2,712
Biogenic Sources	100,855	427	5,898
Middlesex Total	**114,588**	**16,866**	**94,953**
New Haven			
Stationary Point Sources	2,170	5,052	3,197
On-Road Mobile Sources	12,025	17,704	173,470
Non-Road Mobile Sources	9,823	12,079	167,700
Area Sources	39,751	5,431	11,118
Biogenic Sources	120,803	738	7,760
New Haven Total	**184,572**	**41,004**	**363,245**
New London			
Stationary Point Sources	905	15,920	3,094
On-Road Mobile Sources	4,222	6,174	59,370
Non-Road Mobile Sources	4,834	5,916	48,217
Area Sources	24,876	1,790	4,183
Biogenic Sources	146,807	638	8,397
New London Total	**181,642**	**30,438**	**123,261**
Tolland			
Stationary Point Sources	60	449	328
On-Road Mobile Sources	2,439	4,000	35,651
Non-Road Mobile Sources	1,542	1,437	22,200
Area Sources	7,600	698	2,071
Biogenic Sources	109,453	529	6,898
Tolland Total	**121,095**	**7,113**	**67,148**
Windham			
Stationary Point Sources	704	1,069	819
On-Road Mobile Sources	1,885	2,498	22,952
Non-Road Mobile Sources	2,136	1,897	24,409
Area Sources	6,714	619	1,745
Biogenic Sources	129,809	536	7,720
Windham Total	**141,247**	**6,618**	**57,645**
Statewide Total	**1,356,373**	**207,245**	**1,727,158**

Table 1-8: 2020 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	484	2128	679
On-Road Mobile Sources	4388	7219	57690
Non-Road Mobile Sources	4347	4559	67537
Area Sources	16980	5648	19582
Biogenic Sources	20984	202	1522
Total of All Source Types	**47,184**	**19,756**	**147,009**

Table 1-9: 2020 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	349	2013	778
On-Road Mobile Sources	3842	6252	49897
Non-Road Mobile Sources	3459	3354	46862
Area Sources	18243	4968	25238
Biogenic Sources	44166	454	3425
Total of All Source Types	**70,059**	**17,042**	**126,200**

Table 1-10: 2020 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 [lb/day]		
	VOC	NO_X	CO
Stationary Point Sources	3,489	23,452	9,522
On-Road Mobile Sources	27,758	39,214	387,947
Non-Road Mobile Sources	30,058	29,846	518,956
Area Sources	93,010	12,945	26,672
Biogenic Sources	339,416	1,719	21,321
Total of All SourceTypes	**493,731**	**107,175**	**964,419**

Table 1-11: 2020 Summer Day Emissions of Ozone Precursor Compounds in the Greater Connecticut Ozone Non-Attainment Area

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Stationary Point Sources	3,077	28,561	9,821
On-Road Mobile Sources	24,753	34,390	335,516
Non-Road Mobile Sources	23,453	21,895	346,411
Area Sources	98,385	11,276	23,782
Biogenic Sources	712,975	3,948	47,209
Total of All Source Types	**862,643**	**100,069**	**762,739**

Table 1-12: 2020 Annual Emissions of All Sources in the Connecticut Portion of the NY-NJ-CT $PM_{2.5}$ Maintenance 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	448	1554	426	196	193	149	139	0.0881
On-Road Mobile Sources	3959	6484	51901	676	239	36	808	0
Non-Road Mobile Sources	3891	4129	61788	403	378	13	9	0.5104
Area Sources	15363	5135	16289	10125	4939	130	1351	0.1359
Biogenic Sources	14,713	151	1,094	0	0	0	0	0
Total All Source Types *	**38,373**	**17,454**	**131,499**	**11,399**	**5,749**	**327**	**2,305**	**1**

* (NOTE: Inflight aircraft lead emissions above the boundary layer are not included in this table.)

Table 1-13: 2020 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	385.8281	2,587	1,031	256.2535	249.87416	313.657	406.3226	0.172691
On-Road Mobile Sources	4,272	6,988	55,685	729.2106	257.40515	37.70422	852.0386	0
Non-Road Mobile Sources	3,916	3,784	52,611	358.3097	335.55564	24.4996	7.785941	0.871222
Area Sources	19,860	5,481	28,531	19,125	7,669	198.5318	3,135	0.169261
Biogenic Sources	50,437	504.6893	3,852	0	0	0	0	0
Total All Source Types *	**78,870**	**19,344**	**141,710**	**20,469**	**8,511**	**574**	**4,401**	**1**

* (NOTE: Inflight aircraft lead emissions above the boundary layer are not included in this table.)

Section 1 References

1. 40 CFR § 51.1115(b). https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b)

2. 40 CFR § 51.1115(b). https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-51/subpart-CC/section-51.1315

3. 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

4. Determinations of Attainment by the Attainment Date, Extensions of the Attainment Date, and Reclassification of Several Areas Classified as Moderate for the 2008 Ozone National Ambient Air Quality Standards. 84 Federal Register 44238, 44251 (August 23, 2019). https://www.govinfo.gov/content/pkg/FR-2019-08-23/pdf/2019-17796.pdf

5. Additional Air Quality Designations for the 2015 Ozone National Ambient Air Quality Standards. 83 Federal Register 25776, 25794. www.govinfo.gov/content/pkg/FR-2018-06-04/pdf/2018-11838.pdf

6. Note: $PM_{2.5}$ is defined as Particulate Matter (PM) with an aerodynamic diameter equal or less than 2.5 microns

7. 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

8. U.S. Environmental Protection Agency. *Greenbook: Carbon Monoxide (1971) Designated Area State/Area/County Report*. 1971. https://www3.epa.gov/airquality/greenbook/cbcs.html#CT

9. U.S. Environmental Protection Agency. *Greenbook: Carbon Monoxide (1971) Designated Area State/Area/County Report*. 1971. https://www3.epa.gov/airquality/greenbook/cbcs.html#CT

10. 40 CFR § 51.1115(b). https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.1115(b)

11. Title 40 CFR § 51.100(s). 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 stationary air pollution sources active in Connecticut during the 2020 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 State's stationary commercial and industrial operations, or plants. The stationary sources inventoried in this PEI are both major sources that held a Title V permit at any point during the 2020 inventory year, as well as applicable electrical generating units (peaking units); which are considered influential sources for Summer Day emissions, but are not Title V sources.

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: 2020 Annual Emissions of Stationary Point Sources in Connecticut

County	2020 Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield	118.30	1,212.69	245.87	96.93	94.36	96.43	40.62	0.0804
Hartford	177.11	976.02	397.01	52.54	50.08	135.66	274.99	0.0567
Litchfield	10.57	27.58	16.80	15.43	13.77	0.78	4.38	0.0830
Middlesex	36.82	573.82	253.05	30.69	30.69	76.86	20.23	0.0028
New Haven	329.29	341.57	180.12	98.59	98.48	52.32	98.14	0.0078
New London	68.92	676.76	170.48	34.20	32.23	76.92	15.60	0.0122
Tolland	5.63	31.87	33.95	17.76	17.74	2.48	7.79	0.0004
Windham	86.77	300.65	160.07	105.63	105.37	20.96	83.33	0.0175
Connecticut	**833.41**	**4,140.97**	**1,457.35**	**451.77**	**442.71**	**462.41**	**545.08**	**0.2608**

Table 2-2: 2020 Summer Day Emissions of Stationary Point Sources in Connecticut

County	2020 Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	863.45	9,790.04	1,248.03
Hartford	1,347.33	10,718.48	5,493.69
Litchfield	60.74	404.14	86.21
Middlesex	455.28	8,610.32	5,077.22
New Haven	2,170.01	5,051.99	3,197.03
New London	904.65	15,920.40	3,094.44
Tolland	60.49	449.02	327.90
Windham	704.08	1,068.73	818.54
Connecticut	**6,566.04**	**52,013.12**	**19,343.06**

2.1 Identification of 2020 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.[12] 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 2020 periodic stationary source inventory is primarily based on the emissions statement submittals, which reported the source's actual 2020 emissions signed by a corporate officer who attested to the accuracy of their calculations. Facility data for the seventy-six (76) Connecticut sites listed in Table 2-3 below were submitted for the 2020 National Emissions Inventory. Appendix A.0 Point Source List Development History further describes the 2020 periodic stationary source inventory. This state collected point inventory was supplemented by EPA 2020 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: 2020 List of Stationary Point Sources

EIS Facility Identifier	Site Name	Town Name	Town ID	Premise ID	Client ID	Title V Permit No.
Fairfield County						
754211	Sprague Operating Resources, LLC	BRIDGEPORT	15	17	8751	015-0215-TV
754311	PSEG PWR CT LLC/BPT HARBOR STA	BRIDGEPORT	15	45	8087	015-0217-TV
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	15	765	8786	015-0219-TV
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	15	862	6859	015-0256-TV
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	28	49	8044	028-0029-TV
17997311	Tilcon Connecticut Inc. – Danbury	DANBURY	44	39	6578	044-0202-TV
2722211	KINGSWOOD KITCHENS INC	DANBURY	44	226	3050	044-0121-TV
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	67	17	7741	067-0072-TV
552411	NORWALK HOSPITAL ASSOCIATION	NORWALK	137	3	1727	137-0094-TV
14623611	WATERSIDE POWER LLC	STAMFORD	172	26	8048	172-0236-TV
588811	Spartech, LLC	STAMFORD	172	91	8762	172-0133-TV
642511	SIKORSKY AIRCRAFT CORPORATION	STRATFORD	178	5	8785	178-0086-TV
533411	Total Petrochemical and Refining	STRATFORD	178	167	8768	178-0088-TV
589611	HAMPFORD RESEARCH INC	STRATFORD	178	223	5988	178-0132-TV
Hartford County						
769211	FIRESTONE BUILDING PRODUCTS CO	BRISTOL	26	19	6579	026-0114-TV
588711	COVANTA BRISTOL, INC	BRISTOL	26	202	6590	026-0055-TV
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	53	9	130	053-0071-TV
715611	MIRA / MID-CONNECTICUT	HARTFORD	75	158	8792	075-0252-TV
552311	M D C /HARTFORD WPCF	HARTFORD	75	505	1046	075-0246-TV

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

EIS Facility Identifier	Site Name	Town Name	Town ID	Premise ID	Client ID	Title V Permit No.
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	75	766	8310	075-0244-TV
14622811	Manchester Landfill Premises	MANCHESTER	97	225	197	097-0127-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
589711	ALGONQUIN POWER WINDSOR LOCKS	WINDSOR LOCKS	213	1	8095	213-0069-TV
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	213	2	130	213-0081-TV
Litchfield County						
845911	KIMBERLY-CLARK CORP	NEW MILFORD	130	6	1672	130-0050-TV
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	183	24	7741	
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	183	43	7741	
Middlesex County						
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	43	5	8820	043-0020-TV
17876611	MATTABASSETT DISTRICT	CROMWELL	43	12	562	043-0032-TV
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	104	7	130	104-0103-TV
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	104	24	7741	104-0106-TV
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	104	246	8070	104-0150-TV
New Haven County						
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	14	4	7741	
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	54	5	1457	054-0015-TV
590011	DEVON POWER, LLC	MILFORD	105	14	7741	105-0063-TV
2708911	MILFORD POWER CO, LLC	MILFORD	105	251	7780	105-0071-TV
898011	NAUGATUCK POTW	NAUGATUCK	109	11	1307	109-0059-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
555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	NEW HAVEN	117	53	8822	117-0261-TV
918711	GULF OIL L.P.	NEW HAVEN	117	88	6566	117-0257-TV
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	117	120	1457	117-0263-TV
844411	BUCKEYE PT TERMINALS, L.P. (Forbes Ave)	NEW HAVEN	117	212	7884	117-0270-TV
843211	BUCKEYE PT TERMINALS, L.P.	NEW HAVEN	117	519	7884	117-0262-TV
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	117	551	8087	117-0265-TV
2709611	GREATER NEW HAVEN WPCA	NEW HAVEN	117	960	8281	117-0379-TV
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	135	117	5244	135-0135-TV
14623311	ALGONQUIN GAS TRANSMISSION LLC	OXFORD	144	18	8820	144-0032-TV
18867011	TOWANTIC ENERGY LLC	OXFORD	144	14	8677	144-0033-TV
15588611	ROEHM AMERICA LLC	WALLINGFORD	189	27	8277	189-0237-TV
658111	Allnex USA, Inc	WALLINGFORD	189	27	8763	189-0136-TV
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	189	76	6012	189-0206-TV
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	189	114	8224	189-0236-TV

EIS Facility Identifier	Site Name	Town Name	Town ID	Premise ID	Client ID	Title V Permit No.
14624011	Wallingford Energy LLC	WALLINGFORD	189	114	8691	189-0221-TV
15588211	WATERBURY GENERATION, LLC	WATERBURY	192	5	8468	192-0304-TV
555711	SOMERS THIN STRIP	WATERBURY	192	53	8474	192-0200-TV
17876411	Waterbury Water Pollution Control Facility	WATERBURY	192	65	253	192-0287-TV
17876511	OMI WEST HAVEN /WPCF (S.S.I.)	WEST HAVEN	203	146	2442	203-0091-TV
New London County						
15588311	The Gilman Brothers Company	BOZRAH	13	1	362	013-0010-TV
921211	PFIZER INC	GROTON	70	4	89	070-0192-TV
922211	ELECTRIC BOAT CORP	GROTON	70	5	46	070-0193-TV
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	70	28	800	070-0194-TV
15588411	AMERICAS STYRENICS, LLC	LEDYARD	92	2	8497	092-0027-TV
8501611	WHEELABRATOR LISBON INC	LISBON	93	14	8786	093-0020-TV
552611	MONTVILLE POWER, LLC	MONTVILLE	107	5	7741	107-0043-TV
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	139	105	6101	
16708111	Tunnel Station	PRESTON	150	1	8542	
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	150	12	6032	150-0008-TV
590111	Millstone Power Station	WATERFORD	199	3	8003	199-0038-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, LLC	KILLINGLY	89	80	7442	089-0083-TV
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	145	74	8464	145-0050-TV
844811	Sonoco Protective Solutions, 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 1

Where:

E_s = seasonally adjusted emissions in pounds per day
E_a = annual uncontrolled emissions of VOC, NO_X, 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 as a fraction (i.e., Percent / 100)
Cap = capture efficiency as a fraction (i.e., Percent / 100)
$Rule$ = rule effectiveness as a fraction (i.e., Percent / 100)

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

2.3 Emissions Summary Tables

For the 2020 PEI, Connecticut is submitting all facilities that reported their actual 2020 emissions. The following tables were prepared to display the emissions data:

Table C-1	Annual Emissions of Point Sources
Table C-2	2020 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions
Table C-3	2020 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 2020 Connecticut Point Source Inventory

Table C-2 represents the supplemented point inventory based on the EPA 2020 Toxic Release Inventory data in the 2020 National Emissions Inventory that was primarily used to obtain a more accurate point lead emission estimate.

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.0 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 2020 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. No records tagged by EPA review required corrections or re-submittals 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 inspections, 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

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

Section 3 Mobile Sources

Introduction

This section documents the procedures used to estimate emissions from mobile sources active in Connecticut during the 2020 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".[13] 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".[14] 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 summer weekday can be found on Table 3-3 and Table 3-4, MOVES inputs for Modeling can be found in Appendix E.

[13] 40 CFR § 51.50. 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.50
[14] 40 CFR § 51.50. 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.50

Table 3-1: Annual 2020 On-Road [15] 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	2,054	3,211	26,316	348	121	18	398	0
Hartford	2,038	3,325	26,911	338	121	18	417	0
Litchfield	488	629	5,727	84	27	3	76	0
Middlesex	429	735	5,788	73	26	4	92	0
New Haven	1,905	3,272	25,586	328	118	18	410	0
New London	645	1,118	8,615	108	39	6	135	0
Tolland	379	729	5,163	75	27	4	82	0
Windham	292	452	3,481	51	17	2	50	0
Connecticut	**8,231**	**13,471**	**107,586**	**1,405**	**496**	**73**	**1,659**	**0.00**

Table 3-2: 2020 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	2,455.7	2,256.7	39,068.4	249.1	233.3	4.5	5.0	0.3071
Hartford	1,523.4	1,489.3	25,483.2	161.4	151.2	18.5	3.3	0.3607
Litchfield	725.5	414.3	7,912.1	48.4	45.0	0.6	1.0	0.1093
Middlesex	456.6	429.5	5,748.8	37.1	34.8	0.5	0.9	0.0661
New Haven	1,435.0	1,872.5	22,719.4	153.6	144.7	8.6	3.5	0.2033
New London	692.2	972.0	7,156.4	60.6	57.1	3.9	1.5	0.1366
Tolland	219.2	208.3	3,008.2	22.7	21.1	0.3	0.5	0.1030
Windham	298.7	270.2	3,302.3	28.2	26.4	0.8	0.6	0.0955
Connecticut	**7,806.2**	**7,912.8**	**114,398.8**	**761.1**	**713.6**	**37.5**	**16.3**	**1.3816**

Note: EPA estimated 3,945 lb/yr (1.97 Tons per Year) of statewide inflight lead emissions (SCC 22-75-087-000), which when added to the above statewide total of nonroad lead emitted below the boundary layer, results in an estimated statewide total of 6,709 lb/yr (3.3544 Tons per Year) for 2020 mobile source lead emissions.

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

Table 3-3: 2020 Summer Day On-Road Emissions Summary by County

County	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	13,007	17,498	174,847
Hartford	13,100	18,258	180,961
Litchfield	3,107	3,461	36,582
Middlesex	2,726	4,013	39,630
New Haven	12,025	17,704	173,470
New London	4,222	6,174	59,370
Tolland	2,439	4,000	35,651
Windham	1,885	2,498	22,952
Connecticut	52,511	73,604	723,463

Table 3-4: 2020 Summer Day Non-Road Emissions by County

County	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	17,107	15,073	309,621
Hartford	10,457	9,904	193,859
Litchfield	4,485	2,741	57,726
Middlesex	3,128.3	2,693.2	41,635.3
New Haven	9,823	12,079	167,700
New London	4,834	5,916	48,217
Tolland	1,542	1,437	22,200
Windham	2,136	1,897	24,409
Connecticut	**53,512**	**51,740**	**865,367**

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).[16]

The inputs for MOVES are to be developed in accordance with the latest MOVES guidance. The available guidance, *MOVES4 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.[17] 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.

3.0.3 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:[18]

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.

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.

3.0.4 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

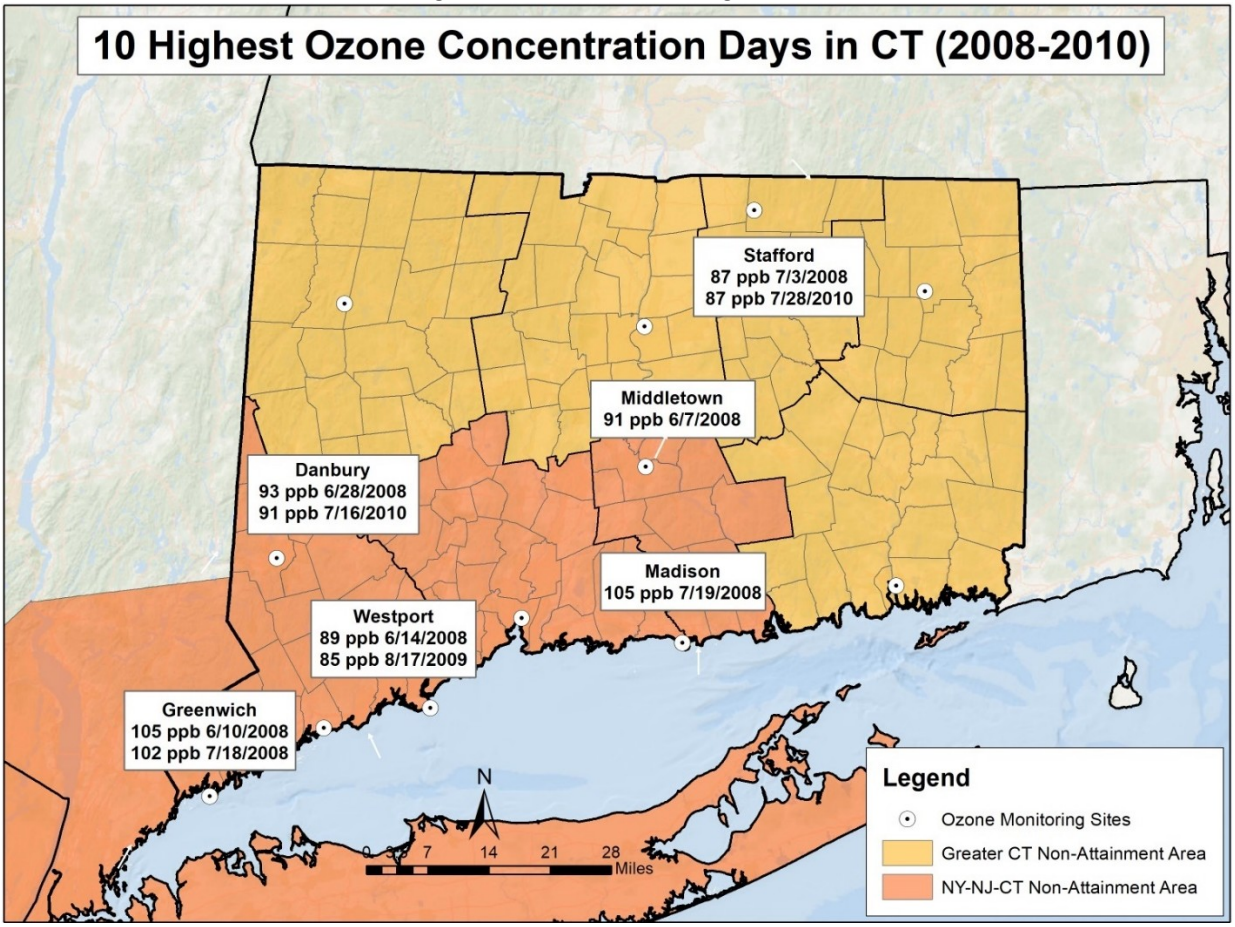
[16] U.S. Environmental Protection Agency. 2017. "Emissions Inventory Guidance for Implementation of Ozone and Particulate Matter National Ambient Air Quality Standards (NAAQS) and Regional Haze Regulations". Pg 27.
[17] U.S. Environmental Protection Agency. 2023. "MOVES4 Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity".
https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P101862T.pdf
[18] National Weather Service. Clearing the Air on Weather and Air Quality. https://www.weather.gov/wrn/summer-article-clearing-the-air.

analyses.[19] The temperature and humidity used as an input for this 2020 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.

3.0.4.1 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



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.

[19] 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.

Table 3-5: High and Low Temperatures for the Ten Highest Ozone Concentration Days [20]

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.

[20] NOAA data retrieved on May 4, 2016.

Table 3-6: Hour by Hour Humidity Values for Ten Highest Ozone Days at Bradley Airport[21]

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**

[21] NOAA data retrievedon May 4, 2016.

3.1 On-Road Mobile Sources

To estimate on-road emissions in 2020, CT DEEP ran MOVES4 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 MOVES4 for this inventory.

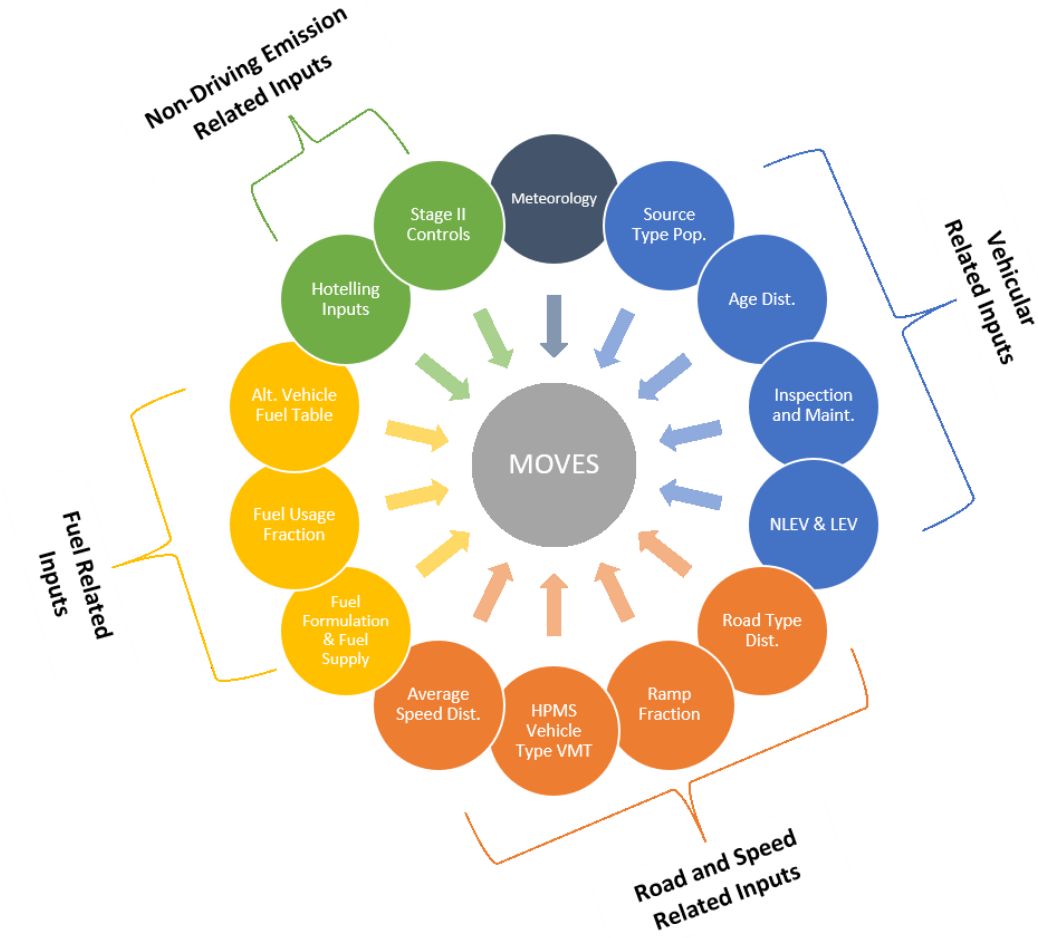
Table 3-8: Source Type and HPMS Vehicle Identification Numbers

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	Other Buses	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 MOVES4, 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* is used by MOVES to calculate start and evaporative emissions. Start and evaporative emissions depend more on how many vehicles are parked and started than on how many miles they are driven. In MOVES, start and resting evaporative emissions are related to the population of vehicles in an area.

Local data from an analysis of July 1, 2020 Connecticut registration data provided by CT DMV and decoded by CT DEEP was used for: 11 Motorcycle, 43 School Bus and 54 Motor Homes source types.

Data for all other source types was obtained from EPA's 2020 decode of county-level vehicle registration data that was completed for the 2020 NEI. These source types include: 21 Passenger Car, 31 Passenger Truck, 32 Light Commercial Truck, 41 Other Buses, 42 Transit Bus, 51 Refuse Truck, 52 Single Unit Short-haul Truck, 53 Single Unit Long-haul Truck, 61 Combination Short-haul Truck and 62-Combination Long-haul Truck source types.

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 1987 or earlier).

Local data from an analysis of July 1, 2020 Connecticut registration data provided by CT DMV and decoded by CT DEEP was used for: 11 Motorcycle, 43 School Bus and 54 Motor Homes source types.

Data for all other source types was obtained from EPA's 2020 decode of county-level vehicle registration data that was completed for the 2020 NEI. These source types include: 21 Passenger Car, 31 Passenger Truck, 32 Light Commercial Truck, 41 Other Buses, 42 Transit Bus, 51 Refuse Truck, 52 Single Unit Short-haul Truck, 53 Single Unit Long-haul Truck, 61 Combination Short-haul Truck and 62-Combination Long-haul Truck source types.

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) equal to or less than 10,000 pounds that 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 1996 or earlier for a 2020 analysis) are exempt. These exemptions are applied using appropriate I/M MOVES inputs. The MOVES I/M Coverage input table was adjusted to reflect the grace period exemption age plus one year to account for the misalignment between model and calendar years (model year 2017 is the latest model year provided an I/M input and model year 1996 is the earliest model year provided an I/M input for a 2020 analysis).

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."[22] For this inventory

[22] U.S. Environmental Protection Agency. *MOVES4 Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity*. Pg 66-67

analysis, I/M compliance and waiver rates were set to the actual compliance and waiver rates observed in 2020: 98.7% and 0.08%, respectively.[23] MOVES3 introduced the use of Failure Rate (FR) in the compliance factor calculation and is defined as "the fraction of all tested vehicles that fail an initial I/M test regardless of the vehicle's final outcome." In 2020 the actual failure rate was 8.3%. These three 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: [24]

$$CF = CR * (1 - WR * FR) * RCCA$$

Equation 2: Compliance Factor Equation[25]

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 receives either areceivesicate of compliance or a waiver.
WR	=	the fraction (percentage / 100) of vehicles that fail an initial I/M test and do not pass a retest but do receive a certificate of compliance.
FR	=	the fraction of all tested vehicles that fail an initial I/M test regardless of the vehicle's final outcome.
RCCA	=	the fraction (percentage / 100) of VMT by the various regulatory weight classes within a source type (Table 3-9 shows these values).

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

Passenger Cars (sourceTypeID - 21), Passenger Trucks (sourceTypeID - 31), Light Commercial Trucks (sourceTypeID - 32)

For this 2020 analysis, only vehicles newer than 1996 are subject to the I/M program in CT. All vehicles newer than 1996 have OBD equipment so OBD testing (Test Standard IDs: 51, 43) is used. The OBD testing methods apply to all vehicles in CT that weigh less than 10,000 pounds. MOVES4 introduced new regulatory class coverage adjustments for source types 21, 31 and 32. These new regulatory class coverage factors in MOVES4 now only include vehicles up to 10,000 lbs where in past MOVES models some of the truck source types also included vehicles above 10,000 lbs which required an adjustment to the factor. As such the following compliance factors were calculated for the 2020 PEI:

[23] de la Torre Klausmeier Consulting. June 2021. *Evaluation of Connecticut's Inspection/Maintenance Program 2020 Annual Report*. https://portal.ct.gov/-/media/deep/air/mobile/emissions-testing/annual-im-report-2020.pdf
[24] U.S. Environmental Protection Agency. *MOVES4 Technical Guidance*. Pg 87. https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P101862T.pdf#page=87
[25] U.S. Environmental Protection Agency. *MOVES4 Technical Guidance*. Pg 66-67.

Table 3-9: Summary of Regulatory Class Coverage Adjustments and Compliance Factors

Source Type	Actual Compliance Rate (CR)	Actual Waiver Rate (WR)	Actual Failure Rate (FR)	Regulatory Class Coverage Adjustment (RCCA)	Compliance Factor (CF)
21	98.7	0.0008	0.083	1	**98.69**
31	98.7	0.0008	0.083	1	**98.69**
32	98.7	0.0008	0.083	1	**98.69**

Passenger Cars (sourceTypeID - 21)

Compliance Factor Calculation:

CF= (98.7)*(1-0.0008)= 98.69

Passenger Trucks (sourceTypeID - 31)

For 1996 & newer: Regulatory Class Adjustment is 100% since all vehicles in this source type up to 10,000 lbs get an OBD test (51, 43).

Compliance Factor Calculation:

CF= (98.7)*(1-0.0008)= 98.69

Light Commercial Trucks (sourceTypeID - 32)

For 1996 & newer: Regulatory Class Adjustment is 100% since all vehicles in this source type up to 10,000 lbs get an OBD test (51, 43).

Compliance Factor Calculation:

CF= (98.7)*(1-0.0008)= 98.69

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 for states in the OTC to estimate the emission reduction effects of the program for model years 1999 and 2000. Because Connecticut adopted the NLEV program for the 1999 model year, this database was processed in accordance with the MOVES4 “Build NLEV Input Database” Tool instructions provided in MOVES4 application and used in MOVES runs to adjust the default MOVES values to represent the effects of the NLEV standards.

The EPA provides the "Build LEV Input Database" Tool in MOVES4 to create a California LEV database for the states that have adopted the California LEV program regulations. 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 used the MOVES4 "Build LEV Input Database" Tool to create the California LEV database to reflect the 2008 implementation to create a Connecticut specific input.[26]

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 (parking lots, truck stops, rest areas, freight or bus terminals)
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)

This input is created by utilizing a statewide EPA default VMT mix of VMT fraction by the MOVES vehicle types (vType16) 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 that would reconcile the two VMT mixes by properly mapping the 16 CT DOT vehicle types to the 13 MOVES vehicle 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.

[26] U.S. Environmental Protection Agency.MOVES4 Application. https://www.epa.gov/system/files/other-files/2026-04/moves4.0.3-setup-20260402.exe

Table E-13	HPMS Rural Travel Activity Percentages by Vehicle Type and Road Type (Connecticut 2015 – 2017)
Table E-14	HPMS Urban Travel Activity Percentages by Vehicle Type and Road Type (Connecticut 2015 – 2017)
Table E-15	Statewide and County MOVES Source Use Type VMT Fraction by MOVES Road Type and All Road Types
Table E-16	Statewide and County Road Type VMT Fraction for MOVES Source Use Type
Table E-17	CT VMT by Hour– CT MOBILE6 VMT by Hour Format and Distinct Value Presentation of the CT DOT Cube Model MOVES Preproccesor Input
Table E-18	Average 2020 Daily HPMS VMT (miles per day) for the 14 2010+ FHWA HPMS Road Types
Table E-19	2020 HPMSBaseYearVMT Annual Vehicle Miles Traveled (VMT)
Table E-20	2020 Summer Weekday Vehicle Miles Traveled (VMT)

3.1.1.6 Ramp Fraction

Beginning with MOVES3, ramps are no longer a separate road type. Their emissions are included in the restricted access road types. This input is no longer used.[27]

3.1.1.7 HPMS Vehicle Type VMT

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

These inputs contain a combination of multiple data sources including default VMT mixes, locally collected VMT mixes, and modeled VMT figures developed using CT DOT's CUBE travel demand model. The VMT mix by HPMS road type and MOVES vehicle type is created utilizing the process outlined above in the Road Type Distribution description. County level VMT totals by HPMS road type are calculated with CT DOT's CUBE statewide travel demand model. Please note that these VMT totals are based on HPMS VMT factors that have been derived from HPMS VMT figures categorized by Urban Area. HPMS VMT factors from 2015 were utilized in CUBE. The VMT mix, County VMT by road type, and the locally collected fraction of VMT by hour is then input into EPA's MOVES VMT converter to calculate and format County level daily VMT by MOVES vehicle types (HPMSvType) and a VMT fraction by source type, road type, day type, and hour of the day. The daily VMT figures are then input into EPA's MOVES Annual Average Daily VMT converter, which utilizes CUBE calculated seasonal VMT factors as well as default weekend day adjustment factors to develop County level annual VMT totals by MOVES vehicle types (HPMSvType). This analysis utilized CTDOT CUBE Ser2A Route 34 Revised.

3.1.1.8 Average Speed Distribution

This input represents the distribution of vehicle-hours traveled among 16 speed bins and MOVES requires this information for every combination vehicle source type, road type, and hour of the day. It is also separated seasonally to allow for summer, winter, and annual average adjustment factors.

These inputs are generated starting with CT DOT's CUBE using average speed by functional classification and the local fraction of VMT by hour of the day. The resultant data sets consist of a matrix of 14 speed bins by hour of the day based

[27] U.S. Environmental Protection Agency. *Overview of EPA's MOtor Vehicle Emission Simulator (MOVES3).* (EPA-420-R-21-004, March 2021) Page 12 https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P1011KV2.pdf

on the MOBILE6.2 formatted speed distribution needs. This is then input into EPA's average speed converter to expand the MOBILE6.2 speed bin 14 to MOVES speed bins 14, 15, and 16.

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 MOVES4 default values are used to define both the fuel formulation and fuel supply values for the 2020 PEI analysis since a full local fuel property study for Connecticut was not available, as recommended in Section 4.8.1 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 4.8.2 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 are only two public E-85 stations located in Connecticut: A single public E-85 gas station in New London County; and a single public E-85 gas station in Fairfield County. It is safe to conservatively assume that E-85 usage in E-85 passenger vehicles is minimal at this time and the fuel fraction for E-85 has been set to zero.

[28] U.S. Environmental Protection Agency. *MOVES4 Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity*. Pg 50.
[29] U.S. Environmental Protection Agency. *MOVES4 Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity*. Pg 53.

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 year 2020 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 2020 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. MOVES4.0.1 introduced EV fractions in the AVFT for the first time. An analysis of the new AVFT revealed that the default fraction of EVs for various vehicle types was significantly higher than being observed in CT. For example, an analysis of the 2020 CT Registration data revealed that for the last complete model year, 2019, only 1.6% of passenger cars were EV. The MOVES4.0.1 AVFT default values present a 3.2%. EV fraction for 2019 model year passenger cars. Because the penetration of EVs in all vehicle classes and model years prior to 2020 is extremely low, for the 2020 PEI, Connecticut has conservatively set all EV fractions to zero in the AVFT file. The fraction of EVs in the default AVFT were redistributed proportional to the MOVES defaults for the other fuel types for each specific vehicle source type and model year.

3.1.1.12 Hotelling Inputs

The MOVES input, *hotelling*, refers to the time spent idiling in long-haul combination trucks (Source Type ID= 62) during federally mandated rest periods for long-haul trips. Hotelling modes include extended idle, off-network idle, diesel auxiliary power unit use, battery power, and engine-off. MOVES hotelling inputs are used to import total hotelling hours by hour of day, day type, month, and vehicle model year.

Beginning with MOVES3, EPA improved and refined the hoteling inputs using real-world data from over 120,000 hours of activity from the National Renewable Energy Lab (NREL) for heavy duty vehicles and ability to model off-network idling. MOVES4.0.1 then added the ability to model battery electric, fuel-cell electric, and compressed natural gas (CNG) long-haul combination trucks and can estimate the emissions and energy use associated with their hotelling. This now includes energy use associated with shore (grid) powered hotelling operation.

EPA now recommends that unless local data is available, users should utilize the national defaults.[30] CT used MOVES4.0.1 hotelling defaults for this analysis.

3.1.2 MOVES On-Road Data

Information regarding MOVES4.0.1 run specifications, input databases, and output databases used to calculate 2020 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 2020 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. *MOVES4 Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity*. Pg 72

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	2020 Annual Onroad Emissions by SCC for Fairfield County (Excluding Refueling Emissions)
Table F-2	2020 Annual Onroad Emissions by SCC for Hartford County (Excluding Refueling Emissions)
Table F-3	2020 Annual Onroad Emissions by SCC for Litchfield County (Excluding Refueling Emissions)
Table F-4	2020 Annual Onroad Emissions by SCC for Middlesex County (Excluding Refueling Emissions)
Table F-5	2020 Annual Onroad Emissions by SCC for New Haven County (Excluding Refueling Emissions)
Table F-6	2020 Annual Onroad Emissions by SCC for New London County (Excluding Refueling Emissions)
Table F-7	2020 Annual Onroad Emissions by SCC for Tolland County (Excluding Refueling Emissions)
Table F-8	2020 Annual Onroad Emissions by SCC for Windham County (Excluding Refueling Emissions)
Table F-9	2020 Summer Weekday Onroad Emissions by SCC For Fairfield County (Excluding Refueling Emissions)
Table F-10	2020 Summer Weekday Onroad Emissions by SCC For Hartford County (Excluding Refueling Emissions)
Table F-11	2020 Summer Weekday Onroad Emissions by SCC For Litchfield County (Excluding Refueling Emissions)
Table F-12	2020 Summer Weekday Onroad Emissions by SCC For Middlesex County (Excluding Refueling Emissions)
Table F-13	2020 Summer Weekday Onroad Emissions by SCC For New Haven County (Excluding Refueling Emissions)
Table F-14	2020 Summer Weekday Onroad Emissions by SCC For New London County (Excluding Refueling Emissions)
Table F-15	2020 Summer Weekday Onroad Emissions by SCC For Tolland County (Excluding Refueling Emissions)
Table F-16	2020 Summer Weekday Onroad Emissions by SCC For Windham County (Excluding Refueling Emissions)
Table F-17	2020 Annual Onroad Emissions by Fuel Type (Excluding Refueling Emissions)
Table F-18	2020 Summer Weekday Onroad Emissions by Fuel Type (Excluding Refueling Emissions)

Table 3-13: 2020 Annual Statewide 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	Gasoline	Motorcycle	510.396	160.638	2964.255	8.409	4.417	0.430	9.031
22-01-21-0080	Gasoline	Passenger Car	3550.974	2465.650	42806.981	428.511	107.968	24.499	711.512
22-01-31-0080	Gasoline	Passenger Truck	3253.748	3388.436	51093.221	564.747	147.762	37.414	780.633
22-01-32-0080	Gasoline	Light Commercial Truck	264.936	336.528	4818.198	42.346	12.564	3.016	59.202
22-01-41-0080	Gasoline	Other Buses	0.391	0.492	19.141	0.052	0.026	0.005	0.098
22-01-42-0080	Gasoline	Transit Bus	1.011	1.164	50.034	0.145	0.065	0.018	0.298
22-01-43-0080	Gasoline	School Bus	1.291	1.043	38.245	0.236	0.084	0.022	0.335
22-01-51-0080	Gasoline	Refuse Truck	0.223	0.178	2.273	0.009	0.008	0.0002	0.008
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	126.568	99.147	1500.077	6.109	3.478	0.401	7.354
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	6.738	4.691	69.834	0.528	0.197	0.051	0.915
22-01-54-0080	Gasoline	Motor Home	20.009	17.701	298.379	0.872	0.543	0.030	0.831
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.0202	0.0256	0.5061	0.0005	0.0002	3.13E-05	0.0012
22-01-62-0080	Gasoline	Combination Long-haul Truck	0	0	0	0	0	0	0
22-02-11-0080	Diesel	Motorcycle	0	0	0	0	0	0	0
22-02-21-0080	Diesel	Passenger Car	9.051	10.225	214.924	2.352	0.476	0.098	1.164
22-02-31-0080	Diesel	Passenger Truck	137.282	821.124	815.884	54.129	37.163	0.939	8.578
22-02-32-0080	Diesel	Light Commercial Truck	21.781	140.464	123.141	8.827	6.058	0.166	1.599
22-02-41-0080	Diesel	Other Buses	1.081	20.280	7.469	0.980	0.682	0.013	0.127
22-02-42-0080	Diesel	Transit Bus	1.464	24.361	13.066	0.793	0.415	0.030	0.380
22-02-43-0080	Diesel	School Bus	4.678	71.507	37.836	3.765	1.357	0.159	2.415
22-02-51-0080	Diesel	Refuse Truck	1.503	23.662	9.687	1.268	0.903	0.020	0.190
22-02-52-0080	Diesel	Single Unit Short-haul Truck	103.464	549.147	321.054	29.948	19.438	0.638	7.018
22-02-53-0080	Diesel	Single Unit Long-haul Truck	4.787	55.456	30.528	3.547	2.189	0.077	0.958
22-02-54-0080	Diesel	Motor Home	1.814	16.332	7.903	1.056	0.785	0.011	0.066
22-02-61-0080	Diesel	Combination Short-haul Truck	48.428	1135.229	477.477	53.319	31.765	1.293	16.561
22-02-62-0080	Diesel	Combination Long-haul Truck	154.722	4119.255	1675.779	192.574	118.069	4.093	48.897
22-03-11-0080	CNG	Motorcycle	0	0	0	0	0	0	0
22-03-21-0080	CNG	Passenger Car	0	0	0	0	0	0	0
22-03-31-0080	CNG	Passenger Truck	0	0	0	0	0	0	0
22-03-32-0080	CNG	Light Commercial Truck	0	0	0	0	0	0	0

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-03-41-0080	CNG	Other Buses	0.290	1.134	6.285	0.042	0.018	0.002	0.056
22-03-42-0080	CNG	Transit Bus	0.461	1.449	17.774	0.077	0.020	0.007	0.143
22-03-43-0080	CNG	School Bus	0.247	0.365	10.310	0.035	0.007	0.003	0.064
22-03-51-0080	CNG	Refuse Truck	0.161	0.274	6.674	0.023	0.004	0.002	0.043
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.766	1.499	31.619	0.142	0.026	0.010	0.207
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.102	0.188	3.953	0.020	0.004	0.001	0.028
22-03-54-0080	CNG	Motor Home	4.416E-05	0.0003	0.0003	6.54E-06	3.56E-06	2.18E-07	7.82E-06
22-03-61-0080	CNG	Combination Short-haul Truck	0.816	1.347	37.870	0.115	0.022	0.012	0.300
22-03-62-0080	CNG	Combination Long-haul Truck	1.494	2.319	75.816	0.282	0.037	0.030	0.550
22-04-11-0080	LPG	Motorcycle	0	0	0	0	0	0	0
22-04-21-0080	LPG	Passenger Car	0	0	0	0	0	0	0
22-04-31-0080	LPG	Passenger Truck	0	0	0	0	0	0	0
22-04-32-0080	LPG	Light Commercial Truck	0	0	0	0	0	0	0
22-04-41-0080	LPG	Other Buses	0	0	0	0	0	0	0
22-04-42-0080	LPG	Transit Bus	0	0	0	0	0	0	0
22-04-43-0080	LPG	School Bus	0	0	0	0	0	0	0
22-04-51-0080	LPG	Refuse Truck	0	0	0	0	0	0	0
22-04-52-0080	LPG	Single Unit Short-haul Truck	0	0	0	0	0	0	0
22-04-53-0080	LPG	Single Unit Long-haul Truck	0	0	0	0	0	0	0
22-04-54-0080	LPG	Motor Home	0	0	0	0	0	0	0
22-04-61-0080	LPG	Combination Short-haul Truck	0	0	0	0	0	0	0
22-04-62-0080	LPG	Combination Long-haul Truck	0	0	0	0	0	0	0
22-05-11-0080	E85	Motorcycle	0	0	0	0	0	0	0
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
22-05-41-0080	E85	Other Buses	0	0	0	0	0	0	0
22-05-42-0080	E85	Transit Bus	0	0	0	0	0	0	0
22-05-43-0080	E85	School Bus	0	0	0	0	0	0	0
22-05-51-0080	E85	Refuse Truck	0	0	0	0	0	0	0
22-05-52-0080	E85	Single Unit Short-haul Truck	0	0	0	0	0	0	0

SCC	Fuel Type	Source Type	Annual Emissions [TPY]						
			VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
22-05-53-0080	E85	Single Unit Long-haul Truck	0	0	0	0	0	0	0
22-05-54-0080	E85	Motor Home	0	0	0	0	0	0	0
22-05-61-0080	E85	Combination Short-haul Truck	0	0	0	0	0	0	0
22-05-62-0080	E85	Combination Long-haul Truck	0	0	0	0	0	0	0
22-09-11-0080	Electricity	Motorcycle	0	0	0	0	0	0	0
22-09-21-0080	Electricity	Passenger Car	0	0	0	0	0	0	0
22-09-31-0080	Electricity	Passenger Truck	0	0	0	2.25E-06	2.98E-07	0	0
22-09-32-0080	Electricity	Light Commercial Truck	0	0	0	0	0	0	0
22-09-41-0080	Electricity	Other Buses	0	0	0	0	0	0	0
22-09-42-0080	Electricity	Transit Bus	0	0	0	0	0	0	0
22-09-43-0080	Electricity	School Bus	0	0	0	0	0	0	0
22-09-51-0080	Electricity	Refuse Truck	0	0	0	0	0	0	0
22-09-52-0080	Electricity	Single Unit Short-haul Truck	0	0	0	0	0	0	0
22-09-53-0080	Electricity	Single Unit Long-haul Truck	0	0	0	0	0	0	0
22-09-54-0080	Electricity	Motor Home	0	0	0	0	0	0	0
22-09-61-0080	Electricity	Combination Short-haul Truck	0	0	0	0	0	0	0
22-09-62-0080	Electricity	Combination Long-haul Truck	0	0	0	0	0	0	0
Statewide Total for On-Road Mobile Sources			**8,231.70**	**13,471.31**	**107,586.19**	**1,405.26**	**496.55**	**73.49**	**1,660.56**

Table 3-14: 2020 Summer Day Statewide Onroad Emissions

SCC	Fuel Type	Source Type	Summer Weekday Emissions [lb/day]		
			VOC	NO_X	CO
22-01-11-0080	Gasoline	Motorcycle	3,663.03	756.60	17,982.52
22-01-21-0080	Gasoline	Passenger Car	22,623.78	12,679.01	285,314.42
22-01-31-0080	Gasoline	Passenger Truck	20,637.42	17,774.42	348,717.26
22-01-32-0080	Gasoline	Light Commercial Truck	1,712.86	1,819.14	32,524.98
22-01-41-0080	Gasoline	Other Buses	3.04	2.71	118.17
22-01-42-0080	Gasoline	Transit Bus	7.95	6.52	309.28
22-01-43-0080	Gasoline	School Bus	11.70	6.85	239.90
22-01-51-0080	Gasoline	Refuse Truck	1.80	0.85	13.55
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	1,091.27	662.36	9,309.41
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	49.94	21.18	383.98
22-01-54-0080	Gasoline	Motor Home	171.58	84.43	1,630.45
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.15	0.12	2.83
22-01-62-0080	Gasoline	Combination Long-haul Truck	0	0	0
22-02-11-0080	Diesel	Motorcycle	0	0	0
22-02-21-0080	Diesel	Passenger Car	35.84	64.86	1,810.57
22-02-31-0080	Diesel	Passenger Truck	781.70	5,786.51	6,706.69
22-02-32-0080	Diesel	Light Commercial Truck	121.25	989.52	1,009.68
22-02-41-0080	Diesel	Other Buses	5.97	110.63	47.40
22-02-42-0080	Diesel	Transit Bus	7.67	133.62	82.62
22-02-43-0080	Diesel	School Bus	17.69	411.63	248.57
22-02-51-0080	Diesel	Refuse Truck	8.48	129.17	62.40
22-02-52-0080	Diesel	Single Unit Short-haul Truck	260.02	3,152.03	2,083.36
22-02-53-0080	Diesel	Single Unit Long-haul Truck	25.98	295.30	185.08
22-02-54-0080	Diesel	Motor Home	10.43	88.97	48.95
22-02-61-0080	Diesel	Combination Short-haul Truck	276.81	6,194.15	2,996.44
22-02-62-0080	Diesel	Combination Long-haul Truck	958.03	22,393.00	10,443.24
22-03-11-0080	CNG	Motorcycle	0	0	0
22-03-21-0080	CNG	Passenger Car	0	0	0
22-03-31-0080	CNG	Passenger Truck	0	0	0
22-03-32-0080	CNG	Light Commercial Truck	0	0	0
22-03-41-0080	CNG	Other Buses	1.80	5.39	39.36
22-03-42-0080	CNG	Transit Bus	2.86	6.86	111.35
22-03-43-0080	CNG	School Bus	1.53	1.73	64.82
22-03-51-0080	CNG	Refuse Truck	0.99	1.28	41.78
22-03-52-0080	CNG	Single Unit Short-haul Truck	4.54	6.96	200.97
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.62	0.87	24.38
22-03-54-0080	CNG	Motor Home	0.00	0.00	0.00
22-03-61-0080	CNG	Combination Short-haul Truck	5.09	6.43	236.33
22-03-62-0080	CNG	Combination Long-haul Truck	9.32	11.04	472.26
22-04-21-0080	LPG	Passenger Car	0	0	0

22-04-31-0080	LPG	Passenger Truck	0	0	0
22-04-32-0080	LPG	Light Commercial Truck	0	0	0
22-04-41-0080	LPG	Other Buses	0	0	0
22-04-42-0080	LPG	Transit Bus	0	0	0
22-04-43-0080	LPG	School Bus	0	0	0
22-04-51-0080	LPG	Refuse Truck	0	0	0
22-04-52-0080	LPG	Single Unit Short-haul Truck	0	0	0
22-04-53-0080	LPG	Single Unit Long-haul Truck	0	0	0
22-04-54-0080	LPG	Motor Home	0	0	0
22-04-61-0080	LPG	Combination Short-haul Truck	0	0	0
22-04-62-0080	LPG	Combination Long-haul Truck	0	0	0
22-05-11-0080	E85	Motorcycle	0	0	0
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
22-05-41-0080	E85	Other Buses	0	0	0
22-05-42-0080	E85	Transit Bus	0	0	0
22-05-43-0080	E85	School Bus	0	0	0
22-05-51-0080	E85	Refuse Truck	0	0	0
22-05-52-0080	E85	Single Unit Short-haul Truck	0	0	0
22-05-53-0080	E85	Single Unit Long-haul Truck	0	0	0
22-05-54-0080	E85	Motor Home	0	0	0
22-05-61-0080	E85	Combination Short-haul Truck	0	0	0
22-05-62-0080	E85	Combination Long-haul Truck	0	0	0
22-09-11-0080	Elec.	Motorcycle	0	0	0
22-09-21-0080	Elec.	Passenger Car	0	0	0
22-09-31-0080	Elec.	Passenger Truck	0	0	0
22-09-32-0080	Elec.	Light Commercial Truck	0	0	0
22-09-41-0080	Elec.	Other Buses	0	0	0
22-09-42-0080	Elec.	Transit Bus	0	0	0
22-09-43-0080	Elec.	School Bus	0	0	0
22-09-51-0080	Elec.	Refuse Truck	0	0	0
22-09-52-0080	Elec.	Single Unit Short-haul Truck	0	0	0
22-09-53-0080	Elec.	Single Unit Long-haul Truck	0	0	0
22-09-54-0080	Elec.	Motor Home	0	0	0
22-09-61-0080	Elec.	Combination Short-haul Truck	0	0	0
22-09-62-0080	Elec.	Combination Long-haul Truck	0	0	0
Statewide Total for On-Road Mobile Sources			**52,511.16**	**73,604.13**	**723,463.02**

3.2 Non-Road Mobile Sources

The following MOVES default inputs have been refined by the EPA since MOVES2014b:

- Non-road diesel fuel sulfur levels (MOVES3)[31]
  - This will affect non-road emissions for SO_2 and particulate matter.
- Non-road gasoline fuel sulfur levels (MOVES4.0.1)[32]
  - This will affect non-road emissions for SO_2.

To estimate non-road emissions in 2020, CT DEEP ran MOVES4.0.1 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 MOVES4 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 MOVES4 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 MOVES4 defaults as is similarly done with the on-road runs to ensure the validity of the results.[33] Further detail can be found in subpart 3.1.1.9.

3.2.1.2 Population Adjustment for Recreational Marine Sources

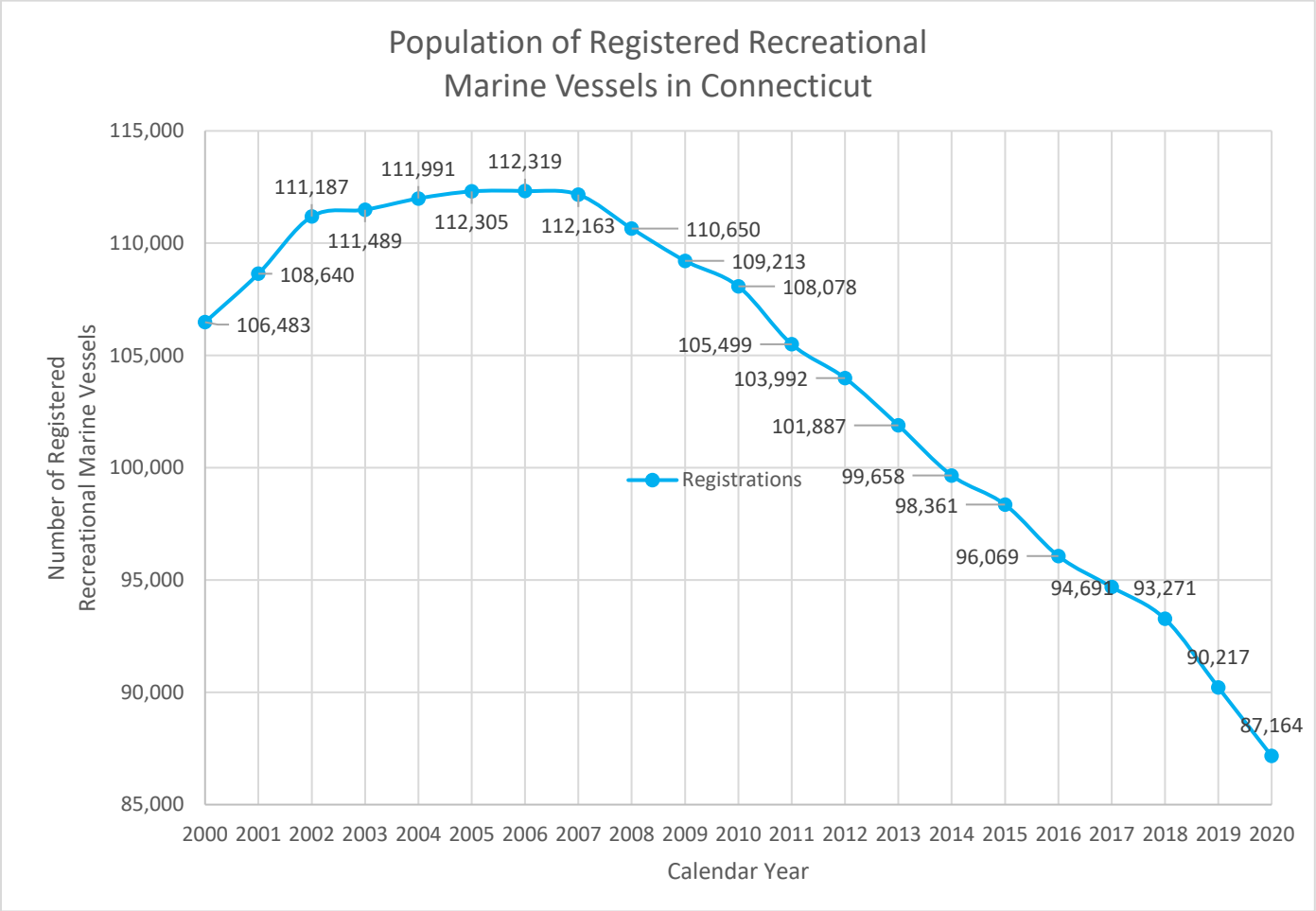
The default MOVES4.0.1 values for the *nrbaseyearequippopulation* input are used for all non-road sources except recreational marine sources (sourcetypesIDs 2113 through 2159). This is because the default population growth among these source types is not reflective of boating population in Connecticut. Recreational marine estimates for 2020 are obtained from CT DMV boating registration data.

As seen in Figure 3-C 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 1,700 registrations each year to a total of 87,146 boating registrations in 2020, a decline of approximately 19% over the last decade. The default MOVES4.0.1 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 2020 registration data was used to create an equipment population and distribution for each recreational marine source type.

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

[31] U.S. Environmental Protection Agency. *Overview of EPA's MOtor Vehicle Emission Simulator (MOVES3). https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P1011KV2.pdf* . Pg 32.
[32] U.S. Environmental Protection Agency. *Overview of EPA's MOtor Vehicle Emission Simulator (MOVES4).* https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P10186IV.pdf Pg. 49
[33] 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 MOVES4.0.1 run specifications, input databases, and output databases used to calculate 2020 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 2020 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 comprehensively shown by county and sector in Appendix G. While aircraft, commercial marine vessels, and locomotives are discussed in sections 3.3, 3.4, and 3.5, the emissions from these sectors are included in these section 3.2.3 summary tables.

Table 3-15: 2020 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	10.06	107.16	99.20	7.24	7.02	0.06	0.16	0
Aircraft Exhaust	122.08	181.38	1,566.73	35.02	28.04	22.01	0	3.3518
Airport Equipment	2.86	4.22	36.20	0.24	0.23	0.02	0	0
Commercial Equipment	689.36	721.71	19,829.75	62.54	59.48	0.72	1.72	0
Commercial Marine Vessels (CMV)	28.78	834.69	123.21	21.38	20.61	7.83	0.40	0.0026
Construction and Mining Equipment	451.30	2,095.68	4,679.38	195.26	187.99	1.86	5.06	0
Industrial Equipment	180.81	1,114.76	4,967.27	53.56	52.45	1.89	2.13	0
Lawn and Garden Equipment (Com)	3,064.18	698.50	48,184.21	258.49	238.74	1.17	3.16	0
Lawn and Garden Equipment (Res)	1,094.35	176.72	19,425.33	50.21	46.20	0.41	1.13	0
Locomotives	38.96	852.23	139.84	24.56	23.82	0.53	0.47	0
Logging Equipment	1.93	3.13	19.08	0.42	0.40	0.01	0.02	0
Pleasure Craft	1,381.37	1,018.07	8,695.41	26.92	25.24	0.84	1.54	0
Railroad Equipment	4.14	20.36	57.12	2.25	2.18	0.01	0.03	0
Recreational Equipment	736.02	84.19	6,576.09	22.97	21.21	0.17	0.47	0
Statewide Total	**7,806.19**	**7,912.79**	**114,398.83**	**761.06**	**713.62**	**37.53**	**16.29**	**3.3544**

Table 3-16: 2020 Summer Weekday Non-Road Sector Emissions in Connecticut

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	101	1,071	1,019
Aircraft Exhaust	727	1,004	11,756
Airport Equipment	14	20	175
Commercial Equipment	4,498	4,228	130,750
Commercial Marine Vessels (CMV)	158	4,586	677
Construction and Mining Equipment	3,323	15,321	35,483
Industrial Equipment	1,116	6,597	31,848
Lawn and Garden Equipment (Com)	22,310	5,759	434,974
Lawn and Garden Equipment (Res)	6,825	927	126,071
Locomotives	300	6,556	1,076
Logging Equipment	12	19	124
Pleasure Craft	9,446	5,060	45,450
Railroad Equipment	28	137	403
Recreational Equipment	4,653	455	45,561
Statewide Total	53,511	51,741	865,367

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. 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
22-75-087-000	Mobile Sources	Aircraft	In-flight (non-Landing-Takeoff cycle)	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 2020 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. SCC 22-75-087-000 is uniquely provided a statewide area source lead only emission estimate for in-flight aircraft emissions that occur above the boundary layer. The finalized EPA estimates used in the 2020 NEI for aircraft can be found in the **2020EPA_Airports** dataset available through the EIS Gateway.

Note: This NEI dataset has the county-equivalents, so we conducted a crosswalk to original counties for 2020 reporting year.

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 2020 NEI TSD.[34]

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 (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 Terminal 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 2020 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.

Aircraft APUs and GSE estimates are provided in the **2020EPA_Airports** dataset for a few Connecticut airports. While APU and GSE emission estimates are typically at the thirteen airports included in the FAA TAF, the FAA ATADS records and Connecticut airport survey responses do not explicitly identify APUs or GSE operations. The most representative type of aircraft operations at that airport are used as a surrogate to estimate summer day allocation factors for these APU and GSE SCCs at a particular airport. This is because APUs are specific to aircraft commonly used for commercial air carrier and air taxi services and GSE can be provided at the airport for passengers, luggage, and shipments at the airport. Airport specific activities thought to provide the most representative summer day can be applied independently but review of the data indicated that adopting an estimate that included both air carrier and air taxi activity together appeared to be reasonable. For example, the most significant APU and GSE emissions for Connecticut are at Bradley Airport (BDL). The 2020 air carrier commercial aircraft summer season allocation factor is estimates of 0.218 and a combined air carrier and

[34] U.S. Environmental Protection Agency. *Airports: Aircraft-related Emissions*. 2020 National Emissions Inventory: January 2023 Updated Release, Technical Support Document. https://www.epa.gov/system/files/documents/2023-01/NEI2020_TSD_Section3_Point.pdf.

air taxi summer day allocation factor is estimates of 0.237 were calculated from FAA ATADS data. A summer day allocation factor of 0.222 season was applied to the APU (22-75-070-000) and GSE SCCs (22-65-008-005, 22-67-008-005, 22-68-008-005, and 22-70-008-005) at BDL (See appendix table G-20). EPA APU and GSE emission estimates for other airports were much smaller and an allocation factor based on a calculated combined air carrier and air taxi summer was used when needed. Appendix G only shows non-zero emissions. Airport ground support equipment SCC 22-60-008-005 (two stroke gasoline), SCC 22-67-008-005 (LPG), and SCC 22-68-008-005 (CNG) do not appear in Appendix G because these process SCCs have no emissions in Connecticut for 2020.

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 3-18a: SCCs to Define Commercial Marine Vessels

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
22-80-002-101	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Port emissions: Main Engine
22-80-002-102	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Port emissions: Auxiliary Engine
22-80-002-103	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Port emissions: Main Engine
22-80-002-104	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Port emissions: Auxiliary Engine
22-80-002-201	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Underway emissions: Main Engine
22-80-002-202	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Underway emissions: Auxiliary Engine
22-80-002-203	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Underway emissions: Main Engine
22-80-002-204	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Underway emissions: Auxiliary Engine
22-80-003-103	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Port emissions: Main Engine
22-80-003-104	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Port emissions: Auxiliary Engine
22-80-003-203	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Underway emissions: Main Engine

22-80-003-204	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Underway emissions: Auxiliary Engine

SCCs previously used for reporting commercial marine vessels (CMVs) were retired in 2016 and are shown below:

Table 3-18b: Retired Commercial Marine Vessels SCCs

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 2020 NEI are accepted without modification. For more information on how the EPA determined these estimates, please refer to Section 11 of the 2020 NEI TSD.[35]

The annual estimates for 2020 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 (24 hours a day seven days a week), 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.

[35] U.S. Environmental Protection Agency. 2020 National Emissions Inventory: March 2023 Updated Release, Technical Support Document https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section11_CMV.pdf

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 2020 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.

‡ Valley Railroad is actually tourist attraction (passenger) operations that was included in the inventory as a as Class II/III.

The 2020 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. 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.[36] The Class I values pertain only to CSXT, where Fairfield (146,415 gallons), and New Haven (111,555 gallons), respectively represent 3.2% and 2.4% of total statewide locomotive fuel use in 2005 (4,545,060 gallons) and 10.5% and 8% 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 2020 Class II and III rail emission estimates to obtain proportional values the 2020 Class I emissions estimates. The results of this estimate are presented in the Table G-24 2020 annual estimates for Class I Operations (SCC 22-85-002-006).

Connecticut accepts the 2020 NEI EPA estimates for Class II/III Operations (SCC 22-85-002-007), passenger trains (SCC 22-85-002-008), commuter rail (SCC 22-85-002-009) and yard locomotives (22-85-002-010). Information on how the EPA determined these rail emission estimates are available in Section 12 of the 2020 NEI TSD.[37]

[36] 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

[37] U.S. Environmental Protection Agency. 2017 National Emissions Inventory: January 2021 Updated Release, Technical Support Document https://www.epa.gov/sites/default/files/2021-02/documents/nei2017_tsd_full_jan2021.pdf. Pgs 4-256 to 4-258

Yard locomotives (22-85-002-010) emissions were zero due to the small scale of these operations. EPA 2020 emissions estimates associated with rail yard locomotives were estimated as point source emissions (point SCC 2-85-002-01) in the 2020 NEI, and even Connecticut's largest switchyard was considered too small and were estimated as zero.

The annual estimates for 2020 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 the 7.692 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.

Section 3 References

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

14. 40 CFR § 51.50. 2015. https://ecfr.federalregister.gov/current/title-40/chapter-I/subchapter-C/part-51#p-51.50

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

16. 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/201707/documents/ei_guidance_may_2017_final_rev.pdf

17. 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

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

19. 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.

20. NOAA data retrieved on May 4, 2016

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Section 4 Stationary Area Sources

4.0 Introduction

The Stationary Area Source Inventory (also known as NonPoint or 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). Below is a summary of the relevant tables and apendicies for this Section:

Table 4.0: Area Source Tables and Appendices

Table 4-1 and Table 4-2	Emissions Results	Present total area-source emissions (annual and summer day) by county.
Table 4-3and Table 4-4	Emissions Results	Present annual and summer-day contributions from each area-source sector by county.
Appendix I Table I-1	Emissions Results	Presents annual emissions (TPY) by section number within Section 4, SCC, and county.
Appendix I Table I-2	Emissions Results	Lists VOC, NOx, and CO emissions for a summer day (lb/day) by section number within Section 4, SCC, and county.
Appendix I Table I-3	Results	Defines the area-source sector groups used in Tables 4-3 and 4-4.
Appendix D Table D-1	Input	Lists applicable SCCs for each section of the 2020 PEI, including SCC description, EPA data category, and summer-day allocation method.
Appendix D Table D-2	Input	Provides summer-day allocation factors used to allocate annual emissions to summer-day emissions for area-source SCCs (except Stage II Refueling and landfill emissions).
Appendix B Example 3	Sample Calculation	Shows an example of how Appendix D Table D-2 allocation factors are implemented.
Appendix D Table D-3	Input	Lists additions and modifications to summer-day allocation factors for 84 SCCs evaluated for the 2020 PEI, including change type and justification.
Appendix D Table D-4and Table D-5	Input	Provide EPA temporal allocation information for new processes.
Appendix H	Input	Provide support for Area Source calculations

Emission estimates that indicate that Connecticut has adopted EPA's area source emissions estimates refer to emission estimates developed using the method described in 2020 National Emissions Inventory (NEI) Technical Support Document (TSD) | US EPA and emissions estimates contained in the 2020 NEI Data Retrieval Tool or he Emissions Inventory System (EIS) 2020NEI datafile using the County by Source Classification report.

As part of the process of developing EPA's 2020 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. 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 2020 NEI are also addressed in this document and are reflected in revised emissions estimates as described.

Documentation for the 2020 NEI is provided in the 2020 National Emissions Inventory (NEI) Technical Support Document (TSD) | US EPA. Supporting information is in individual TSD section documents. 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. The EPA TSD provides a high-level description for EPA analyses, where additional details are available from other sources. Activity, apportionment, emission factor, and emission details can usually be found in the MS Access EPA Wagon Wheel[38] or the 2020NEI EPA Emissions Inventory System (EIS) 2020NEI Area Emissions Process report. Emission detail (and the ability to calculate pollutant based county apportionment values) can also be obtained from the 2020NEI EPA Emissions Inventory System (EIS) 2020NEI County By Source Classification report or the 2020 NEI Data Retrieval Tool[39]. The EPA EIS 2020NEI reports can be impacted by the Connecticut County-Equivalent change, even though the 2020NEI estimates were based on Connecticut Counties. Some activity data are directly available at a county level, where other activity data are only available at a state level, requiring a surrogate to allocate the activity data to the county level.

Table 4-1: 2020 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	8,207	2,736	8,670	5,601	2,696	69	725	0.0708
Hartford	8,731	2,949	9,296	6,102	2,723	77	719	0.0701
Litchfield	2,245	539	5,122	3,937	1,355	31	726	0.0216
Middlesex	1,617	513	3,293	1,510	782	21	273	0.0193
New Haven	7,156	2,399	7,620	4,524	2,244	60	626	0.0651
New London	4,245	807	4,947	3,308	1,294	33	567	0.0304
Tolland	1,624	366	3,163	2,026	781	18	416	0.0148
Windham	1,397	306	2,709	2,242	734	16	434	0.0130
Connecticut	**35,223**	**10,616**	**44,820**	**29,250**	**12,608**	**325**	**4,485**	**0.3052**

[38] *Nonpoint Wagon Wheel 2020 v7 Final – SLT Inputs database*. https://www.epa.gov/air-emissions-inventories/2020-air-emissions-data

[39] 2020 NEI National Emissions Inventory Data Retrieval Tool (County Level Data). https://awsedap.epa.gov/public/single/?appid=20230c40-026d-494e-903f-3f112761a208&sheet=5d3fdda7-14bc-4284-a9bb-cfd856b9348d&opt=ctxmenu,currsel

Table 4-2: 2020 Summer Day Area Source Emissions Summary by County

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	45,835	6,391	12,842
Hartford	49,369	7,071	12,567
Litchfield	9,826	1,098	3,215
Middlesex	7,424	1,123	2,712
New Haven	39,751	5,431	11,118
New London	24,876	1,790	4,183
Tolland	7,600	698	2,071
Windham	6,714	619	1,745
Connecticut	**191,394**	**24,220**	**50,454**

Table 4-3: 2020 Annual Area Source Emissions Summary by Sector

Area Source Sector (See Appendix I Table I-3 for definitions)	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Agriculture	607.5	0.0	0.0	1,129.4	222.9	0.0	3,395.5	0.0000
Asphalt Paving	977.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Aviation Gasoline Distribution	229.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0015
Bulk Plants and Terminals	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Commercial Cooking	390.5	0.0	1,092.9	2,863.5	2,658.9	0.0	0.0	0.0000
Construction Dust	0.0	0.0	0.0	6,237.1	623.7	0.0	0.0	0.0000
Cremation or Other Nonpoint Non-Combustion-Related Mercury Sources	0.3	3.5	2.9	3.0	2.0	2.1	0.0	0.0091
Fuel Combustion Commercial and Institutional Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Fuel Combustion Commercial and Institutional Distillate Oil	32.3	605.8	150.1	59.2	56.0	29.3	10.7	0.0156
Fuel Combustion Commercial and Institutional Kerosene	0.0	1.7	0.4	0.2	0.2	0.0	0.1	0.0001
Fuel Combustion Commercial and Institutional Liquified Petroleum Gas (LPG)	8.1	221.4	124.0	0.8	0.6	0.9	0.8	0.0007
Fuel Combustion Commercial and Institutional Natural Gas	132.8	2,414.4	2,028.1	12.6	10.4	14.5	11.8	0.0121
Fuel Combustion Commercial and Institutional Residual Oil	0.3	12.7	1.2	1.2	0.7	10.9	0.2	0.0003
Fuel Combustion Commercial and Institutional Wood	7.9	102.6	279.9	241.2	208.5	11.7	2.3	0.0000
Fuel Combustion Industrial Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Fuel Combustion Industrial Distillate Oil	7.4	127.2	29.8	10.9	9.3	7.1	1.4	0.0460
Fuel Combustion Industrial Kerosene	0.1	7.7	1.9	0.9	0.6	0.1	0.3	0.0005

Area Source Sector (See Appendix I Table I-3 for definitions)	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fuel Combustion Industrial Liquified Petroleum Gas (LPG)	1.0	27.6	15.5	0.1	0.1	0.1	0.6	0.0000
Fuel Combustion Industrial Natural Gas	30.7	558.0	468.7	2.9	2.4	3.3	17.9	0.0028
Fuel Combustion Industrial Residual Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Fuel Combustion Industrial Wood	29.7	384.0	1,047.3	902.4	780.2	43.6	12.2	0.0000
Gas Stations	1,073.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Gas Stations - Stage I	1,182.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Industrial Processes - Storage and Transfer - Truck or Pipeline	994.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Mining and Quarrying	0.0	0.0	0.0	2,343.8	293.0	0.0	0.0	0.0000
Municipal Landfill Emissions	297.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Oil and Gas Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Portable Fuel Containers Estimates	205.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Prescribed Burning and Wildfires (Events)	104.2	7.0	440.5	45.7	38.8	3.6	7.3	0.0022
Publicly Owned Treatment Works (POTW)	49.5	0.0	0.0	0.0	0.0	0.0	9.8	0.0000
Residential Charcoal Grilling	56.8	21.1	1,018.2	193.1	154.6	0.0	0.0	0.0000
Residential Heating: Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Residential Heating: Distillate Oil	120.8	2,652.3	846.8	403.1	360.7	36.1	169.4	0.2141
Residential Heating: Kerosene	0.2	4.0	1.1	0.5	0.5	0.0	0.2	0.0003
Residential Heating: LPG	22.4	575.2	163.1	2.1	1.7	2.4	2.0	0.0000
Residential Heating: Natural Gas	133.9	2,288.9	974.0	12.7	10.5	14.6	487.0	0.0000
Residential Heating: Wood	5,477.1	597.5	36,029.2	5,519.5	5,511.8	143.8	268.5	0.0000
Residential Residual Oil Combustion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Road Dust	0.0	0.0	0.0	9,252.0	1,650.1	0.0	0.0	0.0000
Solvent - Consumer & Commercial Solvent Use	13,872.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0000

Area Source Sector (See Appendix I Table I-3 for definitions)	Annual Emissions [TPY]							
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Solvent – Degreasing	752.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Solvent - Dry Cleaning	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Solvent - Graphic Arts	2,237.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Solvent - Industrial Surface Coating & Solvent Use	5,578.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Waste Disposal Open Burning	14.1	3.7	104.2	12.6	9.7	1.2	10.8	0.0000
Waste Recycling Composting	541.73788	0.0	0.0	0.0	0.0	0.0	76.6	0.0000
All Area Sources	**35,223.4**	**10,616.3**	**44,819.8**	**29,250.5**	**12,607.9**	**325.5**	**4,485.2**	**0.3052**

Table 4-4: 2020 Summer Day Area Source Emissions Summary by Sector

Area Source Sector (See Appendix I Table I-3 for definitions)	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Agriculture	5,051	0	0
Asphalt Paving – Cutback and Emulsified	7,277	0	0
Aviation Gasoline Distribution	1,262	0	0
Bulk Plants and Terminals	178	0	0
Commercial Cooking	2,146	0	6,005
Construction Dust	0	0	0
Cremation or Other Nonpoint Non-Combustion-Related Mercury Sources	2	19	16
Fuel Combustion Commercial and Institutional Coal	0	0	0
Fuel Combustion Commercial and Institutional Distillate Oil	107	1,997	495
Fuel Combustion Commercial and Institutional Kerosene	0	6	1
Fuel Combustion Commercial and Institutional Liquified Petroleum Gas (LPG)	27	730	409
Fuel Combustion Commercial and Institutional Natural Gas	438	7,959	6,686
Fuel Combustion Commercial and Institutional Residual Oil	1	42	4
Fuel Combustion Commercial and Institutional Wood	0	0	0
Fuel Combustion Industrial Coal	0	0	0
Fuel Combustion Industrial Distillate Oil	48	815	191
Fuel Combustion Industrial Kerosene	0	49	12
Fuel Combustion Industrial Liquified Petroleum Gas (LPG)	6	177	99
Fuel Combustion Industrial Natural Gas	197	3,577	3,004
Fuel Combustion Industrial Residual Oil	0	0	0
Fuel Combustion Industrial Wood	0	0	0
Gas Stations	6,620	0	0
Gas Stations - Stage I	6,822	0	0
Industrial Processes - Storage and Transfer - Truck or Pipeline	5,731	0	0
Mining and Quarrying	0	0	0
Municipal Landfill Estimate	1,631	0	0
Oil and Gas Production	0	0	0
Portable Fuel Containers Estimates	2,267	0	0
Prescribed Burning and Wildfires (Events)	0	0	0
Publically Owned Treatment Works (POTW)	381	0	0
Residential Charcoal Grilling	624	231	11,189
Residential Heating: Coal	0	0	0
Residential Heating: Distillate Oil	146	3,206	1,024
Residential Heating: Kerosene	0	11	3
Residential Heating: LPG	60	1,549	439
Residential Heating: Natural Gas	206	3,521	1,498

Area Source Sector (See Appendix I Table I-3 for definitions)	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Residential Heating: Wood	2,490	311	18,806
Residential Residual Oil Combustion	0	0	0
Road Dust	0	0	0
Solvent - Consumer & Commercial Solvent Use	76,222	0	0
Solvent – Degreasing	5,789	0	0
Solvent - Dry Cleaning	102	0	0
Solvent - Graphic Arts	17,211	0	0
Solvent - Industrial Surface Coating & Solvent Use	44,110	0	0
Waste Disposal Open Burning	78	20	572
Waste Recycling Composting	4,167	0	0
All Area Sources	**191,394**	**24,220**	**50,454**

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 2020 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 2020 emissions reported.[40] Total activity for all missing distillate and natural gas facilities was calculated to be 454.69 thousand gallons of distillate oil and 2,093.9 million cubic feet of natural gas, as described in the following subsection. This missing electric utilities' activity data was applied to the ICI combustion tool (described below), in order to include the associated emissions in the inventory.

4.1.2 Industrial, Commercial, and Institutional (ICI) 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.

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 North American Industry Classification System (NAICS) and fuel type option (Option C) described in the EPA's ICI NEMO2 (ICI NEMO FINAL_4-2 updated.docx) originally 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 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 CRRA / 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.

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

[40] U.S. Energy Information Administration, *Form EIA-923 detailed data with previous data form data (EIA-906/920),* 2020 https://www.eia.gov/electricity/data/eia923/

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 inaccurately 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 the data, by sector and fuel, is 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 454.69 thousand gallons of distillate oil and 2,093.9 million cubic feet (MMCF) of natural gas removed for point reconciliation from the commercial sectors 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 paragraphs 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 an allocation profile, and commercial / institutional fuels were provided a different allocation 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 and calculated from the applicable NAICS code employment from the Bureau of the Census *County Business Patterns*. Applicable NAICS are described in the Appendix H Table H-7 notes and shown in Tables 25-4 of Section 25 of the 2020 NEI TSD.[41]

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 were used, with fuel-specific adjustments described the 2020 NEI TSD. Key state level inputs were as follows:

- ICI Point Source Reconciliation estimates using the 2017 NEMO methodology complemented by unaccounted for EIA 923 EGU fuel use.
- ICI Distillate Boiler/Engine Split 95/5 for Commercial (and institutional) and 90/10 for Industrial.
- ICI Distillate Sulfur 0.0015%.

[41] Environmental Protection Agency.*2020 National Emissions Inventory Technical Support Document: Fuel Combustion – Nonpoint Industrial and Commercial/Institutional Boilers and ICEs*.https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section25_FuelComb_ICI.pdf

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. EIA SEDS 2020 commercial Mnemonic Series Names (MSN) CLCCP (Commercial) and CLICP (Industrial) indicate that coal was not used as a stationary source commercial or industrial fuel in Connecticut for 2020.[42] The annual estimates for this sector in 2020 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 SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool), EIA SEDS 2020 industrial Mnemonic Series Name (MSN) DFICP data, and EIA SEDS 2020 commercial Mnemonic Series Name (MSN) DFCCP data provided a base distillate oil activity input of 26,250 E3GAL (625 E3BBL) for industrial and 43,008 E3GAL (1,024 E3BBL) for commercial/ institutional. This base activity was reduced by state point reconciliation activity of 142.45 E3GAL (3.39 E3BBL) for industrial and 23.18 E3GAL (0.55 E3BBL) for commercial/ institutional 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 25 of the 2020 NEI TSD.[43] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I 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

[42] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv
[43] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2023.

emission factor. EPA Nonpoint Methods Advisory Workgroup (NOMAD) regional and state discussions directed attention to properly representing distillate fuel consumption.

The EPA's ICI Combustion Wagon Wheel tool national default values for distillate boiler/engine split for industrial SCCs were modified by the State of Connecticut from 60%/40% to 90%/10%. The EPA indicated that states should update the given national defaults based on state specific evaluation. Accordingly, the State of Connecticut did not find the EPA default distillate boiler/ engine split values for industrial SCCs to be representative for Connecticut. The ICI Combustion tool input for the distillate boiler/engine split was evaluated several times during and before 2014 NEI development and, was extended to include consideration of a review of Massachusetts data to ensure a representative sample of smaller facilities were included in the inventory. Given this, Connecticut kept the 2020 ICI Combustion tool input default for the distillate boiler/engine split of 95%/5% for commercial and institutional SCCs, but revised the industrial SCC split to reflect 90%/10% for boilers and engines, respectively.[44]

The boiler engine split ratio is important because the NOx and particulate emissions factors for internal combustion reciprocating engine are significantly greater (ten to thirty times) than boiler emission factors. Internal combustion turbine NOx and particulate enission factors are greater than boiler emission factors but are far less than internal combustion reciprocating engine emission factors. The boiler engine fuel usage split issue has come up a number of times and will continue to be an important future concern because of significantly different emission factor profiles, 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.

A fuel sulfur limit of 15 ppm (0.0015%) by weight was used in the 2020 NEI when estimating ICI distillate oil emissions, which is consistent with Connecticut distillate oil fuel sulfur regulations for stationary sources presented in Table 19b-1 of RCSA § 22a-174-19b ,"Fuel sulfur content limitations for stationary sources". The allowed maximum fuel sulfur content has been reduced over the last several years, which has resulted in a significant decrese in SO_2 emissions. The most recent change was inacted on July 1st, 2018, which reduced the maximum allowed fuel sulfur limit from a sulfur limit of 500 ppm (0.05%) by weight to 15 ppm (0.0015%) by weight. Prior to this, the maximum fuel sulfur limit was reduced from 3000 ppm (0.3% by weight) to a 500 ppm (0.05% by weight) effective July 1, 2014. [45]

[44] NEI_2020_Wagon_Wheel_EFs_24mar2023.xlsx from the https://www.epa.gov/air-emissions-inventories/2020-air-emissions-data https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.epa.gov%2Fsystem%2Ffiles%2Fdocuments%2F2023-03%2FNEI_2020_Wagon_Wheel_EFs_24mar2023.xlsx&wdOrigin=BROWSELINK

[45] RCSA § 22a-174-19b. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-19b.

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 SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool), EIA SEDS 2020 industrial Mnemonic Series Name (MSN) RFICP data, and EIA SEDS 2020 commercial Mnemonic Series Name (MSN) RFCCP data provided a base residual oil activity of 0 E3GAL (0 E3BBL) for industrial and 462 E3GAL (11 E3BBL) for commercial/ institutional. Point reconciliation activity adjustments to avoid double counting of activity and emissions reported in the point sector were not required. For more information on the EPA emissions calculations, please refer to Section 25 of the 2020 NEI TSD, the 2020 Nonpoint Wagon Wheel, and the Wagon Wheel Emission Factor Compendium (xlsx).[46,47,48,49].

The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

Table 19b-1 of RCSA § 22a-174-19b,"Fuel sulfur content limitations for stationary sources", indicates that on or after July 1, 2018 the residual oil fuel sulfur limit was decreased to 3,000 ppm.[50] This 3000 ppm value corresponds to the default value (0.3% by weight) which was provided to EPA using the appropriate template and used by EPA in the ICI combustion tool.

Section 25 of the 2020 NEI TSD indicated that an error in the particulate matter (PM) emissions calculation tool that existed in prior tools was corrected, updating the formulas for $PM_{10\text{-}FIL}$ and $PM_{25\text{-}FIL}$ emissions from residual oil in the industrial and commercial/institutional sectors.

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 SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool), EIA SEDS 2020 industrial Mnemonic Series Name (MSN) NGICP data, and EIA SEDS 2020 industrial Mnemonic Series Name (MSN) NGCCP data

[46] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2023.
[47] Wagon Wheel 2020 v7 Final - SLT Inputs.zip from the 2020 Air Emissions Data | US EPA - https://www.epa.gov/air-emissions-inventories/2020-air-emissions-data website.
[48] NEI_2020_Wagon_Wheel_EFs_24mar2023.xlsx from the https://www.epa.gov/air-emissions-inventories/2020-air-emissions-data https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.epa.gov%2Fsystem%2Ffiles%2Fdocuments%2F2023-03%2FNEI_2020_Wagon_Wheel_EFs_24mar2023.xlsx&wdOrigin=BROWSELINK
[49] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv
[50] RCSA § 22a-174-19b.

provided a base natural gas activity of 23,109 MMCF for industrial and 52,482 MMCF for commercial/ institutional. This base activity was reduced by state point reconciliation activity of 10.774.7 MMCF for industrial and 4,194.6 MMCF for commercial / institutional 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 25 of the 2020 NEI TSD.[51].

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 SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool), EIA SEDS 2020 industrial Mnemonic Series Name (MSN) LGICP data, and EIA SEDS 2020 industrial Mnemonic Series Name (MSN) LGCCP data provided a base Liquified Petroleum Gas activity of 4,830 E3GAL (115 E3BBL) for industrial and 34,104 E3GAL (812 E3BBL) for commercial/ institutional. This base activity was reduced by state point reconciliation activity input of 54.849 E3GAL for industrial and 14.034 E3GAL for commercial/ institutional 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 25 of the 2020 NEI TSD.[52] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[51] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2023.
[52] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2023.

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 SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool), EIA SEDS 2020 industrial Mnemonic Series Name (MSN) WDICB data, and EIA SEDS 2020 industrial Mnemonic Series Name (MSN) WDCCB data provided a base wood combustion activity of 3,491 E9BTU (BBTU) for industrial and 933 E9BTU (BBTU) for commercial/ institutional activity. Point reconciliation activity adjustments to avoid double counting of activity and emissions reported in the point sector were not required. For more information on the fuel specific adjustments to EIA data, please refer to Section 25 of the 2020 NEI TSD.[53] The annual estimates for this sector in 2020 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

With the exception of sulfur oxide emission estimates, Connecticut accepts EPA's 2020 NEI ICI Kerosene Combustion emission estimates. The SEDS table within version 4.27.20 of the EPA's Wagon Wheel (ICI Combustion Tool), EIA SEDS 2020 industrial Mnemonic Series Name (MSN) KSICP data, and EIA SEDS 2020 industrial Mnemonic Series Name (MSN) KSCCP data provided a base Kerosene combustion activity of 798 E3GAL (19 E3BBL) for industrial and 168 E3GAL (4 E3BBL) for commercial/ institutional. Point reconciliation activity adjustments to avoid double counting of activity and emissions reported in the point sector were not applied. Point reported activity for jet engine testing were reported 2,407 E3GAL (57.4 E3BBL) but were conservatively not applied. For more information on the fuel specific adjustments to EIA data, please refer to Section 25 of the 2020 NEI TSD.[54] The annual estimates for this sector in 2020 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 modified EPA 2020NEI ICI Kerosene Combustion sulfur oxide emission estimates to consider Connecticut regulations. Table 19b-1 of RCSA § 22a-174-19b, "Fuel sulfur content limitations for stationary sources" specifies a 15 ppm fuel sulfur concentration. Emissions for kerosene effective 7/1/2018. [55]. EPA did not provide a template to provide this information for use in their estimations, which resulted in a 400-ppm sulfur fuel concentration being used in their emission estimates for industrial kerosene (SCC 21-02-011-000) and 500 ppm sulfur fuel concentration being used in their

[53] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2023. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section25_FuelComb_ICI.pdf
[54] U.S. Environmental Protection Agency, "Fuel Combustion (ICI)". 2023. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section25_FuelComb_ICI.pdf
[55] Conn. Gen. Stat. Sec. 22a-174-19b. "Fuel sulfur content limitations for stationary sources". https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-19b

emission estimates for Commercial/ Institutional kerosene (21-03-011-000).[56] The annual estimates for this sector in 2020 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 26 of the 2020 NEI TSD.[57] EIA SEDS Mnemonic Series Name (MSN) CLRCP also indicates zero for residential coal use in Connecticut.[58] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

4.1.3.2 Residential Distillate Oil Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-004-000	Stationary Source Fuel Combustion	Residential	Distillate Oil	Total Boilers and IC Engines

Connecticut accepts the EPA estimates for residential distillate oil combustion. Emissions estimates used an ultra-low sulfur concentration of 15 ppm for residential distillate oil. This is consistent with General Statutes of Connecticut §16a-21a(a)(2).[59] For more information on these estimates, please refer to Section 26 of the 2020 NEI TSD.[60] The annual estimates for this sector in 2020 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 2020 NEI activity data for the State of Connecticut was based on EIA SEDS Distillate Fuel Oil consumption data. EIA Mnemonic Series Name (MSN) DFRCP (Distillate fuel oil consumed by the residential sector) were estimated at 8,065 E3BBL or 338,730 E3GAL in 2020.[61]

[56] Wagon Wheel 2020 v7 Final - SLT Inputs.zip from the 2020 Air Emissions Data | US EPA - https://www.epa.gov/air-emissions-inventories/2020-air-emissions-data website.
[57] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section26_FuelComb_Res_NonWood.pdf
[58] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv
[59] Conn. Gen. Stat. Sec. 16a-21a. 2014. https://www.cga.ct.gov/current/pub/chap_296.htm#sec_16a-21a
[60] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2023. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section26_FuelComb_Res_NonWood.pdf
[61] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv

The EPA county allocation shown in Table 4-5 was provided through support files found in the 2020 NEI TSD sourced from the U.S. Census Bureau's American Community Survey 2017 CT County House Heating Fuel 5-year estimates (Fuel Oil, Kerosene, etc).[62]

Table 4-5: 2020 County Allocation of Residential Distillate Oil and Kerosene Consumption

County	EPA County Allocation
Fairfield	22.8%
Hartford	19.8%
Litchfield	7.7%
Middlesex	6.8%
New Haven	21.6%
New London	10.7%
Tolland	5.7%
Windham	4.8%

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 EPA estimate for combustion of residual oil in the residential sector for Connecticut or any other state.

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 26 of the 2020 NEI TSD.[63] The annual estimates for this sector in 2020 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 2020 NEI activity data for the State of Connecticut was based on EIA SEDS natural gas consumption data. EIA MSN NGRCP (Natural gas consumed by (delivered to) the residential sector) was estimated at 48,701 MMCF.[64]

The EPA county allocation shown in Table 4-6 was provided through support files found in the 2020 NEI TSD sourced from the U.S. Census Bureau's American Community Survey 2020 CT County House Heating Fuel 5-year estimates (Utility Gas).[65]

[62] U.S. Census Bureau. Table Code B25040. 2020. https://data.census.gov/cedsci/table?q=B25040&g=0100000US_0400000US09%240500000&y=2017&tid=ACSDT5Y2017.B25040

[63] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2023. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section26_FuelComb_Res_NonWood.pdf

[64] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv

[65] U.S. Census Bureau. Table Code B25040. 2020. https://data.census.gov/table?q=B25040&g=010XX00US_040XX00US09,09$0500000_050XX00US09001,09003,09005,09007,09009,09011,09013,09015&y=2020

Table 4-6: 2020 County Allocation of Residential Natural Gas Consumption

County	EPA County Allocation
Fairfield	28.3%
Hartford	34.7%
Litchfield	2.2%
Middlesex	2.1%
New Haven	27.1%
New London	3.1%
Tolland	1.6%
Windham	0.9

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 Liquified Petroleum Gas Combustion emissions estimates. For more information on these estimates, please refer to Section 26 of the 2020 NEI TSD.[66] The annual estimates for this sector in 2020 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 2020 NEI activity data for the State of Connecticut was based on EIA SEDS LPG consumption data, which indicated that 2,044 E3BBL (85,848 E3GAL) of LPG was consumed for residential use in 2020. [67] EIA data change descriptions indicated that a new MSN code of HLRCP (Hydrocarbon gas liquids consumed by the residential sector) and grouping starting in 2017. The former MSN used in previous inventories was LGRCP. The impact of the regrouping of the EIA fuel grouping is not clear, and Connecticut has adopted the EPA activity and emissions estimates.

The EPA county allocation shown in Table 4-7 was provided through support files found in the 2020 NEI TSD sourced from the U.S. Census Bureau's American Community Survey 2020 CT County House Heating Fuel 5-year estimates (Bottled, tank, or LP gas).[68]

Table 4-7: 2020 County Allocation of Residential LPG Consumption

County	EPA County Allocation
Fairfield	23.7%
Hartford	19.2%
Litchfield	8.1%
Middlesex	7.2%
New Haven	18.4%

[66] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2023. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section26_FuelComb_Res_NonWood.pdf

[67] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/seds-data-complete.php?sid=CT#Consumption also the following data link https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv

[68] U.S. Census Bureau. Table Code B25040. 2020 – Connecticut specific data link is as follows: https://data.census.gov/table?q=B25040&g=010XX00US_040XX00US09,09$0500000_050XX00US09001,09003,09005,09007,09009,09011,09013,09015&y=2020

New London	11.9%
Tolland	7.2%
Windham	4.4%

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
21-04-008-530	Stationary Source Fuel Combustion	Residential	Wood	Furnace: Indoor, pellet-fired, general
21-04-008-610	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: outdoor
21-04-008-620	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: indoor
21-04-008-630	Stationary Source Fuel Combustion	Residential	Wood	Hydronic heater: pellet-fired
21-04-008-700	Stationary Source Fuel Combustion	Residential	Wood	Outdoor wood burning device, NEC (fire-pits, chimneys, etc)
21-04-009-000	Stationary Source Fuel Combustion	Residential	Firelog	Total: All Combustor Types

Connecticut accepts the EPA Residential Wood Combustion emissions estimates. The EPA TSD noted that appliance fractions and burn rates are calculated at the county-level, consequently there was no need to allocate data to the county level for this category. For more information on these estimates, please refer to Section 27 of the 2020 NEI TSD.[69] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[69] U.S. Environmental Protection Agency, "Fuel Combustion (Residential-Wood)". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section27_RWC.pdf

4.1.3.7 Residential Kerosene Combustion

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
21-04-011-000	Stationary Source Fuel Combustion	Residential	Kerosene	Total: All Combustor Types

Connecticut accepts the EPA's 2020 NEI kerosene combustion emissions estimates. These estimates use a fuel sulfur concentration input of 15 ppm, please refer to Section 26 of the 2020 NEI TSD.[70] The annual estimates for this sector in 2020 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's fuel sulfur concentration input of 15 ppm is consistent with sulfur limits specified in Connecticut regulations. General Statutes of Connecticut §16a-21a(a)(2) specifies a fuel sulfur limit of 15 ppm residential heating distillate oil effective 7/1/2018.[71] Table 19b-1 of RCSA § 22a-174-19b, "Fuel sulfur content limitations for stationary sources" specifies a 15 ppm fuel sulfur concentration. Emissions for kerosene effective 7/1/2018. [72].

The EPA 2020 NEI activity data for the State of Connecticut was based on EIA SEDS kerosene consumption data. EIA MSN KSRCP (Kerosene consumed by the residential sector) were estimated at 11 E3BBL or 462 E3GAL. [73]

The 2020 NEI TSD describes the EPA county allocation percentages, shown in PEI Section 4.1.3.2 Table 4-5 entitled "2020 County Allocation of Residential Distillate Oil and Kerosene Consumption", as being developed from the U.S. Census Bureau's American Community Survey 2020 CT County House Heating Fuel 5-year estimates (Fuel Oil, Kerosene, etc). [74]

4.2 Storage & Transport (Gasoline and Fuel Distribution)

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

[70] U.S. Environmental Protection Agency, "Fuel Combustion (Residential)". 2023. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section26_FuelComb_Res_NonWood.pdf
[71] 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 [72] Conn. Gen. Stat. Sec. 22a-174-19b. "Fuel sulfur content limitations for stationary sources". https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-19b [73] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv
[72] Conn. Gen. Stat. Sec. 22a-174-19b. "Fuel sulfur content limitations for stationary sources". https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174_HTML/#_22a-174-19b [73] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv
[73] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2020*, (Full Consumption report CSV in Physical Units) https://www.eia.gov/state/seds/sep_use/total/csv/use_all_phy.csv
[74] U.S. Census Bureau. Table Code B25040. 2020. https://data.census.gov/table?q=B25040&g=010XX00US_040XX00US09,09$0500000_050XX00US09001,09003,09005,09007,09009,09011,09013,09015&y=2020

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.[75]

Stage 2 involves the emissions from refueling activities, which could include filling of onroad or nonroad vehicles at the gasoline station pump, filling of portable fuel containers (PFC) at the gasoline station pump, or transfer of fuel from the tanker trucks into general aviation aircraft.[76]

4.2.1 Bulk Plants and Bulk 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 terminal in 40 CFR § 63.11100 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". Similarly, a bulk gasoline plant is defined 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".[77]

Some of Section 18 of the 2020 NEI TSD apply to Connecticut nonpoint gasoline distribution data, but bulk plant and bulk terminal emissions were developed using an alternative method that is different from the EPA method. The Connecticut point emissions inventory does not have any current reported bulk plant SCC emissions 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 as point sources. Reported 2020 point source bulk terminal activity and emissions are summarized in Table H-8 and an estimate of bulk terminal emissions not reported as point sources 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 2020 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

[75] U.S. Environmental Protection Agency, "National Emission Standards for Source Categories: Gasoline Distribution (Stage I), 40 CFR Part 63." Office of Air Quality Planning and Standards, February 28, 1997. Pages 9087-9093. https://www.govinfo.gov/content/pkg/FR-1997-02-28/pdf/97-4885.pdf

[76] U.S. Environmental Protection Agency, "Nonpoint Gas". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section18_NP_GasDistribution.pdf

[77] 40 CFR § 63.11100.. https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.bbbbbb#se40.16.63_111100

Table 4-8: 2020 County-Level Aviation Gasoline Consumption Allocation [78]

County Name	County-Level AvGas Consumption [gal]	SEDS State AvGas Consumption [gal]
Fairfield	176,571	798,000
Hartford	210,168	798,000
Litchfield	63,009	798,000
Middlesex	38,027	798,000
New Haven	117,766	798,000
New London	78,069	798,000
Tolland	59,354	798,000
Windham	55,036	798,000
Total	798,000	

Connecticut accepts the EPA Stage 1 and 2 Aviation Gasoline emission estimates.[79] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

As shown in Table 4-8: County-Level Aviation Gasoline Consumption Allocation (2020) Table 4-8, the EPA 2020 NEI activity data for the State of Connecticut was based on CSV zip file data from EIA SEDS data set for Consumption SEDS in years 1960-Present.

Stage I distribution for aviation gasoline pertains to the displacement vapors between tank trucks and storage tanks during transfer; whereas Stage 2 distribution involves the transfer of fuel from tanker trucks into general aviation aircraft. The calculations for estimating emissions from stage 1 and 2 aviation gasoline distribution involve first estimating the amount of aviation gasoline consumed in each county based on state-level aviation gasoline consumption data from the Energy Information Administration (EIA). State-level aviation gasoline consumption is then distributed to the counties based on the proportion of Landing-Take Offs (LTOs) for piston driven aircraft. The total amount of gasoline consumed was used to estimate VOC and lead emissions. [80] For more information on these estimates, please refer to Section 18 of the 2020 NEI TSD.

The 2020 methodology included no significant changes from the 2017 methodology used to calculate the emissions from aviation gasoline distribution. [81]

[78] U.S. Energy Information Administration, "Consumption", *State Energy Data System (SEDS): 1960-2023*, (Full Consumption report CSV in Physical Units)
[79] U.S. Environmental Protection Agency, "Nonpoint Gas". 2023.
[80] U.S. Environmental Protection Agency, "Nonpoint Gas". 2023.
[81] U.S. Environmental Protection Agency, "Nonpoint Gas". 2023.

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 changes, please refer to Section 18 of the 2020 NEI TSD.[82]

The annual estimates for this sector in 2020 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 calculations for estimating VOC and HAP emissions from gasoline service station unloading involve first calculating county-level total gasoline consumption by summing monthly onroad gasoline consumption and nonroad gasoline consumption in each county by fuel subtype. Monthly county-level gasoline consumption is then allocated to submerged, splash, and balanced filling technologies based on assumptions about the percentage of each filling technology used in each county. [83] Connecticut estimates used a conservative assignment of 5% submerged filling, 0% splash filling, and 95% balanced submerged filling. A conservative assignment of technology was used because the exact throughput of the limited number of small gasoline dispensing facilities is difficult to obtain. Connecticut regulation RCSA § 22a-174-20(a)(5) essentially requires submerged filling for all stationary-gasoline dispensing stations and RCSA § 22a-174-30a requires balanced submerged filling for any gasoline dispensing station with throughput over 10,000 gallons per month. [84,85]

The methodology for estimating Stage I gasoline distribution throughput activity was updated to use MOVES in 2020 NEI, where the 2017 NEI used 2008 NMIM runs performed by E.H. Pechan and Associates, Inc. for Laurel Driver, U.S. Environmental Protection Agency, Office of Transportation Air Quality. [86]

[82] U.S. Environmental Protection Agency, "Nonpoint Gas". 2023.
[83] U.S. Environmental Protection Agency, "Nonpoint Gas". 2023.
[84] RCSA § 22a-174-20(a)(5). 2020. https://casetext.com/regulation/connecticut-administrative-code/title-22a-environmental-protection/abatement-of-air-pollution/section-22a-174-20-control-of-organic-compound-emissions.
[85] RCSA § 22a-174-30a. 2015. https://eregulations.ct.gov/eRegsPortal/Browse/RCSA/Title_22aSubtitle_22a-174Section_22a-174-30a.

4.2.4 Gas Stations - Stage II and Other 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
22-03-00-0062	Mobile Sources	Highway Vehicles - Compressed Natural Gas (CNG)	Refueling	Total Spillage and Displacement
22-04-00-0062	Mobile Sources	Highway Vehicles - Liquefied Petroleum Gas (LPG)	Refueling	Total Spillage and Displacement
22-05-00-0062	Mobile Sources	Highway Vehicles - Ethanol (E-85)	Refueling	Total Spillage and Displacement
22-09-00-0062	Mobile Sources	Highway Vehicles - Electricity	Refueling	Total Spillage and Displacement

Connecticut Stage II gasoline emissions (SCC 22-01-00-0062) were estimated using Connecticut specific MOVES ONROAD runs for the 2020 PEI with consideration for point source reconciliation. The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2. NONROAD refueling emissions are not provided dedicated refueling SCCs and NONROAD refueling emission estimates are included in NONROAD emission estimates.

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. The Connecticut (CT) specific MOVES ONROAD runs are described in Section 3.1 of the PEI document. The CT specific MOVES runs estimated non-zero ONROAD diesel refueling VOC emission estimate (SCC 22-02-00-0062) and a zero Ethanol (E-85) refueling VOC emission estimate (SCC 22-05-00-0062). The CT specific MOVES run did not provide explicit ONROAD Compressed Natural Gas (SCC 22-03-00-0062), ONROAD Liquefied Petroleum Gas (SCC 22-04-00-0062), and ONROAD Electric Vehicle (SCC 22-09-00-0062) emission estimates, so zero emission entries were assigned for the SCCs not provided explicit emission estimates.

The requirement for Stage II gasoline vehicle fueling controls at the pump were eliminated in Connecticut by Public Act No. 13-120 on June 18, 2013 and became effective immediately.[87] 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. Because Stage II controls were either removed or not tested. MOVES defaults now include the proper Connecticut *refuelingVaporProgramAdjust* and *refuelingSpillProgramAdjust* inputs in the MOVES4.0.1 countyyear table to correspond to no Stage II program (i.e., "0" for both fields) for each Connecticut county in 2020. So the method to "turn-off" Stage II controls consistent with guidance provided in Section 4.15 of the MOVES4 Technical Guidance is no longer needed. [88]

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

[88] U.S. Environmental Protection Agency. *MOVES4 Technical Guidance*. "MOVES4 Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity", *EPA-420-B-23-011*, August 2023

Table 4-9 contains the VOC annual and typical ozone season day emissions from Stage II gasoline vehicle fueling and diesel vehicle fueling after applying point source subtraction. Diesel and gasoline summer day and annual refueling emissions were obtained from the CT DEEP specific MOVES4.0.1 model runs. Only the Stage II refueling gasoline emissions (SCC SCC 22-01-00-0062**)** had overlap with point source emission reporting (SCC 4-06-004-02). Table 4-10 presents point source subtraction applied to obtain the results presented in Table 4-9. CT DEEP specific MOVES4.0.1 refueling emissions are greater than those estimated using MOVES3 and used for SCC 22-02-00-0062 NEI2020 emissions estimation method.

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 to refueling emission estimates and only the gasoline SCC 22-01-00-0062 needed to be adjusted for point source emissions for four facilities that reported point source Stage II emissions in 2020. Stage II refueling remains in Section 4 Stationary Area Sources of this document and not as a mobile source, because Stage II refueling is at a stationary nonpoint source that is assigned to the Gas Stations sector, that is estimated by the mobile model (MOVES4.0.1).

Table 4-9: 2020 Summary of Updated Nonpoint Vehicle Refueling Emissions (Point Reconciliation Included)

County Name	Gasoline Stage II Refueling SCC 22-01-00-0062		Diesel 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	247.91	1,511.97	13.97	87.35
Hartford	252.93	1,559.39	14.78	92.38
Litchfield	47.75	298.15	2.39	15.07
Middlesex	56.55	347.91	3.32	20.78
New Haven	247.22	1,521.11	14.99	93.71
New London	80.1	499.92	5.22	32.69
Tolland	49.88	312.05	3.69	23.13
Windham	30.7	191.32	2.14	13.43
Statewide Total	1,013.04	6,241.84	60.5	378.55

Table 4-10: 2020 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	0.029	0.166
Litchfield	4-06-004-02	0	0
Middlesex	4-06-004-02	0.001	0.004
New Haven	4-06-004-02	0	0
New London	4-06-004-02	1.713	7.165
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 18 of the 2020 NEI TSD.[89] The annual estimates for this sector in 2020 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 2020 NEI activity data and apportionment for the State of Connecticut is also described in Section 18 of the 2020 NEI TSD. The methodology for estimating truck transit Stage I gasoline distribution throughput activity was updated to use MOVES in 2020 NEI, where the 2017 NEI used 2008 NMIM runs performed by E.H. Pechan and Associates, Inc. for Laurel Driver, U.S. Environmental Protection Agency, Office of Transportation Air Quality. [90]

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)
25-01-011-014	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Refilling at the Pump -Vapor Displacement
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)
25-01-012-014	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Refilling at the Pump -Vapor Displacement

Portable fuel containers (PFC) are used for storage and transport of gasoline. PFC related emission processes include vapor displacement and spillage while refueling the gas can at the pump, spillage during transport, permeation and evaporation from the gas can during transport and storage, and vapor displacement and spillage while refueling equipment. Vapor displacement and spillage while refueling nonroad equipment from PFCs are included in the nonroad inventory.

Connecticut accepts the EPA Portable Fuel Containers emissions estimates. For more information on these estimates, please refer to Section 14 of the 2020 NEI TSD. [91] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[89] U.S. Environmental Protection Agency, "Nonpoint Gas". 2023.
[90] U.S. Environmental Protection Agency, "Nonpoint Gas". 2023.
[91] U.S. Environmental Protection Agency, "Portable Fuel Containers". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section14_PFCs.pdf

Changes in the 2020 NEI include the following:

- Inventories for the 2017 NEI were based on gasoline volumes for year 2018 using the NONROAD2005 estimates. Adjustments in the PFC emissions estimates accounted for the differences in gasoline volumes in MOVES3 versus NONROAD2005. MOVES3 was run to estimate nonroad fuel consumption for year 2020, and the adjustments were applied between 2018 and 2020 MOVES3 consumption estimates. [92]
- Several nonpoint SCCs included in the 2017 NEI for Portable Fuel Containers were not included in the 2020 NEI. These SCCs pertain to vapor displacement and spillage while refueling nonroad equipment from PFCs, and spillage during transport and at the pump are included in the nonroad inventory. These nonpoint SCCs are provided in the list below. [93]

Source Classification Code	Nonpoint SCC that are covered by Nonroad Emission Estimates in the 2020 NEI (Use of these SCCs in prior inventories may have introduced a double counting concern)			
	Level 1	Level 2	Level 3	Level 4
25-01-011-013	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Spillage During Transport
25-01-011-015	Storage and Transport	Petroleum and Petroleum Product Storage	Residential Portable Gas Cans	Refilling at the Pump -Spillage
25-01-012-013	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Spillage During Transport
25-01-012-015	Storage and Transport	Petroleum and Petroleum Product Storage	Commercial Portable Gas Cans	Refilling at the Pump -Spillage

Key references for EPA Portable Fuel Container Emissions Factors include 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. [94, 95, 96]

[92] U.S. Environmental Protection Agency, "Portable Fuel Containers". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section14_PFCs.pdf
[93] U.S. Environmental Protection Agency, "Portable Fuel Containers". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section14_PFCs.pdf
[94] U.S. Environmental Protection Agency, "Estimating Emissions Associated with Portable Fuel Containers (PFCs)", *EPA420-R-07-001*, https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P1004LMT.txt.
[95] U. S. Environmental Protection Agency, 2011, "Hydrocarbon Composition of Gasoline Vapor Emissions from Enclosed Fuel Tanks", *EPA-420-R-11-018.* EPA Docket EPA-HQ-OAR-2011-0135, https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P100GPED.txt
[96] U. S. Environmental Protection Agency, 2010, "Evaporative Emissions from In-Use Vehicles: Test Fleet Expansion", *CRC E-77-2b*, https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P100XCJC.txt

4.3 Solvent Utilization

Section 32 of the EPA 2020 NEI TSD covers all nonpoint solvent utilization sources except for asphalt paving which is covered in Section 31 of the EPA 2020 NEI TSD.[97,98] With the exception of agricultural pesticide solvent use, which is covered in Section 4.4.5 of this document, nonpoint solvent utilization sources are addressed in subsections of this Section 4.3.

Solvent utilization emissions are largely based on estimates of national-level usage and allocated to the county-level using more geographically specific sources of data. Product usage of each SCC is preferentially estimated using economic statistics from the U.S. Census Bureau's Annual Survey of Manufacturers, commodity prices from the U.S. Department of Transportation's 2012 Commodity Flow Survey and the U.S. Census Bureau's Paint and Allied Products Survey, and producer price indices, which scale commodity prices (e.g., 2012) to target years (e.g., 2020) and are retrieved from the Federal Reserve Bank of St. Louis. If any of the datasets are unavailable, default usage estimates will be derived using functional solvent usage statistics reported by The Freedonia Group or sales quantities reported in a California Air Resources Board (CARB) California-specific survey. The composition of products will be estimated by generating composites from CARB surveys and profiles reported in the U.S. EPA's SPECIATE database. Emissions are subsequently estimated using a framework that considers product composition, timescales of product usage, and timescales of evaporation for individual components. [99]

Since emissions from solvent utilization occur from both point and nonpoint SCCs, point source subtraction is required to ensure emissions from this sector are not double counted. To accomplish this task, nonpoint SCCs must be mapped to corresponding point SCCs. This crosswalk can be found on the Nonpoint Methods Advisory (NOMAD) Sharepoint. [100] 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 which included point reconciliation data provided by Connecticut.

[97] U.S. Environmental Protection Agency, "Solvents-Ashphalt Paving". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf.
[98] U.S. Environmental Protection Agency, "Solvents. 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf
[99] U.S. Environmental Protection Agency, "Solvents". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf
[100] U.S. Environmental Protection Agency, "Solvents". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf

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

Connecticut accepts EPA's degreasing solvent use emission estimates. For more information on these estimates, please refer to Section 32 of the 2020 NEI TSD.[101]

EPA nonpoint solvent – degreasing emission estimates were adjusted to reconcile point emissions reported for the six Connecticut Counties and sum-total reported point source emissions identified in Appendix H Table H-12. Appendix H Table H-10 and Table H-11 provide details related to the values presented in Appendix H Table H-12.

County level employment for NAICS 331///, 332///, 333///, 334///, 335///, 336///, 337///, 339///, 441///, 483///, 484///, and 485/// (where slash (/) denotes a Census Bureau County Business Pattern placeholder wildcard), was used to allocate emissions to Connecticut counties. Applicable county allocation values are shown in the table below.

Table 4-11: 2020 County Allocation (Degreasing Solvents)

County	SCC 24-15-000-000 County Allocation
Fairfield	22.1%
Hartford	35.1%
Litchfield	4.8%
Middlesex	6.0%
New Haven	17.1%
New London	10.4%
Tolland	2.6%
Windham	2.1%

Substantial methodological changes to estimate emissions from solvents were made for the 2020 NEI, where a new framework was used that included organic aerosol (SOA). Solvent – degreasing was not specifically called out as using this new framework (VOCy framework) in the underlying reference supporting Section 32 of the 2020 NEI TSD emission estimates.[102]

[101] U.S. Environmental Protection Agency, "Solvents". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf

[102] Seltzer, K. M., Pennington, E., Rao, V., Murphy, B. N., Strum, M., Isaacs, K. K., and Pye, H. O. T.: Reactive organic carbon emissions from volatile chemical products, Atmos. Chem. Phys., 21, 5079–5100, https://doi.org/10.5194/acp-21-5079-2021, 2021. Note: emissions model is available and updated at https://github.com/USEPA/VCPy.

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

Connecticut accepts EPA's dry cleaning solvent use emission estimates. For more information on these estimates, please refer to Section 32 of the 2020 NEI TSD.[103] The annual estimates for this sector in 2020 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 dry cleaning and oil and gas product usage estimates are derived from the national-level solvent mass usage reported by an industry study (The Freedonia Group, 2016).[104] No point source reconciliation is needed for this SCC.

County level employment for NAICS 812320 was used to allocate emissions to Connecticut counties. Applicable county allocation values are shown in the table below.

Table 4-12: 2020 County Allocations (Dry Cleaning Solvents)

County	SCC 24-20-000-000 County Allocation
Fairfield	35.1%
Hartford	16.0%
Litchfield	4.1%
Middlesex	3.8%
New Haven	21.3%
New London	14.2%
Tolland	4.7%
Windham	0.8%

Substantial methodological changes to estimate emissions from solvents were made for the 2020 NEI, where a new framework was used that included organic aerosol (SOA). Solvent – dry cleaning was specifically called out as using emission factors generated using a new framework (VOCy framework) in the underlying reference supporting Section 32 of the 2020 NEI TSD emission estimates.[105]

[103] U.S. Environmental Protection Agency, "Solvents". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf

[104] Seltzer, K. M., Pennington, E., Rao, V., Murphy, B. N., Strum, M., Isaacs, K. K., and Pye, H. O. T.: Reactive organic carbon emissions from volatile chemical products, Atmos. Chem. Phys., 21, 5079–5100, https://doi.org/10.5194/acp-21-5079-2021, 2021. Note: emissions model is available and updated at https://github.com/USEPA/VCPy.

[105] U.S. Environmental Protection Agency, "Solvents". 2023. March 2023 Release of the 2020 NEI Technical Support Document. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf

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

Connecticut accepts EPA's graphic arts solvent use emission estimates. For more information on these estimates, please refer to Section 32 of the 2020 NEI TSD.[106] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

EPA nonpoint solvent – graphic arts emission estimates were adjusted to reconcile point emissions reported for Hartford County and the associated sum-total reported point source reported emissions identified in Appendix H Table H-12. Appendix H Table H-10 and Table H-11 provide details related to the values presented in Appendix H Table H-12.

County level employment for NAICS 32311/, 32221/, 32222/, 32223/, and 322299 (where slash (/) denotes a Census Bureau County Business Pattern placeholder wildcard), was used to allocate emissions to Connecticut counties. Applicable county allocation values are shown in the table below.

Table 4-13: 2020 County Allocations (Graphic Arts Solvents)

County	SCC 24-25-000-000 County Allocation
Fairfield	29.6%
Hartford	34.0%
Litchfield	3.7%
Middlesex	0.5%
New Haven	20.8%
New London	5.7%
Tolland	1.6%
Windham	4.1%

Substantial methodological changes to estimate emissions from solvents were made for the 2020 NEI, where a new framework was used that included organic aerosol (SOA). Solvent – graphic arts was specifically called out as using emission factors generated using California Air Resources Board's Surveys and the new framework (VOCy framework) in the underlying reference supporting Section 32 of the 2020 NEI TSD emission estimates.[107]

[106] U.S. Environmental Protection Agency, "Solvents". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf

[107] Seltzer, K. M., Pennington, E., Rao, V., Murphy, B. N., Strum, M., Isaacs, K. K., and Pye, H. O. T.: Reactive organic carbon emissions from volatile chemical products, Atmos. Chem. Phys., 21, 5079–5100, https://doi.org/10.5194/acp-21-5079-2021, 2021. Note: emissions model is available and updated at https://github.com/USEPA/VCPy.

4.3.4 Solvent – Consumer & Commercial Solvent Use

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
24-60-030-999	Solvent Utilization	Miscellaneous Non-industrial: Consumer and Commercial	Lighter Fluid, Fire Starter, Other Fuels	Total: All Solvent Types
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

Connecticut accepts EPA's Consumer & Commercial Solvent Use emission estimates. For more information on these estimates, please refer to Section 32 of the 2020 NEI TSD.[108] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

County level population data were used to allocate miscellaneous non-industrial: consumer and commercial solvent utilization emissions to Connecticut counties.

Table 4-14: 2020 County Allocations (Miscellaneous Non-industrial: Consumer and Commercial Solvent Utilization)

County	SCC 24-60-030-999, 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	26.5%
Hartford	25.0%
Litchfield	5.0%
Middlesex	4.5%
New Haven	24.0%
New London	7.5%
Tolland	4.2%
Windham	3.3%

Substantial methodological changes to estimate emissions from solvents were made for the 2020 NEI, where a new framework was used that included organic aerosol (SOA). Consumer & commercial solvent use was specifically called out

[108] U.S. Environmental Protection Agency, "Solvents". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf

as using emission factors generated using using California Air Resources Board's Surveys and the new framework (VOCy framework) in the underlying reference supporting Section 32 of the 2020 NEI TSD emission estimates.[109]

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

[109] Seltzer, K. M., Pennington, E., Rao, V., Murphy, B. N., Strum, M., Isaacs, K. K., and Pye, H. O. T.: Reactive organic carbon emissions from volatile chemical products, Atmos. Chem. Phys., 21, 5079–5100, https://doi.org/10.5194/acp-21-5079-2021, 2021. Note: emissions model is available and updated at https://github.com/USEPA/VCPy.

Connecticut opted to accept the 2020 EPA Industrial Surface Coating & Solvent Use emissions estimates. EPA estimates are documented in Section 32 of the 2020 NEI TSD.[110] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

EPA nonpoint industrial surface coating & solvent use emission estimates were adjusted to reconcile point emissions reported for the Connecticut Counties and sum-total reported point source emissions identified in Appendix H Table H-12 Appendix H Table H-10and Table H-11 provide details related to the values presented in Appendix H Table H-12.

The method used to allocate state emission estimated to a county level is identified in the Table 4-15 below and the resulting allocation factors used in EPA 2020 NEI shown in the Table 4-16. Processing of census employment data includes a gap filling step, which is further explained in Section 32 of the 2020 NEI TSD.[111]

Table 4-15: 2020 Surface Coating Solvent Utilization SCC County Allocation Method

SCC	Solvent Tool Source Category Name	Allocation Method **
24-01-001-000	Architectural Coatings	Population
24-01-005-000	Automobile Refinishing	Employment NAICS 4411//, 4412//, and 81112/
24-01-008-000	Traffic Markings	County-level paved vehicular miles traveled
24-01-015-000	Factory Finished Wood	Employment NAICS 321///
24-01-020-000	Wood Furniture	Employment NAICS 337110, 337121, 337122, 337127*, 337211, 337212, and 337215*
24-01-025-000	Metal Furniture	Employment NAICS 337124, 337127*, 337214, and 337215*
24-01-030-000	Paper	Employment NAICS 322220
24-01-040-000	Metal Cans	Employment NAICS 33243/
24-01-055-000	Machinery and Equipment	Employment NAICS 333///
24-01-060-000	Large Appliances	Employment NAICS 3352//
24-01-065-000	Electronic and Other Electrical Coatings	Employment NAICS 331318, 3314//, 33592/, and 335311
24-01-070-000	Motor Vehicles	Employment NAICS 3361//, 3362//, and 3363//, and 3369//
24-01-075-000	Aircraft	Employment NAICS 3364//
24-01-080-000	Marine coatings	Employment NAICS 3366//
24-01-085-000	Railroads	Employment NAICS 3365//
24-01-090-000	Misc. Manufacturing	Employment NAICS 339///
24-01-100-000	Industrial Maintenance Coatings	Population
24-01-200-000	Other Special Purpose Coatings	Population

* Employment data is split evenly between Wood Furniture and Metal Furniture.

** A / instead of a number in North American Industrial Classification Standard (NAICS) code represents a census bureau county business pattern placeholder wildcard value.

[110] U.S. Environmental Protection Agency, "Solvents". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf

[111] U.S. Environmental Protection Agency, "Solvents". 2023.

Table 4-16: 2020 County Allocations (Surface Coating Solvent Utilization)

County	County Allocation of SCCs 24-01-XXX-000 [%]															
	001, 100, 200	005	008	015	020	025	030	040	055	060	065	070	075	080	085	090
Fairfield	26.5	24.6	26.5	17.6	17.0	7.1	2.5	0.0	26.2	0.0	21.2	8.5	31.6	1.9	0.0	23.8
Hartford	25.0	28.2	25.0	20.1	55.1	36.6	33.3	31.6	40.0	0.0	12.9	21.0	56.9	0.0	0.0	21.1
Litchfield	5.0	5.9	5.0	6.6	6.3	3.3	2.5	0.0	3.1	100.0	2.0	31.6	0.0	0.0	50.0	6.4
Middlesex	4.5	3.8	4.5	0.0	1.5	0.0	0.0	31.6	6.8	0.0	2.8	18.9	8.5	0.2	0.0	1.7
New Haven	24.0	22.8	24.0	30.2	14.8	45.7	17.1	31.6	13.8	0.0	32.2	19.5	1.7	0.4	50.0	26.3
New London	7.5	8.1	7.5	5.8	2.8	7.1	15.0	0.0	4.1	0.0	6.0	0.4	0.2	97.5	0.0	2.0
Tolland	4.2	4.1	4.2	5.7	1.8	0.0	0.0	5.3	4.7	0.0	1.1	0.2	0.0	0.0	0.0	16.2
Windham	3.3	2.6	3.3	14.0	0.7	0.0	0.0	0.0	1.3	0.0	21.8	0.0	1.2	0.0	0.0	2.3
Statewide	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Emissions from traffic markings (2401008000) were previously allocated from the national-level to the state-level using data from the U.S. Department of Transportation's Federal Highway Administration, and from the state-level to the county-level using population data. For the 2020 NEI and beyond, national-level allocation methods for traffic markings utilize estimates of county-level paved vehicular miles traveled, which is consistent with the methods employed for asphalt paving. This update assumes application of traffic markings is correlated with pavement of roads.

Substantial methodological changes to estimate emissions from solvents were made for the 2020 NEI, where a new framework was used that included organic aerosol (SOA). Surface coating and solvent utilizationwas specifically called out as using emission factors generated using California Air Resources Board's Surveys and the new framework (VOCy framework) in the underlying reference supporting Section 32 of the 2020 NEI TSD emission estimates.[112]

[112] Seltzer, K. M., Pennington, E., Rao, V., Murphy, B. N., Strum, M., Isaacs, K. K., and Pye, H. O. T.: Reactive organic carbon emissions from volatile chemical products, Atmos. Chem. Phys., 21, 5079–5100, https://doi.org/10.5194/acp-21-5079-2021, 2021. Note: emissions model is available and updated at https://github.com/USEPA/VCPy.

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
24-61-025-100	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Asphalt Paving: Hot and Warm Mix	Hot Mix Total: All Solvent Types
24-61-025-200	Solvent Utilization	Miscellaneous Non-industrial: Commercial	Asphalt Paving: Hot and Warm Mix	Warm Mix Total: All Solvent Types

Connecticut accepts the EPA asphalt emissions estimates. For more information on these estimates, please refer to Section 31 of the 2020 NEI TSD.[113] Connecticut 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.[114] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2

Updates for the 2020 NEI asphalt emission estimates include methodological updates, as well as changes to activity data and emission factors. Methodological updates include emission estimates from heated paving applications (i.e., hot-mix and warm-mix asphalt application). Updated activity data for previously considered processes (i.e., cutback and emulsified asphalt application) and activity data for new processes are both generated from usage data reported by the Asphalt Institute[115] and allocated by process and state using data from the National Asphalt Pavement Association.[116] Further allocation to the county-level is performed using estimates of vehicle miles traveled on paved surfaces, which is generated using data from the U.S. EPA's MOVES model and data from the Federal Highway Administration.[117] Emission factors for each asphalt process now span both application and postapplication time periods.[118]

[113] U.S. Environmental Protection Agency, "Solvents-Ashphalt Paving". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf.
[114] 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
[115] 2020 Asphalt Usage Survey for the United States and Canada. The Asphalt Institute, Lexington, KY.
[116] Williams, B.A., J.R. Willis, & Shacat, J. (2021). Annual Asphalt Pavement Industry Survey on Recycled Materials and Warm-Mix Asphalt Usage: 2020, 11th Annual Survey (IS 138). National Asphalt Pavement Association, Greenbelt, Maryland. doi:10.13140/RG.2.2.14846.46409.
[117] U.S. Department of Transportation, Federal Highway Administration, Functional System Length, Table HM-51 – Highways Statistics 2020.
[118] Khare, P., Machesky, J., Soto, R., He, M., Presto, A.A., Gentner, D.R., Asphalt-related emissions 31-8 are a major missing nontraditional source of secondary organic aerosol precursors. Science Advances, 6, 35, doi:10.1126/sciadv.abb9785.

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
28-05-100-010	Miscellaneous Area Sources	Agriculture Production - Livestock	Dust kicked up by Livestock	Beef cattle - finishing operations on feedlots (drylots)
28-05-100-020	Miscellaneous Area Sources	Agriculture Production - Livestock	Dust kicked up by Livestock	Dairy Cattle
28-05-100-030	Miscellaneous Area Sources	Agriculture Production - Livestock	Dust kicked up by Livestock	Broilers
28-05-100-040	Miscellaneous Area Sources	Agriculture Production - Livestock	Dust kicked up by Livestock	Layers
28-05-100-050	Miscellaneous Area Sources	Agriculture Production - Livestock	Dust kicked up by Livestock	Swine
28-05-100-060	Miscellaneous Area Sources	Agriculture Production - Livestock	Dust kicked up by Livestock	Turkeys

Connecticut opted to accept the 2020 EPA Crop (agricultural tilling) and Livestock emissions estimates. EPA estimatesare documented in Section 16 of the 2020 NEI TSD.[119] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2

Fugitive dust emissions from agricultural tilling include the airborne soil particulate emissions produced during the preparation of agricultural lands for planting. Dust kicked up by animals refers to the dust emitted from different types of livestock feet. These emissions are primarily considered to be made by cattle and swine, but poultry emissions of dust are also examined. Fugitive dust emissions from both agricultural tilling and livestock feet are estimated for PM10-PRI, PM10-FIL, PM25-PRI, and PM25-FIL. Since there are no PM-CON emissions for this category, PM10-PRI emissions are equal to PM10-FIL emissions and PM25-PRI emissions are equal to PM25-FIL. [120]

[119] U.S. Environmental Protection Agency, "Agriculture-Crop and Livestock Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section16_AgCrops_LivestockDust.pdf

[120] U.S. Environmental Protection Agency, "Agriculture-Crop and Livestock Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section16_AgCrops_LivestockDust.pdf

The basis of agricultural tilling emission estimates is the number of acres of crops tilled in each county by crop type and tillage type. EPA indicated that data was obtained from the 2017 Census of Agriculture developed by the United States Department of Agriculture.[121]. See Section 16 of the 2020 NEI TSD for further information.

The activity data for this dust kicked up by animals is based on livestock counts (average annual number of standing head) and population information by state and county used to develop U.S. EPA's Greenhouse Gas Inventory.[122] See Section 16 of the 2020 NEI TSD for further information.

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
28-05-010-100	Miscellaneous Area Sources	Agriculture Production-Livestock	Poultry production - turkeys	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)
28-05-035-000	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

[121] U.S. Department of Agriculture. 2017 Census of Agriculture. https://www.nass.usda.gov/Publications/AgCensus/2017/index.php
[122] U.S. EPA. 2018. Inventory of Greenhouse Gas Emissions and Sinks, 1990-2016. Chapter 5.2, Manure Management. EPA 430-R-18-003

Connecticut accepts the EPA Livestock Waste emissions estimates. For more information on these estimates, please refer to Section 10 of the 2020 NEI TSD.[123] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2

Many of the methods and data described for this sector mirror exactly what was done in the 2017 NEI, except that 2020 information was used and the Carnegie Mellon University (CMU) Finite Element Method (FEM) model was run for 2020. The changes of the methodology for 2020 NEI are described in detail in Section 10.3.2 of the 2020 EPA NEI TSD.[124] Some key factors that influenced emissions estimate changes are listed below:

- Estimating NH_3 emissions for 2020 NEI with a working computer code.
- Enhanced the FEM modeling system to accept the spatially and temporallyenhanced local meteorology.
- Improvements in the practices of farm manure management.
- Continued usage of the dataset, National Air Emissions Monitoring Study (NAEMS), to fine tune the modeling for the development of emission estimates.

Per the 2020 NEI TSD, the activity data for this source category is based on livestock counts (average annual number of standing heads) and population information by state and county used to develop U.S. EPA's Greenhouse Gas (GHG) Inventory.[125] This data set is derived from multiple data sets from the United States Department of Agriculture (USDA), particularly the National Agricultural Statistics Service (NASS) survey and census.[126] The USDA NASS survey dataset, which represents the latest available, 2020 national livestock data, is used to obtain the livestock counts for as many counties as possible across the United States. For a full description of the GHG livestock population estimation methodology, the reader should refer to the referenced citation for the EPA's GHG inventory document.[127]

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. The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

[123] U.S. Environmental Protection Agency, "Agriculture- Livestock Waste". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section10_AgLivestockWaste.pdf
[124] U.S. Environmental Protection Agency, "Agriculture- Livestock Waste". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section10_AgLivestockWaste.pdf
[125] Inventory of Greenhouse Gas Emissions and Sinks, 1990-2020. Chapter 5.2, Manure Management. EPA 430-R-18-003. https://www.epa.gov/system/files/documents/2022-04/us-ghg-inventory-2022- main-text.pdf
[126] United States Department of Agriculture National Agricultural Statistics Service Quick Stats. https://quickstats.nass.usda.gov/
[127] Inventory of Greenhouse Gas Emissions and Sinks, 1990-2020. Chapter 5.2, Manure Management. EPA 430-R-18-003. https://www.epa.gov/system/files/documents/2022-04/us-ghg-inventory-2022- main-text.pdf

The only substantial improvement/change for the 2020 NEI applies to ammonia emissions estimatation. These improvements/changes are described in section 9.3.4 of EPA's 2020 NEI TSD. For more information on these fertilizer application estimates, please refer to Section 9 of the 2020 NEI TSD.[128]

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
28-01-500-160	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Field Crop is Cotton: Burning Techniques Not Important
28-01-500-171	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Fallow
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
28-01-500-264	Miscellaneous Area Sources	Agriculture Production-Crops-as nonpoint	Agricultural Field Burning-whole field set on fire	Double Crop Winter Wheat and Soybeans

Connecticut accepts the EPA agricultural field burning estimates of zero emissions, which reflects the State of Connecticut's prohibition of field burning For more information on these estimates, please refer to Section 7 of the 2020 NEI TSD.[129] The annual estimates for this sector in 2020 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 of burning a whole field as described in the EPA SCCs and 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

[128] U.S. Environmental Protection Agency, "Agriculture-Fertilizer". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section9_AgFertilizerApplication.pdf
[129] U.S. Environmental Protection Agency, "Fire-Agricultural Field Burning". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section7_Fires.pdf

is obtained from the Open Burning Official for that municipal, except if prohibited by an ordinance of the municipality. [130] All agricultural burning that occurs in Connecticut are accounted for in this document under Section 4.9.2 Open Burning.

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 32 of the 2020 NEI TSD.[131] The annual estimates for this sector in 2020 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 only change in methodology for Section 32 in the 2020 NEI is in the emissions from agricultural pesticides (24-61-850-000) that are now being estimated using the updated emission factor generation methods, eliminating the need for a separate tool.

4.4.6 Agricultural Silage

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-02-004-001	Miscellaneous Area Sources	Agricultural Crop Usage	Agriculture Silage	Storage
28-02-004-002	Miscellaneous Area Sources	Agricultural Crop Usage	Agriculture Silage	Mixing
28-02-004-003	Miscellaneous Area Sources	Agricultural Crop Usage	Agriculture Silage	Feeding

Connecticut accepts the EPA agricultural silage emissions estimates. For more information on these estimates, please refer to Section 17 of the 2020 NEI TSD.[132]

Per the 2020 NEI TSD, agricultural silage is fermented cattle feed made from chopped forage like corn or sorghum. Corn silage is a high energy forage that is readily consumed by cattle, and it is a major component of dairy and beef cattle diets in the US. VOCs are formed during silage fermentation and can volatilize into the atmosphere. VOC emissions occur during storage, mixing and feeding processes. During storage, emissions occur when a silage stack, bunker silo, or silage bag is opened, and silage is removed. During mixing, emissions occur from the exposed surface of a mixing wagon when the

[130] Connecticut General Statutes, CGA § 22a-174(f). 2011. Powers of the Commissioner. https://www.cga.ct.gov/current/pub/chap_446c.htm#sec_22a-174
[131] U.S. Environmental Protection Agency, "Solvents-Agricultural Pesticides". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section32_Solvents.pdf
[132] U.S. Environmental Protection Agency, "2020 National Emissions Inventory Technical Support Document: Agricultural Silage". 2023. *March 2023* . https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section17_AgSilage.pdf

silage is mixed with other feed components. During feeding, emissions occur from the exposed silage in a feed bunk or feed lane. The only pollutants that are inventoried for this sector are VOC and VOC HAPs. [133]

The calculations for estimating the emissions from agricultural silage are straight-forward. It involves multiplying the livestock counts by emissions factors for VOC. [134]

The activity data for this source category are based on dairy and beef cattle livestock counts (average annual number of standing head) and population information by state and county used to develop U.S. EPA's Greenhouse Gas Inventory. This data set is derived from multiple data sets from the United States Department of Agriculture (USDA), particularly the National Agricultural Statistics Service (NASS) survey and census.[135] The USDA NASS survey dataset, which represents latest available, 2020 national livestock data, is used to obtain the livestock counts for as many counties as possible across the United States. For a full description of the GHG livestock population estimation methodology, refer to the above referenced citation for the EPA's GHG inventory document. [136,137]

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

Connecticut accepts EPA's paved road dust emissions estimates documented in Section 23 of the 2020 NEI TSD. EPA listed retired SCC 22-94-000-002 in the paved roads dust 2020 NEI TSD documentation, which could not be included in an NEI after the last inventory year of 2016 (data could not be included in the 2017 NEI or 2020 NEI). For more information on these estimates, please refer to Section 23 of the 2020 NEI TSD.[138] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

Methodology changes for 2020 NEI are described in section 23.2.6 of the EPA's 2020 NEI TSD as follows: The 2017 NEI used one county-level meteorological adjustment factors for both paved and unpaved roads. For the 2020 NEI, separate county-level meteorological adjustment factors were developed for paved roads and unpaved roads. The adjustment factors, which are updated each inventory cycle based on modeling conducted by EPA, also showed that roads generally contained less residual moisture than the factors used in 2017, and road dust emissions were higher in 2020. [139]

[133] U.S. Environmental Protection Agency, "2020 National Emissions Inventory Technical Support Document: Agricultural Silage". 2023. *March 2023* . https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section17_AgSilage.pdf
[134] U.S. Environmental Protection Agency, "2020 National Emissions Inventory Technical Support Document: Agricultural Silage". 2023. *March 2023* . https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section17_AgSilage.pdf
[135] United States Department of Agriculture National Agricultural Statistics Service Quick Stats. https://quickstats.nass.usda.gov/
[136] U.S. Environmental Protection Agency, "2020 National Emissions Inventory Technical Support Document: Agricultural Silage". 2023. *March 2023* . https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section17_AgSilage.pdf
[137] U.S. EPA. 2018. Inventory of Greenhouse Gas Emissions and Sinks, 1990-2020. Chapter 5.2, Manure Management. EPA 430-R-22-003. https://www.epa.gov/system/files/documents/2022- 04/us-ghg-inventory-2022-main-text.pdf
[138] U.S. Environmental Protection Agency, "Dust-Paved Road Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section23_Dust_PavedRoads.pdf
[139] U.S. Environmental Protection Agency, "Dust-Paved Road Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section23_Dust_PavedRoads.pdf

Uncontrolled paved road emissions were calculated at the county level by roadway type for the year 2020. This was done by multiplying the county/roadway class paved road vehicle miles traveled (VMT) by the appropriate paved road emission factor. Next, control factors were applied to the paved road emissions in PM10 nonattainment and maintenance status counties. Emissions by roadway class were then totaled to the county level for reporting in the NEI. EPA estimates emissions for total fugitives only. Fugitive dust emissions from paved road traffic were estimated for PM10-PRI, PM10-FIL, PM25-PRI, and PM25-FIL. Since there are no PM-CON emissions for this category, PM10-PRI emissions are equal to PM10-FIL emissions and PM25-PRI emissions are equal to PM25-FIL emissions.[140] The EPA 2020 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.[141, 142]

Silt loading values per average daily traffic volume and associated EPA Emissions Factors for Paved Roads were based on AP-42, Section 13.2.1.[143,144]

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

Connecticut accepts the EPA dust-unpaved road emissions estimates. For more information on these estimates, please refer to Section 24 of the 2020 NEI TSD.[145] The annual estimates for this sector in 2020 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 2020 NEI activity data for the State of Connecticut was based on statistics from U.S. Federal Highway Administration.[146, 147] Because paved and unpaved VMT data were unavailable from FHWA for the Rural Local, Urban Local, and Rural Minor Collector road types, ratios for those road types were developed using state-level results from a 2008 model run from the National Mobile Inventory Model (NMIM), a precursor to MOVES. To account for the fact that some states have paved many of their unpaved roads since 2008, an adjustment factor was developed based on the change in unpaved road length. While FHWA does not provide data on paved or unpaved VMT for those three road types, it does

[140] U.S. Environmental Protection Agency, "Dust-Paved Road Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section23_Dust_PavedRoads.pdf
[141] U.S. Department of Transportation, Federal Highway Administration. Table HM-51. Office of Highway Policy Information. Washington, DC. September 2022 https://www.fhwa.dot.gov/policyinformation/statistics/2020/
[142] E.H. Pechan & Associates, Inc. "Phase II Regional Particulate Strategies; Task 4: Particulate Control Technology Characterization," draft report prepared for U.S. Environmental Protection Agency, Office of Policy, Planning and Evaluation. Washington, DC. June 1995.
[143] U.S. Environmental Protection Agency, "Dust-Paved Road Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section23_Dust_PavedRoads.pdf
[144] U. S. Environmental Protection Agency, Office of Air Quality Planning and Standards. 2011. "Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources, Section 13.2.1, Paved Roads."
[145] U.S. Environmental Protection Agency, "Dust-Unpaved Road Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section24_Dust_UnpavedRoads.pdf
[146] U.S. Department of Transportation, Federal Highway Administration. 2020. Highway Statistics 2020. Table HM51.
[147] Data provided to Abt Associates by Robert Rozycki, FHWA.

provide data on paved and unpaved road length for these road types. The adjustment factor is based on the change in the ratio of paved or unpaved road length in the current inventory year to the ratio in 2008. [148]

The EPA Emissions Factor for Unpaved Roads was based on EPA Compilation of Air Pollutant Emission Factors, AP-42, Section 13.2.2.[149]

Methodology changes for 2020 NEI unpaved road emissions are described in section 24.2.6 as follows: The 2017 NEI used the same county-level meteorological adjustment factors for both paved and unpaved roads. For the 2020 NEI, separate county-level meteorological adjustment factors were developed for paved roads and unpaved roads. The adjustment factors, which are updated each inventory cycle based on modeling conducted by EPA, also showed that roads generally contained less residual moisture than the factors used in 2017, and road dust emissions were higher in 2020. [150]

4.5.3 Construction Dust

4.5.3.1 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 20 of the 2020 NEI TSD.[151] The annual estimates for this sector in 2020 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 2020 NEI residential construction emissions method, factor, and activity data used to estimate State of Connecticut emissions are described in Section 20 of the 2020 NEI TSD.[152] There are two activity calculations performed for residential construction: acres of soil disturbed, and volume of soil removed for basements. EPA's descriptions indicates that New Privately Owned Housing Units from the U.S. Census Bureau , reports from the Midwest Research Institute, and the U.S. Department of Agriculture Soil Characterization Database data were used in developing the emission estimates.[153] The EPA TSD provides reference links, but searches for 2020 data based on reference descriptions are needed for data treated like New Privately Owned Housing Units from the U.S. Census Bureau.

[148] U.S. Environmental Protection Agency, "Dust-Unpaved Road Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section24_Dust_UnpavedRoads.pdf
[149] U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. 2006. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources, Section 13.2.2, Unpaved Roads.
[150] U.S. Environmental Protection Agency, "Dust-Unpaved Road Dust". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section24_Dust_UnpavedRoads.pdf
[151] U.S. Environmental Protection Agency, "Dust- Residential Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section20_Dust_Construction_Residential.pdf
[152] U.S. Environmental Protection Agency, "Dust- Residential Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section20_Dust_Construction_Residential.pdf
[153] U.S. Environmental Protection Agency, "Dust- Residential Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section20_Dust_Construction_Residential.pdf

4.5.3.2 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 21 of the 2020 NEI TSD. [154] The annual estimates for this sector in 2020 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 calculations for estimating emissions from non-residential construction involve first estimating the acres disturbed from non-residential construction in each county. The value of national-level non-residential construction spending is available from the U.S. Census Bureau and is converted to acreage disturbed using a conversion factor from a report by the Midwest Research Institute (MRI). The national-level acres disturbed are distributed to counties based on the proportion of non-residential construction employment in each county. Emissions factors for PM_{10} and $PM_{2.5}$ are calculated based on precipitation-evaporation values and dry silt content in each county. The total amount of acres disturbed is multiplied by these emissions factors to estimate emissions of PM from non-residential construction. [155] The EPA-developed emissions factor for non-residential construction were based on the U.S. Census Bureau, the Midwest Research Institute (MRI) reports, and the U.S. Department of Agriculture Soil Characterization Database. [156,157, 158,]

County level allocation utilized employment survey data which accounts for the absolute number of employees in NAICS code 2362. The EPA 2020 NEI TSD noted that the only methodology changes between the 2017 NEI and 2020 NEI Non-Residential Construction emission estimates related to an updated County Business Pattern (CBP) gap-filling method that did not impact for Connecticut data. This updated County Business Pattern gap-filling method is no longer supported by CBP data due to changes made to the isentification of withheld US Census data.

[154] U.S. Environmental Protection Agency, "Dust- Non-Residential Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*, https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section21_Dust_Construction_NonResidential.pdf
[155] U.S. Environmental Protection Agency, "Dust- Non-Residential Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*, https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section21_Dust_Construction_NonResidential.pdf
[156] U.S. Environmental Protection Agency, "Dust- Non-Residential Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*, https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section21_Dust_Construction_NonResidential.pdf
[157] U.S. Census Bureau. 2020. Value of Construction Put in Place 2020.
[158] Midwest Research Institute. 1999. Estimating Particulate Matter Emissions from Construction Operations, Final Report, prepared for the Emission Factor and Inventory Group, Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Table 5-2.

Table 4-17: 2020 County Business Pattern (CBP) Employment Data for Non-Residential Construction- NAICS 2362 [159]

County	naics	CBP County emp	CBP County Apportionment Percentage
Fairfield	2362//	1,635	30.1%
Hartford	2362//	1,408	25.9%
Litchfield	2362//	379	7.0%
Middlesex	2362//	177	3.3%
New Haven	2362//	945	17.4%
New London	2362//	643	11.9%
Tolland	2362//	177	3.3%
Windham	2362//	62	1.1%
Statewide		5,426	100.0%

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 22 of the 2020 NEI TSD. [160] The annual 2020 emission estimates for this section are presented in Appendix I Table I-1 and the 2020 emission estimates for a typical summer day are presented in Appendix I Table I-2.

The EPA 2020 NEI activity data, the acreage disturbed from new road construction, was estimated using spending per mile by highway type data from the U.S. Federal Highway Administration and acreage disturbed using conversion factors from the Florida Department of Transportation, and building permits data from the U.S. Census Bureau .[161, 162]

Building permits data from the U.S. Census Bureau were used as a surrogate for road construction activity to allocate the state-level acres disturbed by road construction to the county-level.[163] Specifically, the ratio of the county-to state-level number of building starts is calculated and multiplied by the state-level acreage disturbed to estimate the county-level acreage disturbed by road construction.

[159] U.S. Census Bureau, County Business Patterns. 2020. CBP Tables.
[160] U.S. Environmental Protection Agency, "Dust-Road Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*, https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section22_Dust_Construction_Road.pdf
[161] Federal Highway Administration. Table SF-12A, State Highway Agency Capital Outlay -2020. https://www.fhwa.dot.gov/policyinformation/statistics/2020/sf12a.cfm
[162] Florida Department of Transportation. Generic Cost per Mile Models for 2018. https://www.fhwa.dot.gov/policyinformation/statistics/2014/sf12a.cfm
[163] U.S. Census Bureau, Annual Housing Units Authorized by Building Permits ASCII files by State, MSA, County or Place, co2020a https://www2.census.gov/econ/bps/County/.

The EPA emissions factor for Road Construction is detailed in Section 22 of the 2020 NEI TSD, which indicated that a report from the Midwest Research Institute and the U.S. Department of Agriculture Soil Characteristic Database were important inputs. [164,165, 166, 167]

A 50% control was added to the 2020 NEI emissions estimates due to the water of construction sites.[168]

4.6 Oil and Gas Production

Connecticut accepts EPA's estimates for Connecticut's oil and gas production source category. Appendix H Table H-13 provides a listing of areas source oil and gas production SCCs used by EPA in the 2020 NEI, please refer to Section 13 of the 2020 NEI TSD. The annual estimates for this sector in 2020 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).

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 a modified version of EPA Industrial Processes–Mining and Quarrying emissions estimates. For more information on these estimates, please refer to the paragraphs below and Section 28 of the 2020 NEI TSD.[169]. The annual estimates for this sector in 2020 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 2020 NEI TSD indicated that activity data was based on the U.S. Geologic Survey 2015 Minerals Yearbook[170] (a three significant digit estimate for the State of Connecticut for the latest available year (2017) was 14,400 and 14,500 thousand metric tons marketable non-metallic product indicated) and data pulled from the U.S. Department of Energy,

[164] U.S. Environmental Protection Agency, "Dust-Road Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*, https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section22_Dust_Construction_Road.pdf
[165] U.S. Department of Agriculture, National Cooperative Soil Survey, NCSS Microsoft Access Soil Characterization Database.
[166] Midwest Research Institute. 1996. Improvement of Specific Emission Factors.
[167] Midwest Research Institute. 1999. Estimating Particulate Matter Emissions from Construction Operations.
[168] U.S. Environmental Protection Agency, "Dust-Road Construction". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*, https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section22_Dust_Construction_Road.pdf
[169] U.S. Environmental Protection Agency, "Industrial Process- Mining and Quarrying". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section28_MiningQuarrying.pdf
[170] U.S. Geologic Survey. Minerals Yearbook 2015 (the following link also provides the 2017 data used in the Connecticut correction). https://www.usgs.gov/centers/national-minerals-information-center/mining-and-quarrying#myb

Energy Information Administration "Detailed data from the EIA-7A and the U.S. Mine Safety and Health Administration" for year 2020 (zero short tons of coal).[171] Specific values used in EPA's analysis for Connecticut were extracted from 2020 Nonpoint Wagon Wheel[172], the Wagon Wheel Emission Factor Compendium[173] (xlsx)), and the EPA EIS Area Emissions Process report of the 2020NEI dataset for authorized EPA Emission Inventory System (EIS) users. Evaluation of the data identified unit of measure issues in published particulate matter emission factors that did not impact emission estimates and activity processing issues that did impact activity and emission estimates.

The 2020 Nonpoint Wagon Wheel processing issue that had impact, involved non-metallic ore mining activity being allocated to metallic ore mining activity and that metallic ore mining activity was lost in a latter step allocating the activity to the county level. This processing issue impacted the 2017 NEI and 2020 NEI estimates. EPA 2020 NEI emission estimates were based on 10,100.6 thousand short tons of surface ore mining marketable non-metallic product rather than the applicable 15,983.5 thousand short tons (14,500 thousand metric tons). Applying a factor of 1.58 to the EPA 2020 NEI activity and emissions was used to address this processing issue. A factor of 1.58 was calculated from multiplying 14,500 thousand metric tons of non-metallic ore times 1.10231 ton per metric ton divided by the EPA's total non-metallic ton This works for Connecticut because only non-metallic emissions applied and only sum total metal thousand tons of non-metallic ore activity for all connectcit counties. EPA emissions calculated for SCC 23-25-000-000 included metallic, non-metallic, and coal mining. Because Connecticut only has non-metallic mining, the emission factors used in the EPA calculation for the SCC were consistent with the non-metallic emission factors described in Section 28 of 2020 NEI TSD (0.293 Lbs/Ton or 0.0001466 Ton/Ton for PM10-PRI and PM10-FIL and 0.037 Lbs/Ton or 0.00001833 Ton/Ton for PM25-PRI and PM10-FIL).

County	County Allocation Percentage Calculated from EPA Activity	EPA 2020NEI Non-Metallic Ore Production Thousand Tons (Note 1)	CT 2020 PEI Non-Metallic Ore Production Thousand Tons
Fairfield	5.80%	586.4	927.9
Hartford	17.00%	1,715.2	2,714.2
Litchfield	31.50%	3,181.2	5,034.0
Middlesex	1.00%	102.6	162.4
New Haven	18.70%	1,891.1	2,992.6
New London	1.90%	190.6	301.6
Tolland	8.00%	806.3	1,275.9
Windham	16.10%	1,627.2	2,575.0
Statewide	**100.00%**	**10,100.6**	**15,983.5**

[171] U.S. Department of Energy, Energy Information Administration. "Detailed data from the EIA-7A and the U.S. Mine Safety and Health Administration", data pulled for year 2020. https://www.eia.gov/coal/data.php. coalp0ublic2020.xls https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.eia.gov%2Fcoal%2Fdata%2Fpublic%2Fxls%2Fcoalpublic2020.xls&wdOrigin=BROWSELINK

[172] 2020 Nonpoint Wagon Wheel (Wagon Wheel 2020 v7 Final – SLT Inputs, - https://gaftp.epa.gov/air/nei/2020/doc/supporting_data/nonpoint/Wagon%20Wheel%202020%20v7%20Final%20-%20SLT%20Inputs.zip

[173] Wagon Wheel Emission Factor Compendium (xlsx), https://www.epa.gov/system/files/documents/2023-03/NEI_2020_Wagon_Wheel_EFs_24mar2023.xlsx

Note **EPA 2020NEI Non-Metallic Ore Production Thousand Tons** are activity data that were not lost to the metallic ore apportionment that was lost due to missing metallic mining county apportionment in the Nonpoint Wagon Wheel 2020 v7 Final – SLT Inputs (Mining&Quarrying.accdb) database available from the 2020 Air Emissions Data webpage

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 19 of the 2020 NEI TSD.[174] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

There are no major changes to the methodology used to calculate commercial cooking emissions for the 2020 NEI aside from updates to activity data. However, significant changes in restaurant counts between 2017 and 2020 led to significant increases in commercial cooking emission for the 2020 NEI. The Hoovers database reported approximately 77% more restaurants nationally between 2017 and 2020. An analysis comparing County Business Patterns reported by the US Census and the Hoovers database shows that 2017 restaurant counts were underestimated by Hoovers. [175]

The calculations for estimating the emissions from commercial cooking involve first estimating the amount of meat and french fries cooked on various cooking devices in each county. The 2020 NEI EPA-developed emissions for the State of Connecticut were based on restaurant counts from the Dun & Bradstreet (D&B) Hoovers Database and assumptions concerning the percentage of those restaurants with specific cooking devices, the number of devices per restaurant, and the amount of meat cooked per device from a California Air Resources Board (CARB) sponsored survey. The amount of french fries cooked by the foodservice industry was from a report prepared for Potatoes USA. The total amount of meat

[174] U.S. Environmental Protection Agency, "Commercial Cooking". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section19_CommercialCooking.pdf
[175] U.S. Environmental Protection Agency, "Commercial Cooking". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section19_CommercialCooking.pdf

or french fries cooked on each device is multiplied by emissions factors for CAPS including, VOC, CO, PM10 and PM2.5, and various HAPs to estimate emissions of these pollutants from commercial cooking.[176, 177, 178]

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

Residential Charcoal Grilling (barbecue grilling) emissions include emissions from the burning of charcoal (including the use of lighter fluid) and emissions from all types of meat cooked on charcoal, gas, and electric grills. Combustion emissions from gas barbecue grills are not included. This Section 4.7.3 concerns residential grilling emission estimates, where Section 4.7.2 covers SCC 23- 02-002-xxx commercial charcoal grilling emissions. Connecticut accepts the EPA Residential Charcoal Grilling emissions estimates. For more information on these residential grilling estimates, please refer to Section 30 of the 2020 NEI TSD.[179] The annual estimates for this sector in 2020 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 2020 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.[180, 181, 182, 183, 184,185]

The EPA emissions factor for Charcoal Grilling are from EPA's report, Emissions from Street Vendor Cooking Devices (Charcoal Grilling). There is also a separate emissions factor for VOC from lighter fluid, based on South Coast Air Quality

[176] Dun and Bradford Hoovers database, 2020. http://www.hoovers.com/
[177] Public Research Institute, 2001. Charbroiling Activity Estimation. Prepared for the California Air Resources Board and California EPA. https://www.arb.ca.gov/research/apr/reports/l943.pdf
[178] Technomic, 2020. Volumetric Assessment of the Foodservice Potato Market. Prepared for Potatoes USA. https://potatoesusa.com/research-reports/category/market-insights/
[179] U.S. Environmental Protection Agency, "Residential Charcoal Grilling". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section30_Residential_CharcoalGrilling.pdf
[180] U.S. Census Bureau. 2020. Community Facts. Housing, Selected Housing Characteristics, American Community Survey 5-Year Estimates (Table DP04), https://data.census.gov/table?tid=ACSDP5Y2020.DP04 https://data.census.gov/cedsci/table?q=Community%20Facts,%20Housing,%20Selected%20Housing%20Characteristics&hidePreview=false&tid=ACSDP5Y2017.DP04&t=Housing&vintage=2018
[181] Kingsford email on the weight of their charcoal briquettes 4/11/2015.
[182] Hearth, Patio and Barbecue Association (HPBA), Statistics, BBQ Grill Shipments, accessed April 2015. https://www.hpba.org/Resources/Market-Research-Reports/view?barbecue-statistics=CopyofBBQGrillShipments8513.pdf
[183] Hearth, Patio & Barbecue Association (HPBA), 2011 State of the Barbecue Industry Report, accessed April 2015. https://www.hpba.org/Resources/PressRoom/barbecue-industry/2011-state-of-the-barbecue-industry-report?searchterm=State%20of%20the%20Barbecue
[184] Hearth, Patio & Barbecue Association (HPBA), 2014 State of the Barbecue Industry Report. https://www.hpba.org/Resources/PressRoom/barbecue-industry/2014-state-of-the-barbecue-industry-report?searchterm=2014%20State%20of%20the%20Barbecue%20Industry%20Report
[185] Hearth, Patio and Barbecue Association (HPBA) 3/23/2015 email from Jessica Boothe on how many people with charcoal grills use lighter fluid.

Management District Rule 1174, Association. The HAP emission factors are speciation factors from the EPA SPECIATE database, which are speciation factors for charbroiling meat. [186, 187, 188]

4.8 Prescribed Burning and Wildfires

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
28-10-001-001	Miscellaneous Area Sources	Other Combustionas Nonpoint	Forest Wildfires	Smoldering
28-10-001-002	Miscellaneous Area Sources	Other Combustionas Nonpoint	Forest Wildfires	Flaming
28-11-015-001	Miscellaneous Area Sources	Other Combustionas Nonpoint	Prescribed Forest Burning	Smoldering
28-11-015-002	Miscellaneous Area Sources	Other Combustionas Nonpoint	Prescribed Forest Burning	Flaming
28-11-020-002	Miscellaneous Area Sources	Other Combustion - as Event	Prescribed Rangeland Burning	Flaming
28-11-021-000	Miscellaneous Area Sources	Other Combustion - as Event	Prescribed Rangeland Burning - Tallgrass Prairie	Total (Smoldering + Flaming)

Connecticut accepts EPA's prescribed burning and wildfires event emission estimates as described in Section 7 of the 2020 NEI TSD.[189] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

For purposes of emission 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 2020 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.

[186] U.S. Environmental Protection Agency. 1999. Emissions from Street Vendor Cooking Devices (Charcoal Grilling), EPA/600/SR-99/048. https://www3.epa.gov/ttn/catc/dir1/mexfr.pdf
[187] South Coast Air Quality Management District. October 5, 1990. "Rule 1174. "Control of Volatile Organic Compound Emissions from the Ignition of Barbecue Charcoal" accessed May 2015.
[188] U.S. Environmental Protection Agency. 2014. SPECIATE Database, version 4.4. Speciation profile 4553, meat charbroiling. Speciation profile was adjusted to be based on VOC, rather than total organic gases (TOG), by removing methane from the profile.
[189] U.S. Environmental Protection Agency, "Wild and Prescribed Fires". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section7_Fires.pdf

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 section 4.4.4 of this Connecticut PEI.
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. [190]
Consistent with the approach used in the 2014 and 2017 PEIs, the EPA used an improved satellite-based approach and added a distinction between grass and pasture burning processes. For wildfires and prescribed fires, the EPA used 2020-specific satellite data and collected 2020-specific ground based observational data from many state forestry agencies. For these fires, the EPA also estimated the flaming and smoldering components of emissions separately and retained this delineation in the final inventory. [191]

Wildfires and prescribed burns that occur during the 2020 inventory year are included in the NEI as nonpoint sources in nonpoint data format/files, where in previous inventory years WLFs were separately provided in an Events data file. Emissions from these fires, as well as agricultural fires, make up the National Fire Emissions Inventory (NFEI). For the 2020 NFEI, the EPA calculated emissions from agricultural fires separately from WLF emissions as described separately in Section 7 of the 2020 NEI TSD.[192]

The 2020 NEI included lead (Pb) as a pollutant for WLFs for the first time. The emission factors that were used to estimate Pb come from a recently completed EPA test program.[193]

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

Connecticut accepts the EPA's estimates for the greenwaste composting source category in Connecticut. The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

Section 33 of the 2020 NEI TSD 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

[190] U.S. Environmental Protection Agency, "Fires- Agricultural Field Burning". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section7_Fires.pdf
[191] U.S. Environmental Protection Agency, "Wild and Prescribed Fires". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section7_Fires.pdf
[192] U.S. Environmental Protection Agency, "Fires- Agricultural Field Burning". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section7_Fires.pdf
[193] Holder, A.L., Rao, V., Kovalcik, K., and Virtaranta, L. 2023. Particulate Pb emission factors from wildland fires in the United States. Atmospheric Environment: X, 20, 100229: 1-8. doi: 10.1016/j.aeaoa.2023.100229.

category does not include the composting of biosolids from wastewater treatment plants, manure management facilities, or backyard composting.[194]

The amount of state-level yard waste composted is estimated by calculating the per-capita amount of yard waste composted using national data from the EPA report Advancing Sustainable Materials Management: 2015 Fact Sheet[195] and multiplying that by the state population. The state-level yard and food waste are summed together and distributed to the counties based on the proportion of employment at solid waste landfills. The total amount of greenwaste composted is multiplied by emissions factors for VOC and NH3 to estimate emissions of these pollutants from greenwaste composting.[196]

Table 4-18: Food waste composting in Connecticut for 2020 NEI[197],[198]

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

The EPA county allocation was based on the NAICS Code 562212 count 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. It appears that 2016 employment data was likely used.

[194] U.S. Environmental Protection Agency, "Greenwaste Composting". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section33_WD_Composting.pdf
[195] U.S. EPA. 2018. Advancing Sustainable Materials Management: Facts and Figures Report, 2015 Facts and Figures Sheet, Table1. Generation, Recovery, and Discards of Products in MSW, 2015. https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/advancing-sustainable-materials-management
[196] U.S. Environmental Protection Agency, "Greenwaste Composting". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section33_WD_Composting.pdf
[197] U.S. Environmental Protection Agency, "Greenwaste Composting". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section33_WD_Composting.pdf
[198] U.S. EPA. 2016. "Food Waste Management in the United States", 2014. Office of Resource Conservation and Recovery, Pg 5, https://www.epa.gov/sites/default/files/2016-12/documents/food_waste_management_2014_12082016_508.pdf#page=5

Table 4-19: Compost County Allocations for 2020 NEI [199]

County	Employment Code	Employment Ranges	Midpoint	County Allocation
Fairfield	-	-	-	-
Hartford	B	20-99	60	0.75
Litchfield	-	-	-	-
Middlesex	-	-	-	-
New Haven	A	0-19	10	0.125
New London	A	0-19	10	0.125
Tolland County	-	-	-	-
Windham County	-	-	-	-

4.9.2 Open Burning

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

The 2020 NEI TSD describes open burning of yard waste debris as "intentional burning for waste disposal purposes of leaf and brush species in outdoor areas, and emission estimates for leaf and brush waste burning are a function of the amount of waste burned per year". Section 36 of the 2020 NEI TSD outlines the EPA procedure for estimating emissions for land clearing debris. EPA emissions estimates for leaf and brush waste burning are a function of the amount of waste burned per year.[200]

Connecticut accepts the EPA's estimates for the open burning of brush in Connecticut. The annual estimates for this sector in 2020 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. Connecticut open burning of leaf debris reflects zero activity and zero emissions 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.[201] Connecticut regulations forbid the burning of leaves. Connecticut regulations allow the burning of brush on residential property conducted by the resident of the property or the agent of the resident. For these reasons Connecticut provided input to EPA that set the emissions from the burning of leaves to zero and accepted EPA's estimates for the burning of brush.

[199] U.S. Census Bureau. "2016 County Business Patterns", https://www.census.gov/content/census/en/data/datasets/2016/econ/cbp/2016-cbp.html

[200] U.S. Environmental Protection Agency, "Open Burning". 2023. *March 2023 Release of the 2020 NEI Technical Support Document.* https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section36_WD_OpenBurning_YardWaste.pdf

[201] CGS § 22a-174(f), "Powers of the Commisioner", 2011, https://www.cga.ct.gov/current/pub/chap_446c.htm#sec_22a-174

The changes of the methodology for the 2020 NEI listed in Section 36.2.7 state the following: For the 2020 NEI, ammonia emissions factors were developed for leaf waste and brush waste so that ammonia emissions are estimated for these sources. The ammonia emissions factors are developed by applying the ratio of NH_3 to NO_X emissions from pasture grass, using emissions data from Table 1 in Pouliot et al. (2011),[202] to the NOx emissions factors used for these sources, from AP-42.[203,204]

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)

The 2020 NEI 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". [205] Section 34 of the 2020 NEI TSD outlines the EPA procedure for estimating emissions for land clearing debris. EPA emissions estimates from open burning of land clearing debris are a function of the amount of material or fuel subject to burning per year.

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. The annual estimates for this sector in 2020 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 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.[206]

[202] G. Pouliot, V. Rao, J.L. McCarty, and A. Soja. 2017. Development of the crop residue and rangeland burning in the 2014 National Emissions Inventory using information from multiple sources. Journal of the Air & Waste Management Association, 67(5), 613-622. https://doi.org/10.1080/10962247.2016.1268982.
[203] U.S. Environmental Protection Agency. 1992. AP-42, Fifth Edition, Volume 1, Chapter 2: Solid Waste Disposal. Section 2.5: Open Burning. https://www3.epa.gov/ttn/chief/ap42/ch02/final/c02s05.pdf
[204] 2020 National Emissions Inventory Technical Support Document: Waste Disposal – Open Burning – Yard Waste, March 2023, Document Number EPA-454/R-23_001jj https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section36_WD_OpenBurning_YardWaste.pdf
[205] U.S. Environmental Protection Agency, "Land Clearing". 2023. *March 2023 Release of the 2020 NEI Technical Support Document. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section34_WD_OpenBurning_LCD.pdf*
[206] CGA § 22a-174(f), "Powers of the Commisioner".

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)

The 2020 NEI TSD describes open burning of residential municipal solid waste (MSW) as "the purposeful burning of residential household waste (RHW) in outdoor areas". EPA emission estimates for RHW burning are a function of the amount of waste burned per year.[207] Section 35 of the 2020 NEI TSD outlines the EPA procedure for estimating emissions for land clearing debris.

Connecticut provided nonpoint survey input 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 of MSW is not allowed and a permit must be issued prior to other types of open burning activities which are allowed in Connecticut.[208]

The annual estimates for this sector in 2020 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 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 accepts the EPA POTW emission estimates. Section 37 of the 2020 NEI TSD documents the EPA methodology.[209] The annual estimates for this sector in 2020 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 point SCCs used in the past for POTW point source reconciliation (SCCs 5-01-007-01 through 5-01-007-81 and 5-01-007-91 through 5-01-825-99) were reviewed against the EPA SCC list. The SCC comparison evaluation included a review of a complete list of all SCC with a SCC Level Two of "Solid Waste Disposal – Government". SCCs having the SCC Level Three "Publicly Owned Treatment Works" covered all SCC mappings needed for 2020 POTW point to non-point mappings. SCC 50100789 was excluded from the original list due to it being a gas flare process. This point POTW SCC reconciliation list was considered adequate and was used. A search of the EMIT database was conducted for these SCCs for the 2020 reporting period and five sources were identified and listed below in Table 4-20.

[207] U.S. Environmental Protection Agency, "Household Waste". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-03/NEI2020_TSD_Section35_WD_OpenBurning_RHHW.pdf
[208] CGA § 22a-174(f), "Powers of the Commisioner".
[209] U.S. Environmental Protection Agency, "Nonpoint POTW". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section37_WD_POTWs.pdf

Table 4-20: POTW Point Source Subtraction Facility with Emission Unit Point Identifier

Site Name	County Name	Point Identifier	SCC	Reported Flow Rate (E6GAL)
MDC /Hartford WPCF	Hartford	E0002	5-01-007-01	21,419.98
MDC /Hartford WPCF	Hartford	E0003	5-01-007-01	206.769
Manchester-Landfill Premises	Hartford	E0009	5-01-007-01	2,397.7
Kimberly-Clark Corp.	Litchfield	E0013	5-01-007-01	1,198.71
Kimberly-Clark Corp.	Litchfield	E0014	5-01-007-01	1,060.24

The total annual point POTW activity reported for 2020 emissions statement reporting are shown below. The two sources in Litchfield were eliminated from POTW point source subtraction, because an industrial wastewater point SCC rather than a POTW SCC should have been applied to those sources. This reconciliation eliminates double counting of emissions and is performed as a procedural element of preparing an accurate emissions inventory. The point activity shown in Table 4-21 were submitted to EPA via EPA's 2020 Option A POTW input template (County-level flow rates associated with POTWs reported as point sources). The emissions presented in Appendix I reflect an appropriate reduction of associated emissions amounts or a zero value when reported point activity for a county is greater than the allocated nonpoint county estimate.

Table 4-21: 2020 Annual Point Reported POTW Activity

FIPS State and County Code	County	Point Reported Flow Rate	Units
09003	Hartford	24,024.45	E6GAL

4.9.4 Nonpoint Non-Combustion-Related Mercury Sources – Including 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 15 of the EPA 2020 TSD. Human and animal cremation estimates include CAPs as well as mercury and are discussed later in Section 29 of the 2020 NEI TSD. SCCs 28-10-060-100 (Human Creation) is the only SCC where EPA estimated non-zero criteria pollutant emissions.

Connecticut accepts EPA emissions estimates for emissions calculated by the EPA's Mercury Tool. For more information on these estimates, please refer to Section 15 of the EPA 2020 TSD and Section 29 of the 2020 NEI TSD.[210,211] The annual estimates for this sector in 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I Table I-2.

Point source reconciliation for crematory emissions was not required for 2020 emission estimates. While Connecticut has permitted human and animal crematories, human and animal crematory emissions were not reported in the stationary point sources inventory.

[210] U.S. Environmental Protection Agency, "2020 National Emissions Inventory Technical Support Document: Nonpoint Non-Combustion Mercury". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section15_Nonpoint_NonCombustion_Hg.pdf

[211] U.S. Environmental Protection Agency, "Cremation". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section29_Cremation.pdf

The changes of the methodology for the 2020 NEI are described in Section 15.2.7 as follows activity information has been updated to year 2020 for state-level data on the number of recyclers, number of switches recovered, and the amount of mercury recovered, as well as the number of switches available for recovery. [212] There were no further methodology changes from the 2017 NEI development. [213,214]

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).[215]

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) [216] 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.

[212] U.S. Environmental Protection Agency, "Cremation". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section29_Cremation.pdf
[213] U.S. Environmental Protection Agency, "2020 National Emissions Inventory Technical Support Document: Nonpoint Non-Combustion Mercury". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section15_Nonpoint_NonCombustion_Hg.pdf
[214] U.S. Environmental Protection Agency, "Cremation". 2023. *March 2023 Release of the 2020 NEI Technical Support Document*. https://www.epa.gov/system/files/documents/2023-04/NEI2020_TSD_Section29_Cremation.pdf
[215] U.S. Environmental Protection Agency. Municipal Solid Waste Landfills, AP-42, Vol 1, Ch 2.4. 1998. https://www3.epa.gov/ttnchie1/ap42/ch02/final/c02s04.pdf
[216] Koschwitz, S. Description of Establishment of Municipal Solid Waste Landfill Inventory. 1998. Connecticut Department of Environmental Protection.

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.[217]

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 compliance study the amount of waste in place at these five landfills included the ash. 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. Review of the survey data against data presented in the Landfill Methane Outreach Program (LMOP) Project and Landfill Data for Connecticut resulted in increasing the amount of waste in place from 5,300,619 MG to 6,700,000 tons for the New Milford Landfill. All other waste in place data was found to be consistent or conservative.[218,219]

In 2020 there were no landfills in Connecticut accepting municipal solid waste (MSW), the Windsor-Bloomfield landfill was the last landfill accepting MSW and the 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 2020 are presented in Appendix I Table I-1 and the estimates for a typical summer day are presented in Appendix I 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:[220, 221, 222]

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

Where:

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

[217] U.S. Environmental Protection Agency. AP-42, Vol 1, Ch 2.4. 1998.
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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:

$$E_{\text{unctrl}} = (7.062 \times 10^{-9}) \times 100 \times 106{,}566 \times 20{,}017.59 \times \left(e^{(-0.04\times30)} - e^{(-0.04\times62)}\right) \times \left(\frac{2000}{365}\right)$$

E_{unctrl} = 163.78 pounds VOC per day

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

$$E_{\text{unctrl}} = (7.062 \times 10^{-9}) \times 100 \times 98{,}483 \times 2{,}334.44 \times \left(e^{(-0.04\times18)} - e^{(-0.04\times65)}\right) \times \left(\frac{2000}{365}\right)$$

E_{unctrl} = 25.3 pounds VOC per day

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 8 landfills that had control equipment in use in 2017. Only one of these landfill,: Manchester, is a Title V source and is required to report its after control emissions to CT DEEP every year, see Table 4.4.4-1. The VOC's removed by controls were subtracted from the uncontrolled VOC emission estimates for this landfill. The 2017 after control emissions for the remaining seven landfills were not known, so no adjustment were made to their uncontrolled emission estimates or corresponding VOC/methane combustion products.

The VOC after control emissions for the Manchester Landfill 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 this landfill 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 Manchester Landfill is:

$$\text{Erem} = \frac{0.075}{1 - 0.99}$$

Erem = 7.50 pounds VOC removed per day

Table 4.4.4-2 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 Manchester Landfill is:

E = 32.61 – 7.5
E = 25.11 pounds of VOC per day

Table 4.9.5-1: Summary of Landfills that Reported Having Used Control Equipment in 2020

Landfill	Control Efficiency	Annual VOC After Control (Tons/year)	Daily VOC After Control (Tons/day)	Annual Emissions Removed by Control (Ton/year)	Daily Emissions Removed by Control (Tons/day)	Controlled Emissions In Point Section of SIP
Manchester Sanitary LF	99.00%	0.0131	0.075	1.31	7.5	Yes
		0.0131	**0.075**	**1.31**	**7.5**	

Table 4.9.5-2: Summary of VOC and CO Emissions from Municipal Solid Waste Landfills (Fairfield)

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Danbury Landfill	Yes	1900 - 12/31/96	30,844.32	0.00	0.00	16.81	92.09
Fairfield Landfill	No	1950s - 1988	23,903.74	0.00	0.00	0.86	4.72
New Canaan Landfill	No	1930s - 1994	2,721.56	0.00	0.00	0.15	0.81
New Fairfield Disposal Area	No	Early 1940s - 12/30/91	960.55	0.00	0.00	0.04	0.24
Newtown Landfill	No	1971 - 10/93	12,370.72	0.00	0.00	0.41	2.23
North Canaan Landfill	No	1906(?) - 1994(?)	618.54	0.00	0.00	0.04	0.19
Redding Landfill	No	1962 - 6/94	6,115.27	0.00	0.00	0.26	1.42
Ridgefield Landfill	No	1929(?) - 1980	747.09	0.00	0.00	0.02	0.12
Seaside Park Landfill	Yes	1938 - 1993(?)	11,291.99	0.00	0.00	4.96	27.17
Shelton CRRA Landfill	Yes	Early 1960s - 1987	45,359.30	0.00	0.00	20.06	109.92
Stratford Landfill	No	1946 - 1983(?)	13,571.38	0.00	0.00	0.40	2.17
Fairfield County Total			**148,504.45**			**44.00**	**241.08**

Table 4.9.5-3: Summary of VOC and CO Emissions from Municipal Solid Waste Landfills (Hartford)

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Avon Landfill	No	1972 - 1994	24,988.85	0.00	0.00	0.86	4.70
Bristol Landfill	Yes	1950 - 2/28/97	11,561.80	0.00	0.00	5.68	31.11
Burlington Landfill	No	1966 - 1991(?)	13,165.87	0.00	0.00	0.43	2.37
East Granby Landfill	No	8/69 - 6/94	979.76	0.00	0.00	0.04	0.20
East Hartford Landfill	No	1983 - 1987	217,724.60	0.00	0.00	1.43	7.82
Enfield Landfill	No	1967 - 1/94	47,232.41	0.00	0.00	1.83	10.02
Farmington Landfill	No	1933(?) - 1988	12,370.72	0.00	0.00	0.51	2.78
Granby Landfill	No	1953 - 1995(?)	2,521.39	0.00	0.00	0.13	0.69
Hartford CRRA Landfill	Yes	1955 - 1987	106,566.01	0.00	0.00	29.89	163.78
Hartland Landfill	No	1977- 1992	2,219.59	0.00	0.00	0.05	0.30
Manchester Sanitary Landfill	No	1952 - 1999	98,483.02	1.31	7.50	4.67	25.25
Marlborough Municipal Landfill	No	1960 - 1993	10,545.34	0.00	0.00	0.44	2.39
NORCAP Regional Landfill	No	3/75 - 7/96	112,318.27	0.00	0.00	4.05	22.22
Plainville Landfill	No	1950 - 1994	9,896.57	0.00	0.00	0.48	2.63
Simsbury Landfill	No	1920 - 1995	4,265.12	0.00	0.00	0.25	1.36
Suffield Municipal Landfill	No	1977 - 4/8/94	22,852.73	0.00	0.00	0.66	3.62
Windsor-Bloomfield Sanitary Landfill	Yes	7/5/72 - 2015	68,603.12	0.00	0.00	67.06	367.45
Hartford County Total			**766,295.15**	**1.31**	**7.50**	**118.44**	**648.68**

Table 4.9.5-4: Summary of VOC and CO Emissions From Municipal Solid Waste Landfills (Litchfield)

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Barkhamsted-New Hartford Landfill	Yes	4/74 - 10/93	26,315.79	0.00	0.00	6.92	37.91
Bethlehem Landfill	No	1941 - 1988	1,966.11	0.00	0.00	0.08	0.42
Canaan Landfill	No	1952(?) - 1994(?)	1,554.19	0.00	0.00	0.07	0.41
Cornwall Municipal Landfill	No	1952(?) - 1995	3,234.83	0.00	0.00	0.16	0.89
Kent Landfill	No	1946 - 10/93	1,218.09	0.00	0.00	0.06	0.32
Litchfield Landfill	No	8/77 - 3/94 (?)	28,092.68	0.00	0.00	0.81	4.45
Morris Landfill	No	1967 - 1994(?)	3,546.51	0.00	0.00	0.14	0.75
New Milford Landfill	Yes	1965 - 9/29/95	202,604.87	0.00	0.00	75.75	415.06
Norfolk Landfill	No	1938 - 10/93	6,786.98	0.00	0.00	0.34	1.86
Plymouth Landfill	No	1950(?) - 1974	19,992.65	0.00	0.00	0.33	1.78
Roxbury Landfill	No	1960(?) - 1/1/91	1,521.74	0.00	0.00	0.06	0.31
Torrington Landfill	Yes	1930 - 11/26/94	13,024.35	0.00	0.00	6.18	33.85
Washington Landfill	No	early 1940s (?) - 10/94	942.47	0.00	0.00	0.05	0.27
Litchfield County Total			**310,801.27**			**90.94**	**498.28**

Table 4.9.5-5: Summary of VOC and CO Emissions From Municipal Solid Waste Landfills (Middlesex)

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
East Haddam Landfill	No	late 1930s(?) - 1978(?)	7,546.65	0.00	0.00	0.20	1.09
Essex Landfill & Recycling	No	1950(?) - 1996(?)	2,171.53	0.00	0.00	0.12	0.64
Middlefield-Durham Landfill	No	1971 - 1989	13,955.03	0.00	0.00	0.34	1.88
Middletown North End Peninsula LF	No	1953 - 1997(?)	18,290.80	0.00	0.00	1.00	5.49
Portland Municipal Landfill	No	5/67 - 1994(?)	9,676.65	0.00	0.00	0.37	2.05
Westbrook Landfill	No	1955 - 1987	7,175.11	0.00	0.00	0.23	1.26
Middlesex County Total			**58,815.77**			**2.26**	**12.41**

Table 4.9.5-6: Summary of VOC and CO Emissions From Municipal Solid Waste Landfills (New Haven)

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Branford Landfill	No	1960 - 1995	34,742.90	0.00	0.00	1.60	8.75
Cheshire Landfill	No	1970 - 1989	36,043.28	0.00	0.00	0.92	5.05
Derby Landfill	No	1962 - 9/93	30,334.95	0.00	0.00	1.21	6.65
Front Street (Helm Street) Landfill	No	1967(?) - 1989(?)	55,411.45	0.00	0.00	1.56	8.53
Hamden Landfill	No	early 1970s - 11/88(?)	11,041.81	0.00	0.00	0.26	1.43
Madison Bulky Waste Site	No	12/68 - 1997	7,409.79	0.00	0.00	0.34	1.84
Meriden Landfill	No	1937(?) - 1/89	29,937.13	0.00	0.00	1.26	6.89
New Haven Landfill	No	early 1940s -1998	41,579.36	0.00	0.00	1.64	8.97
North Branford Landfill	No	1958 - 1987(?)	12,503.30	0.00	0.00	0.38	2.08
North End Disposal Area Landfill	No	1955 - 10/31/96	131,271.68	0.00	0.00	6.72	36.83
North Haven Landfill	No	1964 - 1993	33,221.77	0.00	0.00	1.28	7.04
Oxford Landfill	No	1976 - 7/30/88	14,469.61	0.00	0.00	0.25	1.39
Prospect Landfill	No	early 1960s(?) - 2/28/88	7,882.50	0.00	0.00	0.24	1.32
Seymour Landfill	No	1968 - 1997(?)	19,375.99	0.00	0.00	0.88	4.82
Southbury Landfill	No	1931 - 3/87	5,018.04	0.00	0.00	0.20	1.09
Spring Street Landfill	No	1908 - 1989(?)	23,551.35	0.00	0.00	1.09	5.95
Wallingford CRRA Landfill	No	early 1960s (?) - 1995	18,046.26	0.00	0.00	0.83	4.55
Woodbridge Landfill	No	1968 - 4/9/94	3,812.61	0.00	0.00	0.14	0.79
New Haven County Total			**515,653.79**			**20.80**	**113.99**

Table 4.9.5-7: Summary of VOC and CO Emissions From Municipal Solid Waste Landfills (New London)

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Adelman Landfill	No	10/77 - 1994	13,376.20	0.00	0.00	0.39	2.12
Bronson Landfill	No	1963 - 8/92	6,811.87	0.00	0.00	0.25	1.39
Colchester Landfill	No	1960 - 10/94	3,682.11	0.00	0.00	0.16	0.88
East Lyme Landfill	No	1948 - 1992(?)	4,698.94	0.00	0.00	0.21	1.15
Groton MSW Landfill	No	1956 - 10/9/94	41,778.30	0.00	0.00	1.91	10.49
Lebanon Landfill	No	1971(?) - 10/2/93	45,152.39	0.00	0.00	1.49	8.16
Ledyard Landfill	No	1950s(?) - 1995	5,236.71	0.00	0.00	0.27	1.46
Lyme Landfill	No	1950s(?) - 1994(?)	30,669.89	0.00	0.00	1.49	8.16
Montville Landfill	No	1966 - 10/94(?)	4,182.00	0.00	0.00	0.17	0.91
Montville SCRRRA Ash Landfill	No	1993 - present	0.00	0.00	0.00	0.00	0.00
North Stonington Landfill	No	1955 - 1991	6,056.57	0.00	0.00	0.24	1.32
Norwich Landfill	No	1974 - 1997	19,763.60	0.00	0.00	0.79	4.31
Norwich State Hospital Ash Landfill	No	early 1940s - 1985(?)	221.79	0.00	0.00	0.01	0.04
Preston Landfill	No	1957 - 1994(?)	5,761.32	0.00	0.00	0.26	1.43
Salem Landfill	No	1966 - 1995(?)	10,618.77	0.00	0.00	0.44	2.44
Sprague Landfill	No	1955 - 1993(?)	7,469.26	0.00	0.00	0.33	1.80
Stonington Landfill	No	10/68 - 1994 (?)	29,348.04	0.00	0.00	1.11	6.10
Waterford Refuse Disposal Area	No	1968 - 1996(?)	11,208.25	0.00	0.00	0.48	2.63
New London County Total			**246,036.00**			**10.00**	**54.77**

Table 4.9.5-8: Summary of VOC and CO Emissions from Municipal Solid Waste Landfills (Tolland)

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Andover Landfill	No	1950 - 1994	5,572.97	0.00	0.00	0.27	1.48
Columbia Landfill	No	1949 - 1994	435.44	0.00	0.00	0.02	0.12
Coventry Landfill	No	1942 - 10/9/93	4,847.58	0.00	0.00	0.24	1.30
Ellington CRRA Landfill	No	1976 - 6/29/93	69,901.70	0.00	0.00	1.94	10.65
Hebron Landfill	No	1963 - 1995	19,579.34	0.00	0.00	0.86	4.73
Mansfield Bulky Waste Landfill	No	1966 - 1994(?)	12,348.04	0.00	0.00	0.49	2.67
Somers Landfill	No	1954 - 1994(?)	9,905.60	0.00	0.00	0.46	2.54
Stafford Landfill	No	early 1960s - 6/94	3,957.82	0.00	0.00	0.17	0.95
UConn Landfill	No	1966 - 1996(?)	7,783.65	0.00	0.00	0.35	1.89
Willington Landfill	No	1978 - 10/93(?)	10,704.79	0.00	0.00	0.27	1.49
Tolland County Total			**145,036.93**			**5.08**	**27.82**

Table 4.9.5-9: Summary of VOC and CO Emissions From Municipal Solid Waste Landfills (Windham)

Landfill	Codisposal	YearsofOperation	Avg Annual Acept Rate (Mg/yr)	Annual VOC Emissions Removed by Control	Daily VOC Emissions Removed by Control	VOC Annual Emissions (Ton VOC/yr)	VOC Daily Emissions (lbs/day)
Brooklyn Municipal Landfill	No	1967 - 1994	5,846.31	0.00	0.00	0.23	1.24
Donahue Landfill	No	1964(?) - 1994(?)	3,991.80	0.00	0.00	0.16	0.90
Killingly Landfill	No	early 1970s(?) - 1995	19,595.21	0.00	0.00	0.76	4.14
Putnam Landfill	No	1968 - 6/28/97	29,862.05	0.00	0.00	1.36	7.43
Thompson Landfill	No	1956 - 1991	11,772.68	0.00	0.00	0.46	2.53
Windham Landfill	No	1946(?) - 1996(?)	27,215.57	0.00	0.00	1.49	8.19
Woodstock Landfill	No	mid-1940s - 4/96	4,574.41	0.00	0.00	0.26	1.42
Yaworski Regional Landfill	No	1950 - 1994	26,346.99	0.00	0.00	1.48	8.09
Windham County Total			**129,205.04**			**6.19**	**33.94**

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Section 5 Biogenic Sources

Source Classification Code	SCC Description			
	Level 1	Level 2	Level 3	Level 4
27-01-200-000	Natural Sources	Biogenic	Vegetation	Total
27-01-220-000	Natural Sources	Biogenic	Vegetation/Agriculture	Total

Connecticut accepts the EPA biogenic emissions estimates as published in the 2020 NEI, which only included VOCs, NO_X, and CO. For more information on these estimates, please refer to Section 8 of the 2020 NEI v1 TSD.[223] EPA developed the estimates for Biogenics for the 2020 National Emissions Inventory (NEI) by blending the computer estimation models; Weather Research and Forecasting (WRF) model version 3.8 (WRFv3.8) with 2020 meteorological data, and Biogenic Emission Inventory System version 4 (BEIS4). The annual estimates for this sector in 2020 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, 2020 NEI Final V1 dataset, while the 2020 NEI Data – Data Summaries page "Biogenics" link 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 in an EPA data file emailed to Connecticut DEEP found in Appendix J, Figure J-1 and Table J-1. [224]

The equation used to calculate the summer day emissions can be found in Appendix B.1, example 7. The equation is applied for individual pollutants and counties, where the typicaly equation used for area source activity adjusts activity and is the same factor for all pollutants and counties.

[223] U.S Environmental Protection Agency, "Biogenics- Vegetation and Soil". March 2023 Release of the 2020 NEI Technical Support Document. NEI2020_TSD_Section8_Biogenics_0.pdf (epa.gov).
[224] Vukovich, J. Email communication with Steven Potter. May 14, 2024.

Table 5-1: 2020 Annual Emissions of Biogenic Sources

County	Annual Emissions [TPY]		
	VOC	NO_X	CO
Fairfield	7,274	65	540
Hartford	8,910	156	737
Litchfield	11,348	97	1,017
Middlesex	6,271	50	428
New Haven	7,438	86	554
New London	9,098	76	608
Tolland	6,812	62	502
Windham	7,998	63	560
Connecticut	**65,150**	**655**	**4,947**

Table 5-2: 2020 Estimated Summer Day Emissions of Biogenic Sources

County	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield	117,758	554	7,663
Hartford	144,714	1,384	10,256
Litchfield	182,192	861	13,939
Middlesex	100,855	427	5,898
New Haven	120,803	738	7,760
New London	146,807	638	8,397
Tolland	109,453	529	6,898
Windham	129,809	536	7,720
Connecticut	**1,052,391**	**5,666**	**68,531**

Section 5 References

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Section 6 Quality Assurance Audit

This section is currently under internal review in conjunction with the public comment period.

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 2020 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 to 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 Department of Environmental Protection (DEP), now known as 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 Permitting section of the CT DEEP Air Bureau processed the registration forms. Permitters 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 Pre-Inspection 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 subsequent 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 2020 periodic stationary source inventory was based on emissions statements, which reported the source's actual 2020 emissions signed by a corporate officer who attested to the accuracy of their calculations. Emissions for 76 facilities were submitted to EIS for the 2020 National Emissions Inventory. Compliance with the emissions statement program was 100 percent from all Title V facilities.

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 3: Annual Actual Emissions

Equation IV:

$$E_s = F * EF * \frac{T_s}{W_s * D_s}$$

Equation 4: Seasonal Actual Emission Rate

Equation V:

$$E_s = 2{,}000 E_a \frac{T_s}{W_s * D_s}$$

Equation 5: 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

Equation VI:

$$L_L = \frac{S * TVP * M_v}{R * T} = 12.46 \frac{S * TVP * M_v}{T}$$

Equation 6: 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**

For a given year, 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?

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:

$$E_{s,NO_x} = \frac{601 \frac{10^3\ gal}{year} * 47 \frac{lb}{10^3\ gal} * 10 \frac{\%\ year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = \boxed{31.04 \frac{lb}{day}}$$

$$E_{s,CO} = \frac{601 \frac{10^3\ gal}{year} * 5 \frac{lb}{10^3\ gal} * 10\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = \boxed{3.30 \frac{lb}{day}}$$

$$E_{s,VOC} = \frac{601 \frac{10^3\ gal}{year} * 1.605 \frac{lb}{10^3\ gal} * 10\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 7 \frac{days}{week}} = \boxed{1.06 \frac{lb}{day}}$$

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.

Example 2 **Gasoline Loading Facility**

A gas station was supplied with 90 million gallons of gasoline (RVP=10) in a given year. 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?

Find: $E_{s,VOC}$

To find E_s, Equation IV should be used with the Equation I control efficiency terms:

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

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)

$$TVP = 5.2\ psia \text{ (AP-42 Table 7.1-2)}$$

$$M_v = 66 \frac{lb}{lbmol} \text{ (AP-42 Table 7.1-2)}$$

Solution: $EF_{VOC} = 12.46 \frac{lbmol * °R}{psia * 10^3\ gal} \frac{1.00 * 5.2\ psia * 66 \frac{lb}{lbmol}}{(60+459.67)\ °R} = 8.23 \frac{lb}{10^3\ gal}$

$$E_{s,VOC} = \frac{90{,}000\ \frac{10^3\ gal}{year} * 8.23\ \frac{lb}{10^3\ gal} * 27\% \frac{year}{summer}}{13 \frac{weeks}{summer} * 6 \frac{days}{week}} * [1 - (0.97 * 0.98 * 1)] = \boxed{127 \frac{lb}{day}}$$

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

A sample calculation implementing this Example 3 equation for SCC 21-02-004-002 annual VOC emissions in Fairfield County from Appendix I Area Source Table I-1 Subpart 4.1.2.2: ICI Distillate Oil Combustion is shown below. The summer day fraction, days per week, and weeks of emission per summer for this specific SCC were found in Appendix D Table D-2.

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$Sd_j = 2000 * \frac{25}{100 * 13 * 6} = \boxed{6.410}$$

$$E_{ij} = Ea_{ij} * Sd_j$$

$$E_{ij} = 1.2 * 6.410 = \boxed{7.69 \frac{lbs}{day}}$$

Example 4 **Commercial Marine Vessels**

A sample calculation implementing the Example 3 equation for SCC 22-80-002-100 annual VOC 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 VOC emissions for 22-80-002-101 in Fairfield County of Appendix G Table G-23.

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$Sd_j = 2000 * \frac{25}{100 * 13 * 7} = \boxed{5.495}$$

$$E_{ij} = Ea_{ij} * Sd_j$$

$$E_{ij} = 0.12 * 5.495 = \boxed{0.67 \frac{lbs}{day}}$$

Example 5 Locomotives

A sample calculation implementing the Example 3 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.

$$Sd_j = 2000 * \frac{Spa_j}{100 * Wps_j * Dpw_j}$$

$$Sd_j = 2000 * \frac{25}{100 * 13 * 5} = \boxed{7.692}$$

$$E_{ij} = Ea_{ij} * Sd_j$$

$$E_{ij} = 43.79 * 7.692 = \boxed{336.8 \frac{lb}{day}}$$

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:

$$E_i = 0.01358 * 0.133 * \frac{2000}{92\ days} = \boxed{0.039 \frac{lbs\ VOC}{day}}$$

Example 7 Biogenic Summer Day Emissions Calculation

$$E_{ic} = 2000 * \frac{jun\ value_{ic} + jul\ value_{ic} + aug\ value_{ic}}{days}$$

Where:

E_{ic} = Total biogenic emissions of pollutant *i* in pounds per day for county c
2000 = Conversion factor of pounds per ton
$jun\ value_{ic}$ = Total biogenic emissions of pollutant *i* in tons for county c in the month of June.
$jul\ value_{ic}$ = Total biogenic emissions of pollutant *i* in tons for county c in the month of July.
$aug\ value_{ic}$ = Total biogenic emissions of pollutant *i* in tons for county c 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:

$$E_{ic} = 2000 * \frac{1{,}585.85 + 2{,}130.07 + 1{,}700.94}{92\ days} = \boxed{117{,}758\ \frac{lb\ VOC}{day}}$$

This formula differs from the formula typically used for area source summer day allocation which applies the same allocation factor for all pollutants and all counties for an SCC.

Appendix C Point Source Inventory

Table C-1: 2020 Annual Emissions of Connecticut Point Sources

EIS Identifier	Site Name	City/Town	SIC	2020 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_x	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
Fairfield											
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	4922	7.24	14.41	9.47	4.03	4.03	0.38	0	0
14623611	WATERSIDE POWER LLC	STAMFORD	4911	0.02	2.5	0.49	0.07	0.07	0.01	0	0.0001
17997311	Tilcon Connecticut Inc. - Danbury	DANBURY	2951	2.7	0.06	0.01	0.43	0.43	7.03	0	0
2722211	KINGSWOOD KITCHENS INC	DANBURY	2434	7.04	0.18	0.05	0.69	0.14	0	0	0
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	4911	0	1.2	1.9	0.08	0.08	0.01	0	0.0001
533411	Total Petrochemical and Refining	STRATFORD	2869	21.38	0.37	0.31	0.03	0.03	0	0.01	0
552411	NORWALK HOSPITAL ASSOCIATION	NORWALK	8062	0.85	14.39	2.64	1.78	1.78	0.11	0.02	0
588811	Spartech, LLC	STAMFORD	3081	4.69	3.99	3.29	0.3	0.3	0.02	0.04	0
589611	HAMPFORD RESEARCH INC	STRATFORD	2869	4.22	0.01	0	0	0	0.01	0	0
642511	SIKORSKY AIRCRAFT CORPORATION	STRATFORD	3721	16.87	5.67	4.98	9.09	9.05	0.3	0.98	0.0001
754211	Sprague Operating Resources, LLC	BRIDGEPORT	5171	23.63	0.02	0	0	0	0	0	0
754311	PSEG PWR CT LLC/BPT HARBOR STA	BRIDGEPORT	4911	2.39	77.81	3.63	0.36	0.32	11.2	6.58	0
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	4953	7.59	961.27	60.99	67.22	67.22	73.57	7.14	0.0696
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	4911	19.67	130.81	158.1	12.84	10.92	3.76	25.87	0
Total for Fairfield County				**118.3**	**1,212.69**	**245.87**	**96.93**	**94.36**	**96.43**	**40.62**	**0.0699**
Hartford											
14622811	Manchester Landfill Premises	MANCHESTER	4953	6.61	4.9	2.7	1.63	1.62	64.57	22.78	0.0029
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	3724	7.36	49.84	44.71	5.12	5.11	0.77	6.44	0.0001

EIS Identifier	Site Name	City/Town	SIC	2020 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_x	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
2673711	SUPREME LAKE MFG CO	SOUTHINGTON	3451	0	0	0	0	0	0	0	0
552311	M D C /HARTFORD WPCF	HARTFORD	4952	10.97	69.64	24.9	4.86	4.84	18.41	205.8	0.001
588711	COVANTA BRISTOL, INC	BRISTOL	4953	2.28	236.42	33.3	7.73	5.89	26.23	6.2	0.0164
589711	ALGONQUIN POWER WINDSOR LOCKS.	WINDSOR LOCKS	4911	1.47	26.88	16.8	10.49	10.49	0.08	0.98	0.0001
715611	MIRA / MID-CONNECTICUT	HARTFORD	4953	33.6	522.56	225.41	14.67	14.55	24.94	9.42	0.0319
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	3728	17.33	5.05	3.09	4.46	4.46	0.31	4.37	0
769211	FIRESTONE BUILDING PRODUCTS CO	BRISTOL	3086	41.5	2.35	1.43	0.13	0.13	0.02	0.05	0
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	4911	0.38	10.34	4.19	1.97	1.5	0.05	0.05	0
918811	STANLEY TOOLS DIV	NEW BRITAIN	3423	55.61	48.04	40.35	1.48	1.48	0.29	0.25	0.0002
Total for Hartford County				**177.1**	**976.02**	**396.88**	**52.54**	**50.08**	**135.7**	**256.4**	**0.0527**
Lichfield											
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	4911	0	2.21	0.01	0	0	0	0	0
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	4911	0	0.94	0	0	0	0	0	0
845911	KIMBERLY-CLARK CORP	NEW MILFORD	2621	10.57	24.43	16.78	15.43	13.77	0.77	4.38	0.0001
Total for Litchfield County				**10.57**	**27.58**	**16.8**	**15.43**	**13.77**	**0.78**	**4.38**	**0.0001**
Middlesex											
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	4911	2.59	44.69	18.30	9.13	9.13	3.89	3.79	0.00001
17876611	MATTABASSETT DISTRICT	CROMWELL	4952	0.42	6.82	1.28	0.54	0.54	0.05	0.02	0.00004

EIS Identifier	Site Name	City/Town	SIC	2020 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_x	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	4922	15.83	12.84	17.62	1.36	1.36	3.94	0	0
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	4911	10.91	244.14	149.73	16.17	16.17	52.61	14.35	0.0023
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	3724	7.08	265.33	66.12	3.49	3.49	16.37	2.07	0.0004
Total for Middlesex County				**36.83**	**573.82**	**253.06**	**30.69**	**30.68**	**76.86**	**20.22**	**0.0027**
New Haven											
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	3353	33.07	1.46	1.35	0.79	0.79	0.007	0	0
14623311	ALGONQUIN GAS TRANSMISSION LLC	OXFORD	4922	12.07	14.47	41.07	2.52	2.52	5.46	0	0
14624011	Wallingford Energy LLC	WALLINGFORD	4911	2.1	7.88	8.65	4.61	4.61	0.48	2.24	0
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	4911	0.02	0.69	0.52	0.11	0.11	0.01	0	0
15588211	WATERBURY GENERATION, LLC	WATERBURY	4911	0.22	1.54	0.17	0.5	0.5	0.07	0.49	0
15588611	ROEHM AMERICA LLC	WALLINGFORD	2821	7.83	0.42	0.27	0.13	0.13	0.01	0.01	0
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	4911	0	0.63	0	0	0	0	0	0
17876411	Waterbury Water Pollution Control Facility	WATERBURY	4952	0.21	8.35	2.73	0.2	0.2	23.48	0.01	0.0002
17876511	OMI WEST HAVEN /WPCF (S.S.I.)	WEST HAVEN	4952	0	0	0	0	0	0	0	0
18867011	TOWANTIC ENERGY LLC	OXFORD	4911	0.67	102.7	3.34	14.32	14.32	0.76	23.01	0.0035
2708911	MILFORD POWER CO, LLC	MILFORD	4911	11.52	99.1	57.34	50.33	50.33	7.71	68.9	0
2709611	GREATER NEW HAVEN WPCA	NEW HAVEN	4952	0.92	23.94	16.84	1.51	1.51	5.2	0	0.0002
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	3356	15.08	1.96	1.49	0.61	0.61	0.01	0.05	0
555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	NEW HAVEN	5171	50.26	0.47	1.79	0.02	0.02	0.02	0	0

EIS Identifier	Site Name	City/Town	SIC	2020 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_x	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	4226	2.87	0	0	0	0	0	0	0
555711	SOMERS THIN STRIP	WATERBURY	3351	3.33	2.7	2.19	0.2	0.2	0.02	0.08	0
590011	DEVON POWER, LLC	MILFORD	4911	0.1	7.4	0.9	0.77	0.77	0.08	0.15	0.0007
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	4911	1.01	11.76	3.93	1.25	1.15	3.56	0.46	0.0004
658111	Allnex USA, Inc	WALLINGFORD	2821	32.33	29.22	14.6	5.76	5.76	0.11	1.9	0.0001
843211	Buckeye PT Terminals, L.P. (Waterfront Terminal)	NEW HAVEN	4226	58.69	0.06	0.02	0.01	0.01	0	0	0
843911	YALE UNIV /CENTRAL POWER PLT	NEW HAVEN	8221	8.19	6.28	1.81	9.03	9.03	1.69	0.23	0.0002
844411	Buckeye PT Terminals, L.P. (Forbes Terminal)	NEW HAVEN	4226	30.93	1.86	4.57	0.02	0.02	0	0.01	0
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	4226	2.71	0	0	0	0	0	0	0
898011	NAUGATUCK POTW	NAUGATUCK	4952	1.11	7.21	9.56	1.52	1.52	1.94	0	0.0014
898111	YALE UNIV, SCHOOL OF MEDICINE	NEW HAVEN	8221	4.08	11.51	6.97	4.37	4.37	1.71	0.58	0.0002
918711	GULF OIL L.P.	NEW HAVEN	5171	49.98	0	0	0	0	0	0	0
Total for New Haven County				**329.31**	**341.61**	**180.11**	**98.59**	**98.49**	**52.32**	**98.12**	**0.0069**
New London											
15588311	The Gilman Brothers Company	BOZRAH	3089	33.45	0.51	0.13	0.07	0.05	0.50	0.02	0
15588411	AMERICAS STYRENICS, LLC	LEDYARD	2821	5.65	4.23	1.73	0.69	0.69	0.01	0.05	0
16708111	Tunnel Station	PRESTON	4911	0	2.79	0.01	0.05	0.05	0	0	0.0001
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	4911	0	1.69	0.01	0.02	0.02	0.02	0	0
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	9711	5.21	21.21	37.1	2.25	2.24	0.32	0.65	0.0001
552611	MONTVILLE POWER, LLC	MONTVILLE	4911	1.29	28.36	7.12	3.55	3.55	24.15	0.87	0.001
590111	Millstone Power Station	WATERFORD	4911	0.65	12.44	3.85	0.42	0.35	0.04	0.06	0.0001

EIS Identifier	Site Name	City/Town	SIC	2020 Annual Connecticut Point Source Emissions [TPY]							
				VOC	NO_x	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	4953	0.4	309.59	63.07	7.73	5.87	28.9	10.12	0.0088
8501611	WHEELABRATOR LISBON INC	LISBON	4953	0.57	237.5	16.56	11.28	11.28	21.55	3.47	0.0013
921211	PFIZER INC	GROTON	8731	3.42	51.76	36.96	7.72	7.72	1.4	0.22	0.0003
922211	ELECTRIC BOAT CORP	GROTON	3731	18.28	6.69	3.94	0.43	0.42	0.03	0.16	0
Total for New London County				**68.92**	**676.77**	**170.48**	**34.20**	**32.23**	**76.92**	**15.62**	**0.0117**
Tolland											
642611	UNIV OF CT / STORRS	MANSFIELD	8221	5.63	31.87	33.95	17.76	17.74	2.48	7.79	0.0003
Total for New London County				**5.63**	**31.87**	**33.95**	**17.76**	**17.74**	**2.48**	**7.79**	**0.0003**
Windham											
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	4911	0.98	144.25	73.58	24.55	24.55	4.04	1.69	0.02
2765911	FRITO-LAY INC	KILLINGLY	2096	2.26	11.8	12.22	23.95	23.7	0.22	0.55	0.0001
751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	CHAPLIN	4922	9.8	11.08	20.03	1.88	1.88	5.6	0	0
844711	LAKE ROAD GENERATING CO, LLC	KILLINGLY	4911	17.03	130.57	51.76	55.02	55.02	11.08	81	0
844811	Sonoco Protective Solutions, Inc	PUTNAM	3086	56.7	2.96	2.48	0.22	0.22	0.02	0.09	0
Total for Windham County				**86.77**	**300.66**	**160.07**	**105.62**	**105.37**	**20.96**	**83.33**	**0.0201**
Connecticut Statewide Total				**833.45**	**4141.02**	**1457.22**	**451.75**	**442.72**	**462.41**	**526.46**	**0.1658**

Table C-2: 2020 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions

EIS Identifier	Site Name	NAICS Code	2020 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions [lb/year]		
			NH_3	CO	Lead
Fairfield					
2738211	Superior Plating Co	332813	0.00	0.00	1.1500
9797611	Anco Engineering Inc	332439	0.00	0.00	19.8000
Total for Fairfield County			**0.00**	**0.00**	**20.9500**
Hartford					
17052411	AHLSTROM NONWOVENS LLC	313230	35,216.00	0.00	0.0000
1906511	Windsor / Bloomfield Landfill	562212	0.00	247.72	0.0000
2659411	Ensign-Bickford Co	325920	0.00	0.00	0.9600
2673511	ColtS Mfg Co Inc	332994	0.00	0.00	2.4700
2775911	Taylor & Fenn Co	331511	0.00	0.00	1.9900
2789711	Goodrich Pump & Engine Control Sys Inc	336412	0.00	0.00	0.9110
2789811	Nutmeg Chrome Corp	332813	0.00	0.00	0.0229
2790011	Component Tech Inc	332813	1,886.00	0.00	0.0000
2790111	Torrey S Crane	331491	0.00	0.00	1.6160
2790211	Northeastern Shaped Wire Inc	331222	116.37	0.00	0.0000
589711	ALGONQUIN POWER WINDSOR LOCKS	221112	563.00	0.00	
Total for Hartford County			**37,781.37**	**247.72**	**7.9699**
Litchfield					
2674411	Minteq/Specialty Minerals Inc	331491	0.00	0.00	5.7300
2674911	Summit Corp Of America	332813	0.00	0.00	160.0000
9790511	Oldcastle Retail Inc (Dba Bonsal American)	327999	0.00	0.00	0.1000
Total for Litchfield County			**0.00**	**0.00**	**165.8300**

EIS Identifier	Site Name	NAICS Code	2020 Annual Toxic Release Inventory (TRI) Supplement to Connecticut Point Source Emissions [lb/year]		
			NH_3	CO	Lead
New Haven					
2660711	American Electro Prods Inc	332813	0.00	0.00	0.0050
2708211	Mossberg & Sons Inc O F	332994	0.00	0.00	0.6160
2722911	Kerite Co	335929	0.00	0.00	0.6000
2723511	Schick Mfg Inc	33221	19.00	0.00	0.0000
2723711	Honeywell Fire Sys	334290	0.00	0.00	0.1600
2724111	Tech Circuits Inc	334418	0.00	0.00	0.0200
7948611	Sargent Manufacturing Co	332999	0.00	0.00	0.1000
9788411	Jensen Industries Inc.	339114	0.00	0.00	0.2000
Total for New Haven County			**19.00**	**0.00**	**1.7010**
New London					
2764611	U S Coast Guard Academy	611310	0.00	0.00	0.8522
Total for New London County			**0.00**	**0.00**	**0.8522**
Tolland					
2765411	Tyco Printed Circuit Group Stafford Div	334412	0.00	0.00	0.3000
2765511	Tyco Printed Circuit Group	334412	0.00	0.00	0.0100
Total for Tolland County			**0.00**	**0.00**	**0.3100**
Total for Windham County			**0.00**	**0.00**	**0.0000**
Connecticut Statewide Total			**37,800.37**	**247.72**	**197.6131**

Table C-3: 2020 Summer Day Emissions of Point Sources

EIS Identifier	Site Name	Town	SIC	2020 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NOx	CO
Fairfield						
14621711	IROQUOIS PIPELINE OPERATING CO	BROOKFIELD	4922	84.12	96.24	43.10
14623611	WATERSIDE POWER LLC	STAMFORD	4911	2.18	1,812.29	159.78
17997311	Tilcon Connecticut Inc. - Danbury	DANBURY	2951	21.36	0.84	0.21
2722211	KINGSWOOD KITCHENS INC	DANBURY	2434	66.99	0.40	0.10
2722511	CONNECTICUT JET POWER, LLC	GREENWICH	4911	0.69	309.62	479.10
533411	Total Petrochemical and Refining	STRATFORD	2869	110.07	1.24	1.04
552411	NORWALK HOSPITAL ASSOCIATION	NORWALK	8062	2.44	63.30	8.94
588811	Spartech, LLC	STAMFORD	3081	26.44	20.28	16.76
589611	HAMPFORD RESEARCH INC	STRATFORD	2869	29.96	0.70	0.59
642511	SIKORSKY AIRCRAFT CORPORATION	STRATFORD	3721	111.11	64.36	46.56
754211	Sprague Operating Resources, LLC	BRIDGEPORT	5171	157.67	1.88	0.27
754311	PSEG PWR CT LLC/BPT HARBOR STA	BRIDGEPORT	4911	14.58	484.01	13.23
754411	WHEELABRATOR BRIDGEPORT LP	BRIDGEPORT	4953	45.31	5,654.46	359.28
754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT	4911	190.52	1,280.40	119.09
Total for Fairfield County				**863.45**	**9,790.04**	**1,248.03**
Hartford						
14622811	Manchester Landfill Premises	MANCHESTER	4953	37.29	58.05	18.73
2673411	PRATT & WHITNEY DIV UTC	EAST HARTFORD	3724	81.23	567.62	488.54
2673711	SUPREME LAKE MFG CO	SOUTHINGTON	3451	0.00	0.00	0.00
552311	M D C /HARTFORD WPCF	HARTFORD	4952	80.58	577.51	1,836.42
588711	COVANTA BRISTOL, INC	BRISTOL	4953	13.75	1,504.11	153.62
589711	ALGONQUIN POWER WINDSOR LOCKS.	WINDSOR LOCKS	4911	47.06	495.64	306.95
715611	MIRA / MID-CONNECTICUT	HARTFORD	4953	270.81	6,166.03	2,219.36
753011	HAMILTON SUNDSTRAND CORP	WINDSOR LOCKS	3728	153.64	911.60	259.81

EIS Identifier	Site Name	Town	SIC	2020 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NOx	CO
769211	FIRESTONE BUILDING PRODUCTS CO	BRISTOL	3086	243.29	9.28	4.68
844911	Capitol District Energy Center Cogeneration Associates	HARTFORD	4911	4.47	409.21	189.26
918811	STANLEY TOOLS DIV	NEW BRITAIN	3423	415.21	19.44	16.33
Total for Hartford County				**1,347.33**	**10,718.48**	**5,493.69**
Litchfield						
16708411	Connecticut Jet Power LLC, Torrington Terminal	TORRINGTON	4911	0.10	181.13	0.77
16712111	Connecticut Jet Power LLC, Franklin Drive	TORRINGTON	4911	0.06	101.50	0.45
845911	KIMBERLY-CLARK CORP	NEW MILFORD	2621	60.59	121.50	84.99
Total for Litchfield County				**60.74**	**404.14**	**86.21**
Middlesex						
14622911	KLEEN ENERGY SYSTEM PROJECT	MIDDLETOWN	4911	12.03	649.19	128.94
17876611	MATTABASSETT DISTRICT	CROMWELL	4952	2.10	28.55	2.42
2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	CROMWELL	4922	125.33	186.73	544.29
715711	MIDDLETOWN POWER LLC	MIDDLETOWN	4911	264.48	4,869.88	3,822.13
920511	PRATT & WHITNEY DIV UTC	MIDDLETOWN	3724	51.34	2,875.98	579.44
Total for Middlesex County				**455.28**	**8,610.32**	**5,077.22**
New Haven						
14623211	UNITED ALUMINUM CORP	NORTH HAVEN	3353	136.23	10.81	11.54
14623311	ALGONQUIN GAS TRANSMISSION LLC	OXFORD	4922	201.25	398.92	996.87
14624011	Wallingford Energy LLC	WALLINGFORD	4911	40.85	133.85	192.20
14624411	PIERCE GENERATING STATION (Wallingford)	WALLINGFORD	4911	1.31	40.21	30.03
15588211	WATERBURY GENERATION, LLC	WATERBURY	4911	5.56	38.58	4.51
15588611	ROEHM AMERICA LLC	WALLINGFORD	2821	57.77	14.14	1.69
16708311	Connecticut Jet Power LLC, Branford Substation	BRANFORD	4911	0.08	125.39	0.63
17876411	Waterbury Water Pollution Control Facility	WATERBURY	4952	4.17	97.31	30.51
17876511	OMI WEST HAVEN /WPCF (S.S.I.)	WEST HAVEN	4952	0.00	0.00	0.00

EIS Identifier	Site Name	Town	SIC	2020 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NOx	CO
18867011	TOWANTIC ENERGY LLC	OXFORD	4911	8.61	674.14	51.08
2708911	MILFORD POWER CO, LLC	MILFORD	4911	73.24	645.64	401.99
2709611	GREATER NEW HAVEN WPCA	NEW HAVEN	4952	5.18	138.84	93.44
2711211	AMETEK SPECIALTY METAL PRODUCT	WALLINGFORD	3356	99.15	17.33	14.56
555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	NEW HAVEN	5171	279.55	2.28	9.44
555611	NEW HAVEN TERMINAL, INC	NEW HAVEN	4226	20.75	0.00	0.00
555711	SOMERS THIN STRIP	WATERBURY	3351	18.90	9.13	7.47
590011	DEVON POWER, LLC	MILFORD	4911	28.14	1,074.11	195.16
643411	PSEG FOSSIL LLC/ POWER CT LLC	NEW HAVEN	4911	215.44	1,192.43	938.13
658111	Allnex USA, Inc	WALLINGFORD	2821	170.75	92.23	61.97
843211	Buckeye PT Terminals, L.P. (Waterfront Terminal)	NEW HAVEN	4226	276.03	0.35	0.10
843911	YALE UNIV /CENTRAL POWER PLT	NEW HAVEN	8221	58.60	109.42	22.96
844411	Buckeye PT Terminals, L.P. (Forbes Terminal)	NEW HAVEN	4226	148.93	9.68	23.13
897811	NEW HAVEN TERMINAL, INC	EAST HAVEN	4226	17.05	0.00	0.00
898011	NAUGATUCK POTW	NAUGATUCK	4952	6.18	40.16	53.29
898111	YALE UNIV, SCHOOL OF MEDICINE	NEW HAVEN	8221	13.49	187.05	56.31
918711	GULF OIL L.P.	NEW HAVEN	5171	282.80	0.00	0.00
Total for New Haven County				**2,170.01**	**5,051.99**	**3,197.03**
New London						
15588311	The Gilman Brothers Company	BOZRAH	3089	314.79	2.73	0.68
15588411	AMERICAS STYRENICS, LLC	LEDYARD	2821	40.25	21.75	8.37
16708111	Tunnel Station	PRESTON	4911	0.03	34.20	0.17
16708211	NORWICH PUBLIC UTIL/ELECT	NORWICH	4911	0.01	12.32	0.05
2661611	U S NAVAL SUBMARINE BASE NEW LONDON	GROTON	9711	18.98	37.93	35.27
552611	MONTVILLE POWER, LLC	MONTVILLE	4911	375.88	11,466.72	2,229.00
590111	Millstone Power Station	WATERFORD	4911	9.61	96.34	31.05

EIS Identifier	Site Name	Town	SIC	2020 Summer Day Connecticut Point Source Emissions [lb/day]		
				VOC	NOx	CO
754611	COVANTA SOUTHEASTERN CT CO	PRESTON	4953	2.66	2,084.65	398.82
8501611	WHEELABRATOR LISBON INC	LISBON	4953	3.91	1,383.89	98.91
921211	PFIZER INC	GROTON	8731	35.49	711.10	277.17
922211	ELECTRIC BOAT CORP	GROTON	3731	103.05	68.78	14.95
Total for New London County				**904.65**	**15,920.40**	**3,094.44**
Tolland						
642611	UNIV OF CT / STORRS	MANSFIELD	8221	60.49	449.02	327.90
Total for Tolland County				**60.49**	**449.02**	**327.90**
Windham						
16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD	4911	5.35	1.63	0.37
2765911	FRITO-LAY INC	KILLINGLY	2096	13.33	69.74	79.20
751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	CHAPLIN	4922	88.83	160.99	349.26
844711	LAKE ROAD GENERATING CO, LLC	KILLINGLY	4911	119.47	811.29	368.64
844811	Sonoco Protective Solutions, Inc	PUTNAM	3086	477.12	25.08	21.07
Total for Windham County				**704.08**	**1,068.73**	**818.54**
Connecticut Statewide Total				**6,566.04**	**52,013.12**	**19,343.06**

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-001-01	External Combustion Electric Generation: Boilers Anthracite Coal Anthracite Coal, Pulverized: Boiler	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	External Combustion Electric Generation: Boilers Anthracite Coal Boiler, 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	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal, Pulverized: Boiler, Wet Bottom	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	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal, Pulverized: Boiler, Dry Bottom	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	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Cyclone Furnace	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	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Spreader Stoker	0.05	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-01-002-05	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Traveling Grate (Overfeed) Stoker	0.05	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON
1-01-002-11	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Wet Bottom Tangential-fired	-	14	0.5	-	-	3.8E1*S	0.000565	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-002-12	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal, Pulverized: Boiler, Dry Bottom Tangential-fired	0.06	15	0.5	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.8E1*S	0.000565	-	TON
1-01-002-15	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Cell Burner	-	31	0.5	-	-	3.8E1*S	0.000565	-	TON
1-01-002-17	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.05	15.2	18	12.9	1.88	-	0.000565	-	TON
1-01-002-18	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	-	5	18	12.9	1.88	-	0.000565	-	TON
1-01-002-21	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal, Pulverized: Boiler, Wet Bottom	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-01-002-22	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal, Pulverized: Boiler, Dry Bottom	-	7.4	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-01-002-23	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cyclone Furnace	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-002-24	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Boiler, Spreader Stoker	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-01-002-25	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Boiler, Traveling Grate (Overfeed) Stoker	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-01-002-26	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal, Pulverized: Boiler, Dry Bottom Tangential-fired	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-01-002-35	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cell Burner	-	14	0.5	-	-	3.5E1*S	0.000565	-	TON
1-01-002-37	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Boiler, Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.05	15.2	18	16.6	1.88	-	0.000565	-	TON
1-01-002-38	External Combustion Electric Generation: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	-	-	-	-	-	-	0.000565	-	TON
1-01-003-00	External Combustion Electric Generation: Boilers Lignite Pulverized Lignite: Boiler, Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-01-003-01	External Combustion Electric Generation: Boilers Lignite Pulverized Lignite: Boiler, Dry Bottom Wall-fired	-	13	0.25	-	-	3E1*S	0.000565	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-003-02	External Combustion Electric Generation: Boilers Lignite Pulverized Lignite: Boiler, Dry Bottom Tangential-fired	-	7.1	0.6	-	-	3E1*S	0.000565	-	TON
1-01-003-03	External Combustion Electric Generation: Boilers Lignite Cyclone Furnace	-	15	0.6	-	-	3E1*S	0.000565	-	TON
1-01-003-04	External Combustion Electric Generation: Boilers Lignite Boiler, 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	External Combustion Electric Generation: Boilers Lignite Boiler, 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	External Combustion Electric Generation: Boilers Lignite Boiler, Atmospheric Fluidized Bed (See 101003-17 & -18)	-	3.6	0.15	-	-	1E1*S	0.000565	-	TON
1-01-003-17	External Combustion Electric Generation: Boilers Lignite Boiler, Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.03	3.6	-	-	-	1E1*S	0.000565	-	TON
1-01-003-18	External Combustion Electric Generation: Boilers Lignite Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	0.03	3.6	0.15	-	-	-	0.000565	-	TON
1-01-004-01	External Combustion Electric Generation: Boilers Residual Oil Residual Oil - Grade 6: Boiler, 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	External Combustion Electric Generation: Boilers Residual Oil Residual Oil - Grade 6: Boiler, Tangential-fired	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	External Combustion Electric Generation: Boilers Residual Oil 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

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-004-06	External Combustion Electric Generation: Boilers Residual Oil 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	External Combustion Electric Generation: Boilers Distillate Oil Distillate Oil - Grades 1 and 2: Boiler	0.2	24	5	2.3	1.55	1.42E2*S	0.8	0.00126	E3GAL
1-01-005-04	External Combustion Electric Generation: Boilers Distillate Oil Distillate Oil - Grade 4: Boiler, 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	External Combustion Electric Generation: Boilers Distillate Oil Distillate Oil - Grade 4: Boiler, Tangential-fired	1.1324	32	5	6.5	5.1	1.5E2*S	0.8	0.0004	E3GAL
1-01-006-01	External Combustion Electric Generation: Boilers Natural Gas Boiler, >= 100 Million BTU/hr	5.5	280	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-006-02	External Combustion Electric Generation: Boilers Natural Gas Boiler < 100 Million BTU, except tangential	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-006-04	External Combustion Electric Generation: Boilers Natural Gas Boiler, Tangential-fired	5.5	170	24	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-01-007-01	External Combustion Electric Generation: Boilers Process Gas Boiler, >= 100 Million BTU/hr	0.43	100	6.57	8.7	7.41	3.5	-	-	E6FT3
1-01-007-02	External Combustion Electric Generation: Boilers Process Gas Boiler < 100 Million Btu/hr	0.43	100	6.57	8.7	7.41	3.5	-	-	E6FT3
1-01-008-01	External Combustion Electric Generation: Boilers Petroleum Coke All Boiler Sizes	0.07	21	0.6	-	-	3.9E1*S	-	-	TON
1-01-009-01	External Combustion Electric Generation: Boilers Wood/Bark Waste Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02)+(5.00E-01))*9	-	0.225	-	0.000432	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-009-02	External Combustion Electric Generation: Boilers Wood/Bark Waste 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	External Combustion Electric Generation: Boilers Wood/Bark Waste 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	External Combustion Electric Generation: Boilers Wood/Bark Waste Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-01-009-10	External Combustion Electric Generation: Boilers Wood/Bark Waste Fuel cell/Dutch oven boilers	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-01-009-11	External Combustion Electric Generation: Boilers Wood/Bark Waste Stoker boilers	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-01-009-12	External Combustion Electric Generation: Boilers Wood/Bark Waste Fluidized bed combustion boiler	-	2	1.4	-	-	0.075	-	-	TON
1-01-010-01	External Combustion Electric Generation: Boilers Liquified Petroleum Gas (LPG) Butane	0.26	21	3.6	1.14	1.14	9.5E-2*S	-	-	E3GAL
1-01-010-02	External Combustion Electric Generation: Boilers Liquified Petroleum Gas (LPG) Propane	0.459	19	3.1	1.11	0.848	9.5E-2*S	-	-	E3GAL
1-01-011-01	External Combustion Electric Generation: Boilers Bagasse All Boiler Sizes	-	1.2	-	-	-	-	-	-	TON
1-01-012-01	External Combustion Electric Generation: Boilers Solid Waste Specify Waste Material in Comments	-	-	-	-	-	-	-	0.265	TON
1-01-012-02	External Combustion Electric Generation: Boilers Solid Waste Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-01-013-01	External Combustion Electric Generation: Boilers Liquid Waste Specify Waste Material in Comments	1	-	-	-	-	-	-	-	E3GAL
1-01-013-02	External Combustion Electric Generation: Boilers Liquid Waste Waste Oil	1	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-02-001-01	External Combustion Industrial: Boilers Anthracite Coal 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	External Combustion Industrial: Boilers Anthracite Coal 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	External Combustion Industrial: Boilers Anthracite Coal Hand-fired	10	3	90	-	-	3.9E1*S	0.000565	0.0089	TON
1-02-001-17	External Combustion Industrial: Boilers Anthracite Coal Fluidized Bed Boiler Burning Anthracite-Culm Fuel	-	1.8	0.3	-	-	2.9	0.000565	-	TON
1-02-002-01	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: 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	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: 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	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: 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	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Spreader Stoker	0.041	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-02-002-05	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Overfeed Stoker	0.041	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-002-06	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Underfeed Stoker	1.066	9.5	11	7.24	4.84	3.1E1*S	0.000565	0.013182	TON
1-02-002-10	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Overfeed Stoker	0.07	7.5	6	7.04	3.24	3.9E1*S	0.000565	0.0133	TON
1-02-002-12	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: 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	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Wet Slurry	-	-	-	-	-	-	0.000565	-	TON
1-02-002-17	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.041	15.2	18	12.9	1.88	-	0.000565	-	TON
1-02-002-18	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Atmospheric Fluidized Bed Combustion: Circulating Bed	-	5	18	12.9	1.88	-	0.000565	-	TON
1-02-002-19	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Cogeneration	0.07	15	0.6	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.9E1*S	0.000565	-	TON
1-02-002-21	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Wet Bottom	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-02-002-22	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Dry Bottom	-	12	0.5	-	-	3.5E1*S	0.000565	0.01014	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-002-23	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cyclone Furnace	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-02-002-24	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Spreader Stoker	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-02-002-25	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Traveling Grate (Overfeed) Stoker	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-02-002-26	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Dry Bottom (Tangential)	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-02-002-29	External Combustion Industrial: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cogeneration	0.06	14.4	0.6	-	-	3.5E1*S	0.000565	-	TON
1-02-003-00	External Combustion Industrial: Boilers Lignite Pulverized Coal: Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-02-003-01	External Combustion Industrial: Boilers Lignite Pulverized Coal: Dry Bottom, Wall Fired	0.07	-	-	-	-	3E1*S	0.000565	-	TON
1-02-003-02	External Combustion Industrial: Boilers Lignite Pulverized Coal: Dry Bottom, Tangential Fired	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON
1-02-003-03	External Combustion Industrial: Boilers Lignite Cyclone Furnace	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON
1-02-003-04	External Combustion Industrial: Boilers Lignite 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	External Combustion Industrial: Boilers Lignite 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	External Combustion Industrial: Boilers Lignite 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

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-004-01	External Combustion Industrial: Boilers Residual Oil 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	External Combustion Industrial: Boilers Residual Oil 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	External Combustion Industrial: Boilers Residual Oil < 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	External Combustion Industrial: Boilers Residual Oil Grade 5 Oil	-	47	5	10.1	7.1	1.57E2*S	0.8	-	E3GAL
1-02-004-05	External Combustion Industrial: Boilers Residual Oil 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	External Combustion Industrial: Boilers Distillate Oil Distillate Oil - Grades 1 and 2: Boiler	0.298	24	5	2.3	1.55	1.42E2*S	0.8	0.00126	E3GAL
1-02-005-02	External Combustion Industrial: Boilers Distillate Oil 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	External Combustion Industrial: Boilers Distillate Oil < 10 Million BTU/hr	0.298	20	5	2.3	1.55	1.42E2*S	0.8	0.0012	E3GAL
1-02-005-04	External Combustion Industrial: Boilers Distillate Oil Grade 4 Oil	0.298	47	5	7.5	5.4	1.5E2*S	0.8	0.0004	E3GAL
1-02-005-05	External Combustion Industrial: Boilers Distillate Oil Cogeneration	0.2	20	5	2.3	1.55	1.436E2*S	0.8	-	E3GAL
1-02-006-01	External Combustion Industrial: Boilers Natural Gas > 100 Million Btu/hr	5.5	280	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-02	External Combustion Industrial: Boilers Natural Gas 10-100 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-03	External Combustion Industrial: Boilers Natural Gas < 10 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	3.2	0.0005	E6FT3
1-02-006-04	External Combustion Industrial: Boilers Natural Gas Cogeneration	5.5	170	24	7.6	7.6	0.6	3.2	-	E6FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-006-99	External Combustion Boilers Industrial Natural Gas IND BLR: NAT GAS	5.94	100	84	-	-	0.6	-	-	E6FT3
1-02-007-01	External Combustion Industrial: Boilers Process Gas Petroleum Refinery Gas	2.8	140	35	8.7	8.7	9.5E2*S	-	-	E6FT3
1-02-007-04	External Combustion Industrial: Boilers Process Gas Blast Furnace Gas	-	23	13.7	8.6	8.6	9.5E2*S	-	-	E6FT3
1-02-007-07	External Combustion Industrial: Boilers Process Gas Coke Oven Gas	1.2	80	18.4	10.1	8.92	6.8E2*S	-	-	E6FT3
1-02-007-10	External Combustion Industrial: Boilers Process Gas Cogeneration	2.8	-	-	-	-	-	-	-	E6FT3
1-02-008-02	External Combustion Industrial: Boilers Petroleum Coke All Boiler Sizes	0.07	14	0.6	-	-	3.9E1*S	-	-	TON
1-02-008-04	External Combustion Industrial: Boilers Petroleum Coke Cogeneration	0.07	14	0.6	-	-	3.9E1*S	-	-	TON
1-02-009-01	External Combustion Industrial: Boilers Wood/Bark Waste 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	External Combustion Industrial: Boilers Wood/Bark Waste 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	External Combustion Industrial: Boilers Wood/Bark Waste 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	External Combustion Industrial: Boilers Wood/Bark Waste Bark-fired Boiler (< 50,000 Lb Steam)	0.22	1.5	13.6	-	-	0.07	-	0.0029	TON
1-02-009-05	External Combustion Industrial: Boilers Wood/Bark Waste Wood/Bark-fired Boiler (< 50,000 Lb Steam)	1.4	1.5	13.6	-	-	0.07	-	-	TON
1-02-009-06	External Combustion Industrial: Boilers Wood/Bark Waste Wood-fired Boiler (< 50,000 Lb Steam)	1.4	1.5	13.6	-	-	0.07	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-009-07	External Combustion Industrial: Boilers Wood/Bark Waste Wood Cogeneration	1.4	2.8	4	-	-	0.15	-	-	TON
1-02-009-08	External Combustion Industrial: Boilers Wood/Bark Waste Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-02-009-10	External Combustion Industrial: Boilers Wood/Bark Waste Fuel cell/Dutch oven boilers	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-02-009-11	External Combustion Industrial: Boilers Wood/Bark Waste Stoker boilers	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-02-009-12	External Combustion Industrial: Boilers Wood/Bark Waste Fluidized bed combustion boiler	-	2	1.4	-	-	0.075	-	-	TON
1-02-010-01	External Combustion Industrial: Boilers Liquified Petroleum Gas (LPG) Butane	0.648	21	3.6	1.14	1.14	9.000E-2*S	-	-	E3GAL
1-02-010-02	External Combustion Industrial: Boilers Liquified Petroleum Gas (LPG) Propane	0.54	19	3.2	1.11	1.11	1.000E-1*S	-	-	E3GAL
1-02-011-01	External Combustion Industrial: Boilers Bagasse All Boiler Sizes	-	1.2	-	-	-	-	-	-	TON
1-02-012-01	External Combustion Industrial: Boilers Solid Waste Specify Waste Material in Comments	2	5.9	-	-	-	1.6	-	-	TON
1-02-012-02	External Combustion Industrial: Boilers Solid Waste Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	0.13	TON
1-02-013-01	External Combustion Industrial: Boilers Liquid Waste Specify Waste Material in Comments	1	23	-	-	-	28	-	-	E3GAL
1-02-013-02	External Combustion Industrial: Boilers Liquid Waste Waste Oil	1.42	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-02-014-01	External Combustion Industrial: Boilers CO Boiler Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-02-014-02	External Combustion Industrial: Boilers CO Boiler Process Gas	2.8	140	35	-	-	9.5E2*S	-	-	E6FT3
1-02-014-03	External Combustion Industrial: Boilers CO Boiler Distillate Oil	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
1-02-014-04	External Combustion Industrial: Boilers CO Boiler Residual Oil	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
1-03-001-01	External Combustion Commercial/Institutional: Boilers Anthracite Coal 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	External Combustion Commercial/Institutional: Boilers Anthracite Coal 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	External Combustion Commercial/Institutional: Boilers Anthracite Coal Hand-fired	10	3	90	-	-	3.9E1*S	0.000565	0.0089	TON
1-03-002-03	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Cyclone Furnace	-	33	0.5	-	-	3.8E1*S	0.000565	0.013182	TON
1-03-002-05	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Wet Bottom	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	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Dry Bottom	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	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Overfeed Stoker	0.05	7.5	6	7.04	3.24	3.8E1*S	0.000565	0.013182	TON
1-03-002-08	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Underfeed Stoker	1.3	9.5	11	7.24	4.84	3.1E1*S	0.000565	0.0142	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-002-09	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Spreader Stoker	0.05	11	5	14.2	5.64	3.8E1*S	0.000565	0.013182	TON
1-03-002-11	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Overfeed Stoker	0.07	7.5	6	7.04	3.24	3.9E1*S	0.000565	-	TON
1-03-002-14	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Hand-fired	10	9.1	275	-	-	3.1E1*S	0.000565	0.0142	TON
1-03-002-16	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Pulverized Coal: Dry Bottom (Tangential)	0.06	15	0.5	((1E-1*S-3E-2)*26)+(2.3E0*A)	-	3.8E1*S	0.000565	-	TON
1-03-002-17	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Atmospheric Fluidized Bed Combustion: Bubbling Bed	0.05	15.2	18	12.9	1.88	-	0.000565	-	TON
1-03-002-18	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Bituminous Coal: Atmospheric Fluidized Bed Combustion: Circulating Bed	-	5	18	12.9	1.88	-	0.000565	-	TON
1-03-002-21	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Wet Bottom	-	24	0.5	-	-	3.5E1*S	0.000565	0.01014	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-002-22	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Dry Bottom	-	12	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-03-002-23	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Cyclone Furnace	-	17	0.5	-	-	3.5E1*S	0.000565	0.01014	TON
1-03-002-24	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Spreader Stoker	-	8.8	5	14	5.4	3.5E1*S	0.000565	0.01014	TON
1-03-002-25	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Traveling Grate (Overfeed) Stoker	-	7.5	6	6.8	3	3.5E1*S	0.000565	0.01014	TON
1-03-002-26	External Combustion Commercial/Institutional: Boilers Bituminous/Subbituminous Coal Subbituminous Coal: Pulverized Coal: Dry Bottom (Tangential)	-	8.4	0.5	-	-	3.5E1*S	0.000565	-	TON
1-03-003-00	External Combustion Commercial/Institutional: Boilers Lignite Pulverized Coal: Wet Bottom	-	-	-	-	-	-	0.000565	-	TON
1-03-003-05	External Combustion Commercial/Institutional: Boilers Lignite Pulverized Coal: Dry Bottom, Wall Fired	0.07	-	-	-	-	3E1*S	0.000565	-	TON
1-03-003-06	External Combustion Commercial/Institutional: Boilers Lignite Pulverized Coal: Dry Bottom, Tangential Fired	0.07	-	0.6	-	-	3E1*S	0.000565	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-003-07	External Combustion Commercial/Institutional: Boilers Lignite 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	External Combustion Commercial/Institutional: Boilers Lignite 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	External Combustion Commercial/Institutional: Boilers Residual Oil Residual Oil - Grade 6: Boiler	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	External Combustion Commercial/Institutional: Boilers Residual Oil 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	External Combustion Commercial/Institutional: Boilers Residual Oil < 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	External Combustion Commercial/Institutional: Boilers Residual Oil Grade 5 Oil	-	55	5	7.7	3.8	1.57E2*S	0.8	-	E3GAL
1-03-005-01	External Combustion Commercial/Institutional: Boilers Distillate Oil Distillate Oil - Grades 1 and 2: Boiler	0.5066	24	5	2.38	2.13	1.42E2*S	0.8	0.00126	E3GAL
1-03-005-02	External Combustion Commercial/Institutional: Boilers Distillate Oil 10-100 Million BTU/hr	0.5066	20	5	2.38	2.13	1.42E2*S	0.8	-	E3GAL
1-03-005-03	External Combustion Commercial/Institutional: Boilers Distillate Oil < 10 Million BTU/hr	0.5066	20	5	2.38	2.13	1.42E2*S	0.8	-	E3GAL
1-03-005-04	External Combustion Commercial/Institutional: Boilers Distillate Oil Grade 4 Oil	0.5066	20	5	2.38	2.13	1.5E2*S	0.8	0.0004	E3GAL
1-03-006-01	External Combustion Commercial/Institutional: Boilers Natural Gas > 100 Million Btu/hr	5.5	280	84	7.6	7.6	0.6	0.49	0.0005	E6FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-006-02	External Combustion Commercial/Institutional: Boilers Natural Gas 10-100 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	0.49	0.0005	E6FT3
1-03-006-03	External Combustion Commercial/Institutional: Boilers Natural Gas < 10 Million Btu/hr	5.5	100	84	7.6	7.6	0.6	0.49	0.0005	E6FT3
1-03-007-01	External Combustion Commercial/Institutional: Boilers Process Gas POTW Digester Gas-fired Boiler	3	-	-	-	-	4.5	-	-	E6FT3
1-03-009-01	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Bark-fired Boiler	0.153	1.98	5.4	((1.70E-02)+(5.00E-01))*9	-	0.225	-	0.000432	TON
1-03-009-02	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste 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	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste 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	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Wood-fired Boiler - Dry Wood (<20% moisture)	0.017	0.49	0.6	-	-	0.025	-	0.000048	E6BTU
1-03-009-10	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Fuel cell/Dutch oven boilers	0.18	0.38	6.6	-	-	0.075	-	-	TON
1-03-009-11	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Stoker boilers	0.22	1.5	13.6	-	-	0.075	-	-	TON
1-03-009-12	External Combustion Commercial/Institutional: Boilers Wood/Bark Waste Fluidized bed combustion boiler	-	2	1.4	-	-	0.075	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-03-010-01	External Combustion Commercial/Institutional: Boilers Liquified Petroleum Gas (LPG) Butane	0.5	15	2.1	1.04	1.04	9.000E-2*S	-	-	E3GAL
1-03-010-02	External Combustion Commercial/Institutional: Boilers Liquified Petroleum Gas (LPG) Propane	0.5076	14	1.9	0.906	0.906	1.000E-1*S	-	-	E3GAL
1-03-012-01	External Combustion Commercial/Institutional: Boilers Solid Waste Specify Waste Material in Comments	2	5.9	-	-	-	1.6	-	-	TON
1-03-012-02	External Combustion Commercial/Institutional: Boilers Solid Waste Refuse Derived Fuel	-	5	3.6	-	-	1.7	-	0.13	TON
1-03-013-01	External Combustion Commercial/Institutional: Boilers Liquid Waste Specify Waste Material in Comments	1	-	-	-	-	-	-	-	E3GAL
1-03-013-02	External Combustion Commercial/Institutional: Boilers Liquid Waste Waste Oil	0.142	19	5	-	-	1.47E2*S	-	2.2	E3GAL
1-05-001-01	External Combustion Boilers Space Heaters Industrial IND SPACE HEATER:ANT COAL	0.0574	18	0.6	-	-	39*S	-	0.0133	TON
1-05-001-02	External Combustion Space Heaters Industrial Coal	-	3	-	-	-	3.9E1*S	0.000565	-	TON
1-05-001-05	External Combustion Space Heaters Industrial Distillate Oil	0.298	20	5	3.76	1.92	1.436E2*S	0.8	0.0012	E3GAL
1-05-001-06	External Combustion Space Heaters Industrial Natural Gas	5.3	100	20	8.7	8.7	0.6	-	-	E6FT3
1-05-001-10	External Combustion Space Heaters Industrial Liquified Petroleum Gas (LPG)	0.54	20	3.4	1.13	1.13	9.5E-2*S	-	-	E3GAL
1-05-001-13	External Combustion Space Heaters Industrial Waste Oil: Air Atomized Burner	1	16	2.1	(5.700E1*A)+1.500E0	(4.554E1*A)+1.50E0	1.07E2*S	-	2	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
1-05-001-14	External Combustion Space Heaters Industrial 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	External Combustion Boilers Space Heaters Commercial/Institutional COM SPACE HEATER:ANT COAL	0.07	18	0.6	-	-	39*S	-	0.0133	TON
1-05-002-02	External Combustion Space Heaters Commercial/Institutional Coal	-	3	-	-	-	3.9E1*S	0.000565	-	TON
1-05-002-05	External Combustion Space Heaters Commercial/Institutional Distillate Oil	0.7	20	5	3.76	1.92	1.436E2*S	0.8	0.0012	E3GAL
1-05-002-06	External Combustion Space Heaters Commercial/Institutional Natural Gas	5.3	100	20	8.7	8.7	0.6	-	-	E6FT3
1-05-002-09	External Combustion Space Heaters Commercial/Institutional Wood	1.4	1.5	13.6	-	-	0.075	-	-	TON
1-05-002-10	External Combustion Space Heaters Commercial/Institutional Liquified Petroleum Gas (LPG)	0.54	14.5	2	0.976	0.976	9.5E-2*S	-	-	E3GAL
1-05-002-13	External Combustion Space Heaters Commercial/Institutional 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	External Combustion Space Heaters Commercial/Institutional 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	Internal Combustion Engines Electric Generation Distillate Oil (Diesel) Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-01-001-02	Internal Combustion Engines Electric Generation Distillate Oil (Diesel) Reciprocating	57.96	604	130	-	-	39.7	-	-	E3GAL
2-01-002-01	Internal Combustion Engines Electric Generation Natural Gas Turbine	2.1	320	82	0.31	0.19	(9.4E-1*S)*1000	-	-	E6FT3
2-01-002-02	Internal Combustion Engines Electric Generation Natural Gas Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
2-01-009-01	Internal Combustion Engines Electric Generation Kerosene/Naphtha (Jet Fuel) Turbine	0.0684	118.8	0.4455	-	-	(1.01*S)*135	-	0.0019	E3GAL
2-01-009-02	Internal Combustion Engines Electric Generation Kerosene/Naphtha (Jet Fuel) Reciprocating	42.75	595.35	128.25	-	-	39.15	-	-	E3GAL
2-02-001-01	Internal Combustion Engines Industrial Distillate Oil (Diesel) Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-02-001-02	Internal Combustion Engines Industrial Distillate Oil (Diesel) Reciprocating	57.96	604	130	-	-	-	-	-	E3GAL
2-02-001-03	Internal Combustion Engines Industrial Distillate Oil (Diesel) Turbine: Cogeneration	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-02-001-04	Internal Combustion Engines Industrial Distillate Oil (Diesel) Reciprocating: Cogeneration	57.96	604	130	-	-	39.7	-	-	E3GAL
2-02-002-01	Internal Combustion Engines Industrial Natural Gas Turbine	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-02-002-02	Internal Combustion Engines Industrial Natural Gas Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-02-002-03	Internal Combustion Engines Industrial Natural Gas Turbine: Cogeneration	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-02-002-04	Internal Combustion Engines Industrial Natural Gas Reciprocating: Cogeneration	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-02-002-52	Internal Combustion Engines Industrial Natural Gas 2-cycle Lean Burn	120	3170	386	48.3	48.3	0.588	-	-	E6FT3
2-02-002-53	Internal Combustion Engines Industrial Natural Gas 4-cycle Rich Burn	29.6	2270	3720	19.4	19.4	0.588	-	-	E6FT3
2-02-002-54	Internal Combustion Engines Industrial Natural Gas 4-cycle Lean Burn	118	4080	557	9.99	9.99	0.588	-	-	E6FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
2-02-003-01	Internal Combustion Engines Industrial Gasoline Reciprocating	281.1	205	7900	-	-	10.6	-	-	E3GAL
2-02-004-01	Internal Combustion Engines Industrial Other Fuels Diesel: Large Bore Engine	11.5	438	116	7.85	7.55	1.38E2*S	-	-	E3GAL
2-02-004-02	Internal Combustion Engines Industrial Other Fuels Dual Fuel (Oil/Gas): Large Bore Engine	-	-	-	57.3	55.6	-	-	-	E6FT3
2-02-004-03	Internal Combustion Engines Industrial Other Fuels Dual Fuel: Large Bore Engine: Cogeneration	-	-	-	0.0573	0.0556	-	-	-	E6BTU
2-02-005-01	Internal Combustion Engines Industrial Residual/Crude Oil Reciprocating	32.1	604	130	-	-	1.55E2*S	-	-	E3GAL
2-02-009-01	Internal Combustion Engines Industrial Kerosene/Naphtha (Jet Fuel) Turbine	5.4378	118.8	0.4455	1.593	1.4985	(1.01*S)*135	-	-	E3GAL
2-02-009-02	Internal Combustion Engines Industrial Kerosene/Naphtha (Jet Fuel) Reciprocating	42.75	595.35	128.25	-	-	39.15	-	-	E3GAL
2-03-001-01	Internal Combustion Engines Commercial/Institutional Distillate Oil (Diesel) Reciprocating	57.96	604	130	-	-	-	-	-	E3GAL
2-03-001-02	Internal Combustion Engines Commercial/Institutional Distillate Oil (Diesel) Turbine	0.0574	123.2	0.462	-	-	(1.01E0*S)*140	-	0.00196	E3GAL
2-03-001-03	Internal Combustion Engines Commercial/Institutional Distillate Oil (Diesel) COM/INS TURB:#2 OIL,COGEN	2.7132	97.72	6.72	-	-	141.4*S	-	0.0081	E3GAL
2-03-002-01	Internal Combustion Engines Commercial/Institutional Natural Gas Reciprocating	116	2840	399	20.1	20.1	0.6	-	-	E6FT3
2-03-002-02	Internal Combustion Engines Commercial/Institutional Natural Gas Turbine	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
2-03-002-03	Internal Combustion Engines Commercial/Institutional Natural Gas Turbine: Cogeneration	2.1	320	82	-	-	(9.4E-1*S)*1000	-	-	E6FT3
2-03-003-01	Internal Combustion Engines Commercial/Institutional Gasoline Reciprocating	282.1	205	7900	-	-	10.6	-	-	E3GAL
2-03-004-01	Internal Combustion Engines Commercial/Institutional Diesel Large Bore Engine	11.5	438	116	7.85	7.55	1.38E2*S	-	-	E3GAL
2-03-007-01	Internal Combustion Engines Commercial/Institutional Digester Gas Turbine	3.48	96	10.2	8.88	8.88	3.9	-	0.00204	E6FT3
2-03-008-01	Internal Combustion Engines Commercial/Institutional Landfill Gas Turbine	0.013	0.14	0.44	0.0248	0.0248	0.045	-	-	E6BTU
2-03-010-01	Internal Combustion Engines Commercial/Institutional Liquified Petroleum Gas (LPG) Propane: Reciprocating	34.03	139	129	-	-	0.35	-	-	E3GAL
2-03-010-02	Internal Combustion Engines Commercial/Institutional Liquified Petroleum Gas (LPG) Butane: Reciprocating	34.03	139	129	-	-	0.35	-	-	E3GAL
2-04-001-01	Internal Combustion Engines Engine Testing Aircraft Engine Testing Turbojet	52.44	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-02	Internal Combustion Engines Engine Testing Aircraft Engine Testing Turboshaft	52.44	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-10	Internal Combustion Engines Engine Testing Aircraft Engine Testing Jet A Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-11	Internal Combustion Engines Engine Testing Aircraft Engine Testing JP-5 Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-001-12	Internal Combustion Engines Engine Testing Aircraft Engine Testing JP-4 Fuel	46	14.6	32.7	-	-	13	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
2-04-001-99	Internal Combustion Engines Engine Testing Aircraft Engine Testing Other Not Classified	46	14.6	32.7	-	-	13	-	-	E3GAL
2-04-003-01	Internal Combustion Engines Engine Testing Turbine Natural Gas	6.9	300	120	18.8	18.8	0.6	-	-	E6FT3
2-04-003-02	Internal Combustion Engines Engine Testing Turbine Diesel/Kerosene	1.9557	97.7	6.72	-	-	1.4E2*S	-	-	E3GAL
2-04-004-01	Internal Combustion Engines Engine Testing Reciprocating Engine Gasoline	148	102	3940	-	-	5.31	-	-	E3GAL
2-04-004-02	Internal Combustion Engines Engine Testing Reciprocating Engine Diesel/Kerosene	32.1	604	130	-	-	39.7	-	-	E3GAL
3-01-001-01	Industrial Processes Chemical Manufacturing Adipic Acid General	42.7	-	115	-	-	-	-	-	TON
3-01-001-02	Industrial Processes Chemical Manufacturing Adipic Acid Raw Material Storage	2.2	-	-	-	-	-	-	-	TON
3-01-001-03	Industrial Processes Chemical Manufacturing Adipic Acid Cyclohexane Oxidation	0.55	1.4	0.49	-	-	-	-	-	TON
3-01-001-04	Industrial Processes Chemical Manufacturing Adipic Acid Nitric Acid Reaction	0.014	1.6	0.28	-	-	-	-	-	TON
3-01-001-05	Industrial Processes Chemical Manufacturing Adipic Acid Adipic Acid Refining	0.5	0.6	-	-	-	-	-	-	TON
3-01-001-06	Industrial Processes Chemical Manufacturing Adipic Acid Drying, Loading, and Storage	0.1	-	-	-	-	-	-	-	TON
3-01-001-07	Industrial Processes Chemical Manufacturing Adipic Acid Absorber	0.4	94.8	-	-	-	-	-	-	TON
3-01-001-80	Industrial Processes Chemical Manufacturing Adipic Acid Fugitive Emissions: General	61800	-	-	-	-	-	-	-	EACH
3-01-003-05	Industrial Processes Chemical Manufacturing Ammonia Production Feedstock Desulfurization	7.2	-	13.8	-	-	0.0576	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-003-06	Industrial Processes Chemical Manufacturing Ammonia Production Primary Reformer: Natural Gas Fired	0.012	5.4	0.136	-	-	0.0048	-	-	TON
3-01-003-07	Industrial Processes Chemical Manufacturing Ammonia Production Primary Reformer: Oil Fired	0.38	5.4	0.24	-	-	2.6	-	-	TON
3-01-003-08	Industrial Processes Chemical Manufacturing Ammonia Production Carbon Dioxide Regenerator	1.04	-	2	-	-	-	2	-	TON
3-01-003-09	Industrial Processes Chemical Manufacturing Ammonia Production Condensate Stripper	1.2	-	-	-	-	-	2.2	-	TON
3-01-005-04	Industrial Processes Chemical Manufacturing Carbon Black Production Oil Furnace Process: Main Process Vent	100	0.56	2800	-	-	-	-	-	TON
3-01-005-07	Industrial Processes Chemical Manufacturing Carbon Black Production Pellet Dryer	0.4	0.73	-	-	-	-	-	-	TON
3-01-005-10	Industrial Processes Chemical Manufacturing Carbon Black Production Main Process Vent with CO Boiler and Incinerator	1.98	9.3	1.75	-	-	35.2	-	-	TON
3-01-006-01	Industrial Processes Chemical Manufacturing Charcoal Manufacturing General	276.32	24	344	-	-	-	-	-	TON
3-01-006-03	Industrial Processes Chemical Manufacturing Charcoal Manufacturing Batch Kiln	270	24	290	-	-	-	-	-	TON
3-01-006-04	Industrial Processes Chemical Manufacturing Charcoal Manufacturing Continuous Kiln	270	24	290	-	-	-	-	-	TON
3-01-009-01	Industrial Processes Chemical Manufacturing Cleaning Chemicals Spray Drying: Soaps and Detergents	0.05	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-010-11	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Nitration Reactors Fume Recovery	-	25	-	-	-	-	-	-	TON
3-01-010-12	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Nitration Reactors Acid Recovery	-	55	-	-	-	-	-	-	TON
3-01-010-13	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Nitric Acid Concentrators	-	37	-	-	-	-	-	-	TON
3-01-010-14	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Sulfuric Acid Concentrators	-	40	-	-	-	14	-	-	TON
3-01-010-15	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Batch Process: Red Water Incinerator	1.1	26	-	-	-	2	-	-	TON
3-01-010-21	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Continuous Process: Nitration Reactor Fume Recover (Use 3-01-010-51)	-	8	-	-	-	-	-	-	TON
3-01-010-22	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Continuous Process: Nitration Reactor Acid Recover (Use 3-01-010-52)	-	3	-	-	-	-	-	-	TON
3-01-010-23	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Continuous Process: Red Water Incinerator (Use 3-01-010-53)	1.1	7	-	-	-	0.24	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-010-30	Industrial Processes Chemical Manufacturing Explosives (Trinitrotoluene) Open Burning: Waste	1.1	150	56	-	-	-	-	-	TON
3-01-012-02	Industrial Processes Chemical Manufacturing Hydroflouric Acid Rotary Kiln: Acid Reactor	-	0.07	-	-	-	2.7	-	-	TON
3-01-012-03	Industrial Processes Chemical Manufacturing Hydroflouric Acid Fluorspar Grinding/Drying	-	0.145	-	-	-	-	-	-	TON
3-01-012-06	Industrial Processes Chemical Manufacturing Hydroflouric Acid Tail Gas Vent	-	-	-	-	-	45	-	-	TON
3-01-013-01	Industrial Processes Chemical Manufacturing Nitric Acid Absorber Tail Gas (Pre-1970 Facilities)	-	43	-	-	-	-	-	-	TON
3-01-013-02	Industrial Processes Chemical Manufacturing Nitric Acid Absorber Tail Gas (Post-1970 Facilities)	-	57	-	-	-	-	-	-	TON
3-01-013-03	Industrial Processes Chemical Manufacturing Nitric Acid Nitric Acid Concentrators (Pre-1970 Facilities)	-	10	-	-	-	-	-	-	TON
3-01-013-04	Industrial Processes Chemical Manufacturing Nitric Acid Nitric Acid Concentrators (Post-1970 Facilities)	-	10	-	-	-	-	-	-	TON
3-01-014-01	Industrial Processes Chemical Manufacturing Paint Manufacture General Mixing and Handling	30	-	-	-	-	-	-	-	TON
3-01-015-01	Industrial Processes Chemical Manufacturing Varnish Manufacturing Bodying Oil	40	-	-	-	-	-	-	-	TON
3-01-015-02	Industrial Processes Chemical Manufacturing Varnish Manufacturing Oleoresinous	150	-	-	-	-	-	-	-	TON
3-01-015-03	Industrial Processes Chemical Manufacturing Varnish Manufacturing Alkyd	160	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-015-05	Industrial Processes Chemical Manufacturing Varnish Manufacturing Acrylic	20	-	-	-	-	-	-	-	TON
3-01-018-01	Industrial Processes Chemical Manufacturing Plastics Production Polyvinyl Chlorides and Copolymers (Use 6-46-3X0-XX)	17	200	-	-	-	0.025	-	-	TON
3-01-018-02	Industrial Processes Chemical Manufacturing Plastics Production Polypropylene and Copolymers	0.7	131	-	-	-	-	-	-	TON
3-01-018-05	Industrial Processes Chemical Manufacturing Plastics Production Phenolic Resins	0.0000067	-	-	-	-	-	-	-	
3-01-018-09	Industrial Processes Chemical Manufacturing Plastics Production Extruder	11	-	-	-	-	-	-	-	TON
3-01-018-10	Industrial Processes Chemical Manufacturing Plastics Production Conveying	0.46	-	-	-	-	-	-	-	TON
3-01-018-11	Industrial Processes Chemical Manufacturing Plastics Production Storage	0.01	-	-	-	-	-	-	-	TON
3-01-018-14	Industrial Processes Chemical Manufacturing Plastics Production Extruder	66	-	-	-	-	-	-	-	TON
3-01-018-17	Industrial Processes Chemical Manufacturing Plastics Production General	6.68	-	-	-	-	-	-	-	TON
3-01-018-19	Industrial Processes Chemical Manufacturing Plastics Production Solvent Recovery	3.2	-	-	-	-	-	-	-	TON
3-01-018-21	Industrial Processes Chemical Manufacturing Plastics Production Extruding/Pelletizing/Conveying/Storage	0.3	-	-	-	-	-	-	-	TON
3-01-018-27	Industrial Processes Chemical Manufacturing Plastics Production Polyamide Resins	-	1	-	-	-	-	-	-	TON

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SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-018-32	Industrial Processes Chemical Manufacturing Plastics Production Urea-Formaldehyde Resins	14.7	-	-	-	-	-	-	-	TON
3-01-018-37	Industrial Processes Chemical Manufacturing Plastics Production Polyester Resins	0.5	-	-	-	-	-	-	-	TON
3-01-018-42	Industrial Processes Chemical Manufacturing Plastics Production Melamine Resins	50	-	-	-	-	-	-	-	TON
3-01-018-47	Industrial Processes Chemical Manufacturing Plastics Production Epoxy Resins	5.1	-	-	-	-	-	-	-	TON
3-01-018-49	Industrial Processes Chemical Manufacturing Plastics Production Acrylonitrile-Butadiene-Styrene (ABS) Resin	60	-	-	-	-	-	-	-	TON
3-01-018-70	Industrial Processes Chemical Manufacturing Plastics Production Polyether Resins: Reactor	50	-	-	-	-	-	-	-	TON
3-01-018-80	Industrial Processes Chemical Manufacturing Plastics Production Polyurethane: Reactor	52	-	-	-	-	-	-	-	TON
3-01-018-92	Industrial Processes Chemical Manufacturing Plastics Production Separation Processes	2	-	-	-	-	-	-	-	TON
3-01-018-99	Industrial Processes Chemical Manufacturing Plastics Production Others Not Specified	7.8	-	-	-	-	-	-	-	TON
3-01-019-01	Industrial Processes Chemical Manufacturing Phthalic Anhydride o-Xylene Oxidation: Main Process Stream	-	-	301	-	-	94	-	-	TON
3-01-019-04	Industrial Processes Chemical Manufacturing Phthalic Anhydride o-Xylene Oxidation: Distillation	2.4	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-019-05	Industrial Processes Chemical Manufacturing Phthalic Anhydride Naphthalene Oxidation: Main Process Stream	-	-	100	-	-	-	-	-	TON
3-01-019-07	Industrial Processes Chemical Manufacturing Phthalic Anhydride Naphthalene Oxidation: Distillation	10	-	-	-	-	-	-	-	TON
3-01-020-01	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Vehicle Cooking: General	120	-	-	-	-	-	-	-	TON
3-01-020-02	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Vehicle Cooking: Oils	40	-	-	-	-	-	-	-	TON
3-01-020-03	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Vehicle Cooking: Oleoresin	150	-	-	-	-	-	-	-	TON
3-01-020-04	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Vehicle Cooking: Alkyds	160	-	-	-	-	-	-	-	TON
3-01-020-05	Industrial Processes Chemical Manufacturing Printing Ink Manufacture Pigment Mixing	6.2	-	-	-	-	-	-	-	TON
3-01-021-05	Industrial Processes Chemical Manufacturing Sodium Carbonate Monohydrate Process: Rotary Ore Calciner: Coal-fired	-	1.4	-	-	-	0.01	-	-	TON
3-01-023-01	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (99.9% Conversion)	-	0.004	-	-	-	1.4	-	-	TON
3-01-023-04	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (99.5% Conversion)	-	0.004	-	-	-	7	-	-	TON
3-01-023-06	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (99.0% Conversion)	-	0.004	-	-	-	14	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-023-08	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (98.0% Conversion)	-	0.004	-	-	-	26	-	-	TON
3-01-023-10	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (97.0% Conversion)	-	0.004	-	-	-	40	-	-	TON
3-01-023-12	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (96.0% Conversion)	-	0.004	-	-	-	55	-	-	TON
3-01-023-14	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (95.0% Conversion)	-	0.004	-	-	-	70	-	-	TON
3-01-023-16	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (94.0% Conversion)	-	0.004	-	-	-	82	-	-	TON
3-01-023-18	Industrial Processes Chemical Manufacturing Sulfuric Acid Absorber (93.0% Conversion)	-	0.004	-	-	-	9.6	-	-	TON
3-01-024-01	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Nylon #6: Staple (Uncontrolled)	4.3	-	-	-	-	-	-	-	TON
3-01-024-02	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Polyesters: Staple	1.2	-	-	-	-	-	-	-	TON
3-01-024-10	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Manufacturing Acrylic: Uncontrolled	80	-	-	-	-	-	-	-	TON
3-01-024-14	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Polyolefin: Melt Spun	74.2	-	-	-	-	-	-	-	TON
3-01-024-16	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Aramid	4.3	-	-	-	-	-	-	-	TON
3-01-024-99	Industrial Processes Chemical Manufacturing Synthetic Organic Fiber Other Not Classified	398	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-025-05	Industrial Processes Chemical Manufacturing Cellulosic Fiber Production Cellulose Acetate: Filer Tow	290	-	-	-	-	-	-	-	TON
3-01-026-01	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) General	5.2	-	-	-	-	-	-	-	TON
3-01-026-09	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Dryers	5.02	-	-	-	-	-	-	-	TON
3-01-026-13	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Monomer Recovery: Absorber Vent	0.52	-	-	-	-	-	-	-	TON
3-01-026-14	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Blending Tanks	0.84	-	-	-	-	-	-	-	TON
3-01-026-16	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Latex: Monomer Removal	16.9	-	-	-	-	-	-	-	TON
3-01-026-17	Industrial Processes Chemical Manufacturing Synthetic Rubber (Manufacturing Only) Latex: Blending Tank	0.2	-	-	-	-	-	-	-	TON
3-01-027-04	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Neutralizer	-	-	-	-	-	-	36.02	-	TON
3-01-027-07	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Rotary Drum Granulator	-	-	-	-	-	-	59.4	-	TON
3-01-027-08	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Pan Granulator	-	-	-	-	-	-	0.14	-	TON
3-01-027-11	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Neutralizer: High Density	-	-	-	-	-	-	36.02	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-027-12	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Tower: High Density	-	-	-	-	-	-	57.2	-	TON
3-01-027-14	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Cooler: High Density	-	-	-	-	-	-	0.04	-	TON
3-01-027-17	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Evaporator/Concentrator: High Density	-	-	-	-	-	-	33.4	-	TON
3-01-027-21	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Neutralizer: Low Density	-	-	-	-	-	-	36.02	-	TON
3-01-027-22	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Tower: Low Density	-	-	-	-	-	-	0.26	-	TON
3-01-027-24	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Cooler: Low Density	-	-	-	-	-	-	0.3	-	TON
3-01-027-25	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Prilling Dryer: Low Density	-	-	-	-	-	-	3.18	-	TON
3-01-027-27	Industrial Processes Chemical Manufacturing Ammonium Nitrate Production Evaporator/Concentrator: Low Density	-	-	-	-	-	-	33.4	-	TON
3-01-030-00	Industrial Processes Chemical Manufacturing Ammonium Phosphates Entire Plant	-	-	-	-	-	-	0.14	-	TON
3-01-030-01	Industrial Processes Chemical Manufacturing Ammonium Phosphates Dryers and Coolers	0.03	1.7	-	-	-	3.1	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-030-02	Industrial Processes Chemical Manufacturing Ammonium Phosphates Ammoniator/Granulator	-	-	-	-	-	0.3	-	-	TON
3-01-031-02	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Reactor Vent	30	-	34	-	-	-	-	-	TON
3-01-031-03	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Crystallization, Separation, and Drying Vent	3.8	-	-	-	-	-	-	-	TON
3-01-031-04	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Distillation and Recovery Vent	2.2	-	-	-	-	-	-	-	TON
3-01-031-05	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Product Transfer Vent	3.6	-	4	-	-	-	-	-	TON
3-01-031-80	Industrial Processes Chemical Manufacturing Terephthalic Acid/Dimethyl Terephthalate Fugitive Emissions	294000	-	-	-	-	-	-	-	EACH
3-01-032-01	Industrial Processes Chemical Manufacturing Elemental Sulfur Production Mod. Claus: 2 Stage w/o Control (92-95% Removal)	3	0.35	-	-	-	278	-	-	TON
3-01-032-02	Industrial Processes Chemical Manufacturing Elemental Sulfur Production Mod. Claus: 3 Stage w/o Control (95-96% Removal)	9.1	0.1	-	-	-	188	-	-	TON
3-01-032-03	Industrial Processes Chemical Manufacturing Elemental Sulfur Production Mod. Claus: 4 Stage w/o Control (96-97% Removal)	-	0.1	-	-	-	145	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-032-04	Industrial Processes Chemical Manufacturing Elemental Sulfur Production Sulfur Removal Process (99.9% Removal)	0.05	0.1	-	-	-	-	-	-	TON
3-01-033-01	Industrial Processes Chemical Manufacturing Pesticides Malathion	0.01	-	-	-	-	-	-	-	GAL
3-01-034-02	Industrial Processes Chemical Manufacturing Aniline/Ethanolamines General: Aniline	0.2	-	-	-	-	-	-	-	TON
3-01-035-06	Industrial Processes Chemical Manufacturing Inorganic Pigments Lead Oxide: Barton Pot	-	-	-	-	-	-	-	0.44	TON
3-01-035-07	Industrial Processes Chemical Manufacturing Inorganic Pigments Lead Oxide: Calciner	-	-	-	-	-	-	-	14	TON
3-01-035-10	Industrial Processes Chemical Manufacturing Inorganic Pigments Red Lead	-	-	-	-	-	-	-	0.9	TON
3-01-035-15	Industrial Processes Chemical Manufacturing Inorganic Pigments White Lead	-	-	-	-	-	-	-	0.55	TON
3-01-035-20	Industrial Processes Chemical Manufacturing Inorganic Pigments Lead Chromate	-	-	-	-	-	-	-	0.13	TON
3-01-039-01	Industrial Processes Chemical Manufacturing Hydrogen Cyanide Air Heater: General	14	-	-	-	-	-	-	-	TON
3-01-040-02	Industrial Processes Chemical Manufacturing Urea Production Solution Concentration (Controlled)	-	-	-	-	-	-	18.5	-	TON
3-01-040-04	Industrial Processes Chemical Manufacturing Urea Production Drum Granulation	0.009	-	-	-	-	-	2.15	-	TON
3-01-040-08	Industrial Processes Chemical Manufacturing Urea Production Non-fluidized Bed Prilling (Agricultural Grade)	-	-	-	-	-	-	0.87	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-040-10	Industrial Processes Chemical Manufacturing Urea Production Fluidized Bed Prilling (Agricultural Grade)	0.02	-	-	-	-	-	2.91	-	TON
3-01-040-11	Industrial Processes Chemical Manufacturing Urea Production Fluidized Bed Prilling (Feed Grade)	0.004	-	-	-	-	-	4.14	-	TON
3-01-040-12	Industrial Processes Chemical Manufacturing Urea Production Rotary Drum Cooler	-	-	-	-	-	-	0.051	-	TON
3-01-042-01	Industrial Processes Chemical Manufacturing Lead Alkyl Manufacturing (Sodium/Lead Alloy Process) Recovery Furnace	-	2.67	-	-	-	-	-	55	TON
3-01-042-04	Industrial Processes Chemical Manufacturing Lead Alkyl Manufacturing (Sodium/Lead Alloy Process) Sludge Pits	-	-	-	-	-	-	-	1.2	TON
3-01-091-05	Industrial Processes Chemical Manufacturing Acetone/Ketone Production Methyl Ethyl Ketone	2.4	-	-	-	-	-	-	-	TON
3-01-091-80	Industrial Processes Chemical Manufacturing Acetone/Ketone Production Acetone: Fugitive Emissions	452000	-	-	-	-	-	-	-	EACH
3-01-100-02	Industrial Processes Chemical Manufacturing Maleic Anhydride Product Recovery Absorber	174	-	-	-	-	-	-	-	TON
3-01-100-03	Industrial Processes Chemical Manufacturing Maleic Anhydride Vacuum System Vent	0.2	-	-	-	-	-	-	-	TON
3-01-100-04	Industrial Processes Chemical Manufacturing Maleic Anhydride Briquetting	2.5	-	-	-	-	-	-	-	TON
3-01-100-05	Industrial Processes Chemical Manufacturing Maleic Anhydride Secondary Sources: Dehydration Column, Vacuum System	0.2	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-100-80	Industrial Processes Chemical Manufacturing Maleic Anhydride Fugitive Emissions	62300	-	-	-	-	-	-	-	EACH
3-01-120-01	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Formaldehyde: Silver Catalyst	13	-	36	-	-	-	-	-	TON
3-01-120-02	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Formaldehyde: Mixed Oxide Catalyst	16	-	-	-	-	-	-	-	TON
3-01-120-07	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Formaldehyde: Fugitive Emissions	35700	-	-	-	-	-	-	-	EACH
3-01-120-11	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde from Ethylene	2.8	-	-	-	-	-	-	-	TON
3-01-120-12	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde from Ethanol	0.04	-	5.5	-	-	-	-	-	TON
3-01-120-13	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde: Off-air Absorber Vent	4.5	-	-	-	-	-	-	-	TON
3-01-120-14	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde: Off-gas Absorber Vent	5.6	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-120-17	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acetaldehyde: Fugitive Emissions	165000	-	-	-	-	-	-	-	EACH
3-01-120-31	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acrolein: CO2 Stripping Tower	120	-	-	-	-	-	-	-	TON
3-01-120-32	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acrolein: Aqueous Acrolein Receiver	6	-	-	-	-	-	-	-	TON
3-01-120-33	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acrolein: Distillation System	15	-	-	-	-	-	-	-	TON
3-01-120-34	Industrial Processes Chemical Manufacturing Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde Acrolein: Refrigeration Unit	54	-	-	-	-	-	-	-	TON
3-01-124-01	Industrial Processes Chemical Manufacturing Chloroprene General	11.2	-	-	-	-	-	-	-	TON
3-01-124-02	Industrial Processes Chemical Manufacturing Chloroprene Butadiene Dryer	2.4	-	-	-	-	-	-	-	TON
3-01-124-03	Industrial Processes Chemical Manufacturing Chloroprene Chlorination Reactor	0.47	-	-	-	-	-	-	-	TON
3-01-124-04	Industrial Processes Chemical Manufacturing Chloroprene Dichlorobutene Still	7.8	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-124-05	Industrial Processes Chemical Manufacturing Chloroprene Isomerization and 3,4-DCB Recovery Vent	0.3	-	-	-	-	-	-	-	TON
3-01-124-06	Industrial Processes Chemical Manufacturing Chloroprene Chloroprene Stripper	0.3	-	-	-	-	-	-	-	TON
3-01-124-07	Industrial Processes Chemical Manufacturing Chloroprene Brine Stripper	0.3	-	-	-	-	-	-	-	TON
3-01-125-09	Industrial Processes Chemical Manufacturing Chlorine Derivatives Ethylene Dichloride: Fugitive Emissions	182000	-	-	-	-	-	-	-	EACH
3-01-125-10	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes: General	12.3	-	-	-	-	-	-	-	TON
3-01-125-11	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes: Recycled Methane Inert-purge	4.2	-	-	-	-	-	-	-	TON
3-01-125-12	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes: Drying Bed Regeneration Vent	0.1	-	-	-	-	-	-	-	TON
3-01-125-14	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes: Fugitive Emissions	482000	-	-	-	-	-	-	-	EACH
3-01-125-20	Industrial Processes Chemical Manufacturing Chlorine Derivatives Perchloroethylene: General	2.7	-	-	-	-	-	-	-	TON
3-01-125-21	Industrial Processes Chemical Manufacturing Chlorine Derivatives Perchloroethylene: Distillation Vent	0.8	-	-	-	-	-	-	-	TON
3-01-125-24	Industrial Processes Chemical Manufacturing Chlorine Derivatives Perchloroethylene: Fugitive Emissions	365000	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-125-25	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethane: General	5.2	-	-	-	-	-	-	-	TON
3-01-125-26	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethane: HCl Absorber Vent	0.2	-	-	-	-	-	-	-	TON
3-01-125-28	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethane: Distillation Column Vent	0.38	-	-	-	-	-	-	-	TON
3-01-125-30	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethylene: General	1.3	-	-	-	-	-	-	-	TON
3-01-125-34	Industrial Processes Chemical Manufacturing Chlorine Derivatives Trichloroethylene: Fugitive Emissions	365000	-	-	-	-	-	-	-	EACH
3-01-125-40	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride: General	6.5	-	-	-	-	-	-	-	TON
3-01-125-42	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride: HCl Recovery	0.2	-	-	-	-	-	-	-	TON
3-01-125-43	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride: Light-ends Recovery	2	-	-	-	-	-	-	-	TON
3-01-125-44	Industrial Processes Chemical Manufacturing Chlorine Derivatives Dichloroethane: Drying Column	1	-	-	-	-	-	-	-	TON
3-01-125-45	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride Monomer: Drying Column	1	-	-	-	-	-	-	-	TON
3-01-125-50	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinyl Chloride: Fugitive Emissions	274000	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-125-52	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinylidene Chloride: Dehydrochlorination Reactor	12.4	-	-	-	-	-	-	-	TON
3-01-125-53	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinylidene Chloride: Distillation Column Vent	1.4	-	-	-	-	-	-	-	TON
3-01-125-55	Industrial Processes Chemical Manufacturing Chlorine Derivatives Vinylidene Chloride: Fugitive Emissions	19000	-	-	-	-	-	-	-	EACH
3-01-125-56	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes via MH & MCC Processes: Inert-gas Purge Vent	3	-	-	-	-	-	-	-	TON
3-01-125-57	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes via MH & MCC Processes: Methylene Chloride Condenser	0.04	-	-	-	-	-	-	-	TON
3-01-125-58	Industrial Processes Chemical Manufacturing Chlorine Derivatives Chloromethanes via MH & MCC Processes: Chloroform Condenser	0.01	-	-	-	-	-	-	-	TON
3-01-127-01	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons General	14.5	-	-	-	-	-	-	-	TON
3-01-127-02	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons Distillation Column	12.7	-	-	-	-	-	-	-	TON
3-01-127-20	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons Chlorofluorocarbon 12/11	6.2	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-127-30	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons Chlorofluorocarbon 23/22	38	-	-	-	-	-	-	-	TON
3-01-127-40	Industrial Processes Chemical Manufacturing Fluorocarbons/Chlorofluorocarbons Chlorofluorocarbon 113/114	13.2	-	-	-	-	-	-	-	TON
3-01-130-04	Industrial Processes Chemical Manufacturing Ammonium Sulfate Caprolactam By-product: Rotary Dryer	1.48	-	-	-	-	-	-	-	TON
3-01-130-05	Industrial Processes Chemical Manufacturing Ammonium Sulfate Caprolactam By-product: Fluid Bed Dryer	1.48	-	-	-	-	-	-	-	TON
3-01-132-01	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Acetic Acid via Methanol	4	0.06	-	-	-	-	-	-	TON
3-01-132-05	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Acetic Acid via Butane	14	0.08	27.1	-	-	-	-	-	TON
3-01-132-10	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Acetic Acid via Acetaldehyde	22	-	-	-	-	-	-	-	TON
3-01-132-21	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing General: Acrylic Acid	240	-	-	-	-	-	-	-	TON
3-01-132-22	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Quench Absorber	239	-	-	-	-	-	-	-	TON
3-01-132-23	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Extraction Column	0.29	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-132-24	Industrial Processes Chemical Manufacturing Organic Acid Manufacturing Vacuum System	7.6	-	-	-	-	-	-	-	TON
3-01-133-01	Industrial Processes Chemical Manufacturing Acetic Anhydride General	5.5	-	9.9	-	-	-	-	-	TON
3-01-133-02	Industrial Processes Chemical Manufacturing Acetic Anhydride Reactor By-product Gas Vent	9	-	14	-	-	-	-	-	TON
3-01-133-03	Industrial Processes Chemical Manufacturing Acetic Anhydride Distillation Column Vent	1.4	-	-	-	-	-	-	-	TON
3-01-140-04	Industrial Processes Chemical Manufacturing Acetylene Producion Waste Handling	9.3	13.5	-	-	-	-	-	-	TON
3-01-153-10	Industrial Processes Chemical Manufacturing Butadiene Houdry Process: Total	23	-	-	-	-	-	-	-	TON
3-01-153-11	Industrial Processes Chemical Manufacturing Butadiene Houdry Process: Flue Gas Vent	0.1	-	-	-	-	-	-	-	TON
3-01-153-12	Industrial Processes Chemical Manufacturing Butadiene Houdry Process: Dehydrogenation Reactor	6.6	-	-	-	-	-	-	-	TON
3-01-153-20	Industrial Processes Chemical Manufacturing Butadiene n-Butene Process: Total	23.2	-	-	-	-	-	-	-	TON
3-01-153-21	Industrial Processes Chemical Manufacturing Butadiene n-Butene Process: Flue Gas Vent	0.1	-	-	-	-	-	-	-	TON
3-01-153-22	Industrial Processes Chemical Manufacturing Butadiene n-Butene Process: Hydrocarbon Absorber Column	10	-	-	-	-	-	-	-	TON
3-01-156-01	Industrial Processes Chemical Manufacturing Cumene General	1.1	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-156-02	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Benzene Drying Column	0.04	-	-	-	-	-	-	-	TON
3-01-156-03	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Catalyst Mix Tank Scrubber Vent	0.3	-	-	-	-	-	-	-	TON
3-01-156-04	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Wash-Decant System Vent	0.02	-	-	-	-	-	-	-	TON
3-01-156-05	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Benzene Recovery	0.03	-	-	-	-	-	-	-	TON
3-01-156-06	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: Cumene Distillation Vent	0.06	-	-	-	-	-	-	-	TON
3-01-156-07	Industrial Processes Chemical Manufacturing Cumene Aluminum Chloride Catalyst Process: DIPB Stripping Vent	0.002	-	-	-	-	-	-	-	TON
3-01-156-09	Industrial Processes Chemical Manufacturing Cumene Solid Phosphoric Acid Catalyst Process: Cumene Distillation Sys. Vent	0.06	-	-	-	-	-	-	-	TON
3-01-156-80	Industrial Processes Chemical Manufacturing Cumene Fugitive Emissions	149000	-	-	-	-	-	-	-	EACH
3-01-157-02	Industrial Processes Chemical Manufacturing Cyclohexane Blowndown Tank Discharge	0.006	-	-	-	-	-	-	-	TON
3-01-157-03	Industrial Processes Chemical Manufacturing Cyclohexane Pumps/Valves/Compressors	1.5	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-157-80	Industrial Processes Chemical Manufacturing Cyclohexane Fugitive Emissions	240000	-	-	-	-	-	-	-	EACH
3-01-158-01	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol General	44.4	-	-	-	-	-	-	-	TON
3-01-158-02	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol High Pressure Scrubber Vent	33.8	-	85.2	-	-	-	-	-	TON
3-01-158-03	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol Low Pressure Scrubber Vent	5.3	-	19.4	-	-	-	-	-	TON
3-01-158-21	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol Hydrogenation Reactor Vent	3	-	-	-	-	-	-	-	TON
3-01-158-22	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol Distillation Vent	0.12	-	-	-	-	-	-	-	TON
3-01-158-80	Industrial Processes Chemical Manufacturing Cyclohexanone/Cyclohexanol Fugitive Emissions	378000	-	-	-	-	-	-	-	EACH
3-01-167-02	Industrial Processes Chemical Manufacturing Vinyl Acetate Inert-gas Purge Vent	8.8	-	-	-	-	-	-	-	TON
3-01-167-03	Industrial Processes Chemical Manufacturing Vinyl Acetate CO2 Purge Vent	0.6	-	-	-	-	-	-	-	TON
3-01-167-04	Industrial Processes Chemical Manufacturing Vinyl Acetate Inhibitor Mix Tank Discharge	5.6	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-167-80	Industrial Processes Chemical Manufacturing Vinyl Acetate Fugitive Emissions	360000	-	-	-	-	-	-	-	EACH
3-01-169-80	Industrial Processes Chemical Manufacturing Ethyl Benzene Fugitive Emissions	328000	-	-	-	-	-	-	-	EACH
3-01-174-02	Industrial Processes Chemical Manufacturing Ethylene Oxide Air Oxidation Process Reactor: Main Vent	2	-	-	-	-	-	-	-	TON
3-01-174-10	Industrial Processes Chemical Manufacturing Ethylene Oxide Oxygen Oxidation Process Reactor: CO2 Purge Vent	1.5	-	-	-	-	-	-	-	TON
3-01-174-11	Industrial Processes Chemical Manufacturing Ethylene Oxide Oxygen Oxidation Process Reactor: Argon Purge Vent	0.004	-	-	-	-	-	-	-	TON
3-01-174-21	Industrial Processes Chemical Manufacturing Ethylene Oxide Stripper Purge Vent	0.2	-	-	-	-	-	-	-	TON
3-01-174-80	Industrial Processes Chemical Manufacturing Ethylene Oxide Fugitive Emissions	168000	-	-	-	-	-	-	-	EACH
3-01-176-01	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) General	132	-	-	-	-	-	-	-	TON
3-01-176-11	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) CO2 Absorber	0.8	-	-	-	-	-	-	-	TON
3-01-176-12	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Evaporator	0.2	-	-	-	-	-	-	-	TON
3-01-176-13	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Concentrator	0.2	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-176-14	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Stripping Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-15	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Light-ends Stripping Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-16	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Solvent Stripping Column	0.04	-	-	-	-	-	-	-	TON
3-01-176-17	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Product Distillation Column	0.2	-	-	-	-	-	-	-	TON
3-01-176-18	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Cooling Tower	5.6	-	-	-	-	-	-	-	TON
3-01-176-31	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Light-ends Stripper	30	-	-	-	-	-	-	-	TON
3-01-176-32	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Concentrator	0.3	-	-	-	-	-	-	-	TON
3-01-176-33	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Glycerin Flasher Column	0.3	-	-	-	-	-	-	-	TON
3-01-176-34	Industrial Processes Chemical Manufacturing Glycerin (Glycerol) Product Distillation Column	0.3	-	-	-	-	-	-	-	TON
3-01-181-01	Industrial Processes Chemical Manufacturing Toluene Diisocyanate General	19.3	-	-	-	-	-	-	-	TON
3-01-181-02	Industrial Processes Chemical Manufacturing Toluene Diisocyanate Sulfuric Acid Concentrator	10	-	-	-	-	-	-	-	TON
3-01-181-03	Industrial Processes Chemical Manufacturing Toluene Diisocyanate Nitration Reactor	0.05	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-181-04	Industrial Processes Chemical Manufacturing Toluene Diisocyanate Catalyst Filtration	0.001	-	-	-	-	-	-	-	TON
3-01-181-05	Industrial Processes Chemical Manufacturing Toluene Diisocyanate TDA Vacuum Distillation Vent	0.007	-	-	-	-	-	-	-	TON
3-01-181-06	Industrial Processes Chemical Manufacturing Toluene Diisocyanate Dichlorobenzene Solvent Recovery	3	-	-	-	-	-	-	-	TON
3-01-181-07	Industrial Processes Chemical Manufacturing Toluene Diisocyanate TDI Flash Distillation	3	-	-	-	-	-	-	-	TON
3-01-181-08	Industrial Processes Chemical Manufacturing Toluene Diisocyanate TDI Purification	3	-	-	-	-	-	-	-	TON
3-01-190-02	Industrial Processes Chemical Manufacturing Methyl Methacrylate Acetone Cyanohydrin Reactor Off-gas	0.08	-	-	-	-	-	-	-	TON
3-01-190-03	Industrial Processes Chemical Manufacturing Methyl Methacrylate Recovery Columns	2.3	-	-	-	-	-	-	-	TON
3-01-190-04	Industrial Processes Chemical Manufacturing Methyl Methacrylate Acetone Evaporation Vacuum Vent	0.008	-	-	-	-	-	-	-	TON
3-01-190-10	Industrial Processes Chemical Manufacturing Methyl Methacrylate Hydrolysis Reactor	13.2	-	-	-	-	-	-	-	TON
3-01-190-11	Industrial Processes Chemical Manufacturing Methyl Methacrylate Distillation Unit	1.9	-	-	-	-	-	-	-	TON
3-01-190-12	Industrial Processes Chemical Manufacturing Methyl Methacrylate MMA and Light-ends Distillation Unit	16.5	-	-	-	-	-	-	-	TON
3-01-190-13	Industrial Processes Chemical Manufacturing Methyl Methacrylate Acid Distillation	1.1	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-190-14	Industrial Processes Chemical Manufacturing Methyl Methacrylate MMA Purification	15.8	-	-	-	-	-	-	-	TON
3-01-190-80	Industrial Processes Chemical Manufacturing Methyl Methacrylate Fugitive Emissions	273000	-	-	-	-	-	-	-	EACH
3-01-195-02	Industrial Processes Chemical Manufacturing Nitrobenzene Reactor and Separator Vent	1.9	-	-	-	-	-	-	-	TON
3-01-195-03	Industrial Processes Chemical Manufacturing Nitrobenzene Acid Stripper Vent	0.34	-	-	-	-	-	-	-	TON
3-01-195-04	Industrial Processes Chemical Manufacturing Nitrobenzene Washer and Neutralizer Vent	0.02	-	-	-	-	-	-	-	TON
3-01-195-05	Industrial Processes Chemical Manufacturing Nitrobenzene Nitrobenzene Stripper Vent	0.34	-	-	-	-	-	-	-	TON
3-01-195-80	Industrial Processes Chemical Manufacturing Nitrobenzene Fugitive Emissions	138000	-	-	-	-	-	-	-	EACH
3-01-197-01	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Ethylene: General	-	0.02	0.02	-	-	6	-	-	TON
3-01-197-05	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Propylene: General	1	-	-	-	-	-	-	-	TON
3-01-197-43	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Ethylene: Acid Gas Removal	0.02	-	-	-	-	6	-	-	TON
3-01-197-45	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Ethylene: Compressor Lube Oil Vent	0.02	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-197-49	Industrial Processes Chemical Manufacturing Butylene, Ethylene, Propylene, Olefin Production Ethylene: Fugitive Emissions	695000	-	-	-	-	-	-	-	EACH
3-01-202-01	Industrial Processes Chemical Manufacturing Phenol General	15.4	-	-	-	-	-	-	-	TON
3-01-202-02	Industrial Processes Chemical Manufacturing Phenol Cumene Oxidation	4.6	-	-	-	-	-	-	-	TON
3-01-202-03	Industrial Processes Chemical Manufacturing Phenol CHP Concentrator	2.4	-	-	-	-	-	-	-	TON
3-01-202-04	Industrial Processes Chemical Manufacturing Phenol Light-ends Distillation Vent	0.6	-	-	-	-	-	-	-	TON
3-01-202-05	Industrial Processes Chemical Manufacturing Phenol Acetone Finishing	1.3	-	-	-	-	-	-	-	TON
3-01-202-06	Industrial Processes Chemical Manufacturing Phenol Phenol Distillation Column	7.6	-	-	-	-	-	-	-	TON
3-01-202-10	Industrial Processes Chemical Manufacturing Phenol Oxidate Wash/Separation	0.16	-	-	-	-	-	-	-	TON
3-01-202-11	Industrial Processes Chemical Manufacturing Phenol CHP Cleavage Vent	0.95	-	-	-	-	-	-	-	TON
3-01-202-80	Industrial Processes Chemical Manufacturing Phenol Fugitive Emissions	729000	-	-	-	-	-	-	-	EACH
3-01-205-03	Industrial Processes Chemical Manufacturing Propylene Oxide Vent Gas Scrubber Vent	20.5	-	-	-	-	-	-	-	TON
3-01-205-04	Industrial Processes Chemical Manufacturing Propylene Oxide Saponification Column Vent	0.09	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-205-05	Industrial Processes Chemical Manufacturing Propylene Oxide PO Stripping Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-06	Industrial Processes Chemical Manufacturing Propylene Oxide Light-ends Stripping Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-07	Industrial Processes Chemical Manufacturing Propylene Oxide PO Final Distillation Column Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-08	Industrial Processes Chemical Manufacturing Propylene Oxide DCP Distillation Column Vent	0.0002	-	-	-	-	-	-	-	TON
3-01-205-21	Industrial Processes Chemical Manufacturing Propylene Oxide Oxidation Reactor Scrubber Vent	3.5	-	-	-	-	-	-	-	TON
3-01-205-22	Industrial Processes Chemical Manufacturing Propylene Oxide TBA Stripping Column Vent	0.008	-	-	-	-	-	-	-	TON
3-01-205-24	Industrial Processes Chemical Manufacturing Propylene Oxide PO Stripping Column Vent	0.04	-	-	-	-	-	-	-	TON
3-01-205-25	Industrial Processes Chemical Manufacturing Propylene Oxide Crude TBA Recovery Column Vent	0.03	-	-	-	-	-	-	-	TON
3-01-205-26	Industrial Processes Chemical Manufacturing Propylene Oxide TBA Wash-Decant System Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-27	Industrial Processes Chemical Manufacturing Propylene Oxide Wastewater Stripping Column Vent	4.56	-	-	-	-	-	-	-	TON
3-01-205-28	Industrial Processes Chemical Manufacturing Propylene Oxide Solvent Scrubber Vent	1.3	-	-	-	-	-	-	-	TON
3-01-205-29	Industrial Processes Chemical Manufacturing Propylene Oxide Solvent Recovery Column Vent	0.0009	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-205-30	Industrial Processes Chemical Manufacturing Propylene Oxide Water Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-31	Industrial Processes Chemical Manufacturing Propylene Oxide Propylene Glycol and Dipropylene Glycol Combined Vent	0.1	-	-	-	-	-	-	-	TON
3-01-205-32	Industrial Processes Chemical Manufacturing Propylene Oxide Flue Gas Vent	0.08	-	-	-	-	-	-	-	TON
3-01-205-41	Industrial Processes Chemical Manufacturing Propylene Oxide Oxidation Reactor Scrubber Vent	3.2	-	-	-	-	-	-	-	TON
3-01-205-42	Industrial Processes Chemical Manufacturing Propylene Oxide Falling Film Evaporator Vent	0.01	-	-	-	-	-	-	-	TON
3-01-205-44	Industrial Processes Chemical Manufacturing Propylene Oxide Separation Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-205-45	Industrial Processes Chemical Manufacturing Propylene Oxide Light-ends Stripping Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-205-46	Industrial Processes Chemical Manufacturing Propylene Oxide Propylene Recovery Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-205-47	Industrial Processes Chemical Manufacturing Propylene Oxide Product Wash-Decant System Vent	0.001	-	-	-	-	-	-	-	TON
3-01-205-48	Industrial Processes Chemical Manufacturing Propylene Oxide Mixed Hydrocarbon Wash-Decant System Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-49	Industrial Processes Chemical Manufacturing Propylene Oxide Ethyl Benzene Wash-Decant System Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-50	Industrial Processes Chemical Manufacturing Propylene Oxide Ethyl Benzene Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-205-51	Industrial Processes Chemical Manufacturing Propylene Oxide Light-hydrocarbon Stripping Column Vent	0.003	-	-	-	-	-	-	-	TON
3-01-205-52	Industrial Processes Chemical Manufacturing Propylene Oxide MBA-AP Stripping Column Vent	0.02	-	-	-	-	-	-	-	TON
3-01-205-53	Industrial Processes Chemical Manufacturing Propylene Oxide Dehydration Reactor System Vent	0.002	-	-	-	-	-	-	-	TON
3-01-205-54	Industrial Processes Chemical Manufacturing Propylene Oxide Light-impurities Stripping Column Vent	2.5	-	-	-	-	-	-	-	TON
3-01-205-55	Industrial Processes Chemical Manufacturing Propylene Oxide Styrene Finishing Column Vent	1.7	-	-	-	-	-	-	-	TON
3-01-206-01	Industrial Processes Chemical Manufacturing Styrene General	-	0.04	-	-	-	-	-	-	TON
3-01-206-80	Industrial Processes Chemical Manufacturing Styrene Fugitive Emissions	248000	-	-	-	-	-	-	-	EACH
3-01-210-01	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) General	11.9	-	-	-	-	-	-	-	TON
3-01-210-02	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Cyclohexanone Purification Vent	6.2	-	-	-	-	-	-	-	TON
3-01-210-05	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Neutralization Reactor Vent	0.08	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-210-06	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Solvent Separation/Recovery	4	-	-	-	-	-	-	-	TON
3-01-210-07	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Oximation Reactor/Separator	0.05	-	-	-	-	-	-	-	TON
3-01-210-08	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Caprolactum Purification	0.3	-	-	-	-	-	-	-	TON
3-01-210-09	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) Ammonium Sulfate Drying (Use 3-01-130-04 or 3-01-130-05)	1.2	-	-	-	-	-	-	-	TON
3-01-210-10	Industrial Processes Chemical Manufacturing Caprolactum (Use 3-01-130 for Ammonium Sulfate By-product Production) AS:Cool/Screen/Storage (Use 301130-06&07,301870-25&26,301875-25&26)	0.1	-	-	-	-	-	-	-	TON
3-01-211-03	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Hydrogen Fluoride Scrubber Vent	0.022	-	-	-	-	-	-	-	TON
3-01-211-04	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Vacuum Refining	0.2	-	-	-	-	-	-	-	TON
3-01-211-22	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Parafin Drying Column Vent	0.0056	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-211-23	Industrial Processes Chemical Manufacturing Linear Alkylbenzene HCl Absorber Vent	0.5	-	-	-	-	-	-	-	TON
3-01-211-24	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Atmospheric Wash-Decant Vent	0.025	-	-	-	-	-	-	-	TON
3-01-211-25	Industrial Processes Chemical Manufacturing Linear Alkylbenzene Benzene Stripping Column	0.0074	-	-	-	-	-	-	-	TON
3-01-250-02	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Methanol: Purge Gas Vent	2.2	-	-	-	-	-	-	-	TON
3-01-250-03	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Methanol: Distillation Vent	0.8	-	-	-	-	-	-	-	TON
3-01-250-04	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Methanol: Fugitive Emissions	573000	-	-	-	-	-	-	-	EACH
3-01-250-10	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Ethanol by Fermentation	1.9	-	-	-	-	-	-	-	TON
3-01-250-20	Industrial Processes Chemical Manufacturing Methanol/Alcohol Production Alcohols by Oxo Process	-	0.08	22.5	-	-	-	-	-	TON
3-01-251-01	Industrial Processes Chemical Manufacturing Ethylene Glycol General	10.3	-	-	-	-	-	-	-	TON
3-01-251-80	Industrial Processes Chemical Manufacturing Ethylene Glycol Fugitive Emissions	24000	-	-	-	-	-	-	-	EACH
3-01-252-01	Industrial Processes Chemical Manufacturing Etherene Production General	0.16	-	-	-	-	-	-	-	TON
3-01-253-02	Industrial Processes Chemical Manufacturing Glycol Ethers Vacuum System Vent	0.03	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-253-05	Industrial Processes Chemical Manufacturing Glycol Ethers Catalyst: Methanol Mix Tank	0.02	-	-	-	-	-	-	-	TON
3-01-253-06	Industrial Processes Chemical Manufacturing Glycol Ethers Methanol Recovery Column Vent	0.3	-	-	-	-	-	-	-	TON
3-01-253-15	Industrial Processes Chemical Manufacturing Glycol Ethers Catalyst: Ethanol Mix Tank	0.01	-	-	-	-	-	-	-	TON
3-01-253-16	Industrial Processes Chemical Manufacturing Glycol Ethers Ethanol Recovery Column Vent	0.19	-	-	-	-	-	-	-	TON
3-01-253-25	Industrial Processes Chemical Manufacturing Glycol Ethers Catalyst: Butanol Mix Tank	0.002	-	-	-	-	-	-	-	TON
3-01-253-26	Industrial Processes Chemical Manufacturing Glycol Ethers Butanol Recovery Column Vent	0.03	-	-	-	-	-	-	-	TON
3-01-253-30	Industrial Processes Chemical Manufacturing Glycol Ethers Secondary Emissions: Handling and Disposal of Process Waste Streams	0.06	-	-	-	-	-	-	-	TON
3-01-253-80	Industrial Processes Chemical Manufacturing Glycol Ethers Fugitive Emissions	20100	-	-	-	-	-	-	-	EACH
3-01-254-01	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Acetonitrile	497	-	-	-	-	-	-	-	TON
3-01-254-05	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production General: Acrylonitrile	220	-	-	-	-	-	-	-	TON
3-01-254-06	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Absorber Vent: Normal	200	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-254-07	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Absorber Vent: Startup	0.5	-	-	-	-	-	-	-	TON
3-01-254-08	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Recovery/Purification Column Vent	20	-	-	-	-	-	-	-	TON
3-01-254-09	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Fugitive Emissions	223000	-	-	-	-	-	-	-	EACH
3-01-254-10	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Via Adipic Acid: General	-	0.3	-	-	-	-	-	-	TON
3-01-254-11	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Ammonia Recovery Still	-	0.3	-	-	-	-	-	-	TON
3-01-254-15	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Via Butadiene: General	51.3	232	-	-	-	-	-	-	TON
3-01-254-16	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Chlorination Reactor	35.8	-	-	-	-	-	-	-	TON
3-01-254-17	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Cyanide Synthesis	-	75.8	-	-	-	-	-	-	TON
3-01-254-18	Industrial Processes Chemical Manufacturing Nitriles, Acrylonitrile, Adiponitrile Production Cyanation/Isomerization	15.5	42.4	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-258-80	Industrial Processes Chemical Manufacturing Benzene/Toluene/Aromatics/Xylenes Aromatics: Fugitive Emissions	379000	-	-	-	-	-	-	-	EACH
3-01-301-01	Industrial Processes Chemical Manufacturing Chlorobenzene Tail Gas Scrubber	1.2	-	-	-	-	-	-	-	TON
3-01-301-06	Industrial Processes Chemical Manufacturing Chlorobenzene Vacuum System Vent	0.9	-	-	-	-	-	-	-	TON
3-01-301-07	Industrial Processes Chemical Manufacturing Chlorobenzene DCB Crystallization	0.03	-	-	-	-	-	-	-	TON
3-01-301-08	Industrial Processes Chemical Manufacturing Chlorobenzene DCB Crystal Handling/Loading	0.04	-	-	-	-	-	-	-	TON
3-01-301-14	Industrial Processes Chemical Manufacturing Chlorobenzene Secondary Emissions: Handling and Disposal of Wastewater	0.06	-	-	-	-	-	-	-	TON
3-01-301-15	Industrial Processes Chemical Manufacturing Chlorobenzene Atmospheric Distillation Vents	0.8	-	-	-	-	-	-	-	TON
3-01-301-80	Industrial Processes Chemical Manufacturing Chlorobenzene Fugitive Emissions	417000	-	-	-	-	-	-	-	EACH
3-01-302-02	Industrial Processes Chemical Manufacturing Carbon Tetrachloride Distillation Vent	0.01	-	-	-	-	-	-	-	TON
3-01-302-03	Industrial Processes Chemical Manufacturing Carbon Tetrachloride Caustic Scrubber	0.3	-	-	-	-	-	-	-	TON
3-01-303-02	Industrial Processes Chemical Manufacturing Allyl Chloride HCl Absorber	0.3	-	-	-	-	-	-	-	TON
3-01-303-03	Industrial Processes Chemical Manufacturing Allyl Chloride Light-ends Distillation	130	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-303-04	Industrial Processes Chemical Manufacturing Allyl Chloride Allyl Chloride Distillation Column	0.2	-	-	-	-	-	-	-	TON
3-01-303-05	Industrial Processes Chemical Manufacturing Allyl Chloride DCP Distillation Column	2	-	-	-	-	-	-	-	TON
3-01-304-02	Industrial Processes Chemical Manufacturing Allyl Alcohol Catalyst Preparation	450	-	-	-	-	-	-	-	TON
3-01-304-03	Industrial Processes Chemical Manufacturing Allyl Alcohol Filtration System	6.4	-	-	-	-	-	-	-	TON
3-01-304-04	Industrial Processes Chemical Manufacturing Allyl Alcohol Light-ends Stripper	22	-	-	-	-	-	-	-	TON
3-01-304-05	Industrial Processes Chemical Manufacturing Allyl Alcohol Distillation System Condenser	23	-	-	-	-	-	-	-	TON
3-01-900-01	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Process Heater: Distillate Oil (No. 2)	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-01-900-02	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Process Heater: Residual Oil	0.28	50	-	-	-	1.586E2*S	-	-	E3GAL
3-01-900-03	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Process Heater: Natural Gas	2.8	140	-	-	-	0.6	-	-	E6FT3
3-01-900-04	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Process Heater: Process Gas	2.8	140	-	-	-	-	-	-	E6FT3
3-01-900-11	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Incinerator: Distillate Oil (No. 2)	0.4	-	-	-	-	-	-	-	E3GAL
3-01-900-12	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Incinerator: Residual Oil	0.56	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-01-900-13	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Incinerator: Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-01-900-14	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Incinerator: Process Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-01-900-99	Industrial Processes Chemical Manufacturing Fuel Fired Equipment Other Not Elsewhere Classified	-	0.068	0.37	-	-	-	-	-	E6BTU
3-02-002-20	Industrial Processes Food and Agriculture Coffee Roasting Indirect-fired Batch Roaster -Natural Gas (incl combustion emiss)	0.86	-	-	-	-	-	-	-	TON
3-02-002-21	Industrial Processes Food and Agriculture Coffee Roasting Indirect-fired Continuous Roaster - Natural Gas (incl combustion emiss)	1.4	-	1.5	-	-	-	-	-	TON
3-02-009-07	Industrial Processes Food and Agriculture Beer Production Brew Kettle	0.64	-	-	-	-	-	-	-	E3BBL
3-02-009-08	Industrial Processes Food and Agriculture Beer Production Aging Tank: Filling	0.57	-	-	-	-	-	-	-	E3BBL
3-02-009-21	Industrial Processes Food and Agriculture Beer Production Mash Tun	0.054	-	-	-	-	-	-	-	E3BBL
3-02-009-22	Industrial Processes Food and Agriculture Beer Production Cereal Cooker	0.0075	-	-	-	-	-	-	-	E3BBL
3-02-009-23	Industrial Processes Food and Agriculture Beer Production Lauter Tun or Strainmaster	0.0055	-	-	-	-	-	-	-	E3BBL
3-02-009-24	Industrial Processes Food and Agriculture Beer Production Hot Wort Settling Tank	0.075	-	-	-	-	-	-	-	E3BBL
3-02-009-25	Industrial Processes Food and Agriculture Beer Production Wort Cooler	0.022	-	-	-	-	-	-	-	E3BBL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-02-009-26	Industrial Processes Food and Agriculture Beer Production Trub Vessel	0.25	-	-	-	-	-	-	-	E3BBL
3-02-009-30	Industrial Processes Food and Agriculture Beer Production Brewers Grain Dryer: Natural Gas-fired	0.73	-	-	-	-	-	-	-	TON
3-02-009-32	Industrial Processes Food and Agriculture Beer Production Brewers Grain Dryer: Steam-heated	0.73	-	0.22	-	-	-	-	-	TON
3-02-009-35	Industrial Processes Food and Agriculture Beer Production Fermenter Venting: Closed Fermenter	2	-	-	-	-	-	-	-	E3BBL
3-02-009-39	Industrial Processes Food and Agriculture Beer Production Activated Carbon Regeneration	0.035	-	-	-	-	-	-	-	E3BBL
3-02-009-51	Industrial Processes Food and Agriculture Beer Production Can Filling Line	14	-	-	-	-	-	-	-	E3BBL
3-02-009-52	Industrial Processes Food and Agriculture Beer Production Sterilized Can Filling Line	35	-	-	-	-	-	-	-	E3BBL
3-02-009-53	Industrial Processes Food and Agriculture Beer Production Bottle Filling Line	17	-	-	-	-	-	-	-	E3BBL
3-02-009-54	Industrial Processes Food and Agriculture Beer Production Sterilized Bottle Filling Line	40	-	-	-	-	-	-	-	E3BBL
3-02-009-55	Industrial Processes Food and Agriculture Beer Production Keg Filling Line	0.69	-	-	-	-	-	-	-	E3BBL
3-02-009-60	Industrial Processes Food and Agriculture Beer Production Bottle Soaker and Cleaner	0.2	-	-	-	-	-	-	-	E3EACH
3-02-009-61	Industrial Processes Food and Agriculture Beer Production Bottle Crusher	0.48	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-02-009-62	Industrial Processes Food and Agriculture Beer Production Can Crusher with Pneumatic Conveyor	0.088	-	-	-	-	-	-	-	GAL
3-02-010-03	Industrial Processes Food and Agriculture Distilled Spirits Aging (see 3-02-010-17)	10	-	-	-	-	-	-	-	BBL50GAL
3-02-011-05	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Wine Fermentation - White Wine	1.8	-	-	-	-	-	-	-	E3GAL
3-02-011-06	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Wine Fermentation - Red Wine	4.6	-	-	-	-	-	-	-	E3GAL
3-02-011-11	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Fugitive Emissions: Pomace Screening - Red Wine	0.5	-	-	-	-	-	-	-	E3GAL
3-02-011-12	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Fugitive Emissions: Pomace Press - Red Wine	0.02	-	-	-	-	-	-	-	E3GAL
3-02-011-21	Industrial Processes Food and Agriculture Wines, Brandy, and Brandy Spirits Wine Bottling - White Wine	0.1	-	-	-	-	-	-	-	E3GAL
3-02-012-01	Industrial Processes Food and Agriculture Fish Processing Cookers: Fresh Fish Scrap	0.03	-	-	-	-	-	-	-	TON
3-02-012-02	Industrial Processes Food and Agriculture Fish Processing Cookers: Stale Fish Scrap	3.5	-	-	-	-	-	-	-	TON
3-02-013-02	Industrial Processes Food and Agriculture Meat Smokehouses Batch Smokehouses: Smoking Cycle	44	-	-	53	53	-	-	-	TON
3-02-013-04	Industrial Processes Food and Agriculture Meat Smokehouses Continuous Smokehouse: Smoke Zone	17	-	-	140	140	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-02-014-01	Industrial Processes Food and Agriculture Starch Manufacturing Combined Operations	252	121	-	-	-	-	-	-	TON
3-02-016-01	Industrial Processes Food and Agriculture Sugar Beet Processing Pulp Dryer : Coal-fired	0.2	0.06	-	-	-	0.41	-	-	TON
3-02-017-99	Industrial Processes Food and Agriculture Peanut Processing Other Not Classified	-	0.065	-	-	-	-	-	-	TON
3-02-019-06	Industrial Processes Food and Agriculture Vegetable Oil Processing Corn Oil: General	18.7	-	-	-	-	-	-	-	TON
3-02-019-07	Industrial Processes Food and Agriculture Vegetable Oil Processing Cottonseed Oil: General	17.5	-	-	-	-	-	-	-	TON
3-02-019-09	Industrial Processes Food and Agriculture Vegetable Oil Processing Peanut Oil: General	20.7	-	-	-	-	-	-	-	TON
3-02-019-16	Industrial Processes Food and Agriculture Vegetable Oil Processing Oil Extraction	16.8	-	-	-	-	-	-	-	TON
3-02-019-17	Industrial Processes Food and Agriculture Vegetable Oil Processing Meal Preparation	1.1	-	-	-	-	-	-	-	TON
3-02-019-18	Industrial Processes Food and Agriculture Vegetable Oil Processing Oil Refining	0.46	-	-	-	-	-	-	-	TON
3-02-019-98	Industrial Processes Food and Agriculture Vegetable Oil Processing Soybean Oil Production: Complete Process-Solvent Loss (average)	4.9	-	-	-	-	-	-	-	TON
3-02-033-99	Industrial Processes Food and Agriculture Tobacco Processing Other Not Classified	0.34	-	-	-	-	0.48	-	-	TON
3-02-034-04	Industrial Processes Food and Agriculture Bakers Yeast Manufacturing - Dry Yeast Intermediate Fermentor (F4 Stage)	36	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-02-034-05	Industrial Processes Food and Agriculture Bakers Yeast Manufacturing - Dry Yeast Stock Fermentor (F5 Stage)	5	-	-	-	-	-	-	-	TON
3-02-034-06	Industrial Processes Food and Agriculture Bakers Yeast Manufacturing - Dry Yeast Pitch Fermentor (F6 Stage)	5	-	-	-	-	-	-	-	TON
3-02-034-07	Industrial Processes Food and Agriculture Bakers Yeast Manufacturing - Dry Yeast Trade Fermentor (F7 Stage)	5	-	-	-	-	-	-	-	TON
3-02-036-01	Industrial Processes Food and Agriculture Deep Fat Frying Continuous Deep Fat Fryer: Potato Chips	0.02	-	-	-	-	-	-	-	TON
3-02-036-02	Industrial Processes Food and Agriculture Deep Fat Frying Continuous Deep Fat Fryer: Other Snack Chips	0.085	-	-	-	-	-	-	-	TON
3-02-900-01	Industrial Processes Food and Agriculture Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-02-900-02	Industrial Processes Food and Agriculture Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-02-900-03	Industrial Processes Food and Agriculture Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-03-000-02	Industrial Processes Primary Metal Production Bauxite Ore Processing Drying Oven	-	-	-	-	-	1.4	-	-	TON
3-03-000-03	Industrial Processes Primary Metal Production Bauxite Ore Processing Fine Ore Storage	-	-	-	-	-	3	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-001-01	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Prebake Potline Primary Emissions [See also 303001-13 thru-16]	0.1	0.003	-	-	-	60	-	-	TON
3-03-001-02	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Horizontal Stud Soderberg Potline Primary Emissions	1	-	-	-	-	-	-	-	TON
3-03-001-03	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Vertical Stud Soderberg One (VSS1) Potline Primary Emissions	1	-	-	-	-	-	-	-	TON
3-03-001-05	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Anode Baking Furnace Primary Emissions	1	-	-	-	-	-	-	-	TON
3-03-001-07	Industrial Processes Primary Metal Production Alumina Electrolytic Reduction Roof Vents	2.7	-	-	-	-	-	-	-	TON
3-03-002-01	Industrial Processes Primary Metal Production Aluminum Hydroxide Calcining Overall Process	0.02	-	-	-	-	-	-	-	TON
3-03-003-02	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Oven Charging	2.5	0.03	0.6	-	-	0.02	0.02	-	TON
3-03-003-03	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Oven Pushing	0.2	0.03	0.07	-	-	3.3	0.1	-	TON
3-03-003-04	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Quenching	-	0.6	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-003-06	Industrial Processes Primary Metal Production By-product Coke Manufacturing Oven Underfiring	2	0.04	-	-	-	-	-	-	TON
3-03-003-08	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Oven/Door Leaks	1.5	0.01	0.6	-	-	0.294	0.06	-	TON
3-03-003-13	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing Coal Preheater	0.3	-	-	-	-	-	-	-	TON
3-03-003-14	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Topside Leaks, Lid Leaks	1.5	0.01	-	-	-	0.1	-	-	TON
3-03-003-17	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Combustion Stack: Coke Oven Gas (COG)	-	-	-	-	-	4	-	-	TON
3-03-003-18	Industrial Processes Primary Metal Production Metallurgical Coke Manufacturing By-product Process: Combustion Stack: Blast Furnace Gas (BFG)	-	-	-	-	-	1.08	-	-	TON
3-03-005-02	Industrial Processes Primary Metal Production Primary Copper Smelting Multiple Hearth Roaster	-	-	-	-	-	280	-	0.15	TON
3-03-005-03	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Smelting Furnace after Roaster	-	-	-	-	-	160	-	0.072	TON
3-03-005-04	Industrial Processes Primary Metal Production Primary Copper Smelting Converter (All Configurations)	-	-	-	-	-	740	-	0.27	TON
3-03-005-06	Industrial Processes Primary Metal Production Primary Copper Smelting Ore Concentrate Dryer	-	-	-	-	-	1	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-005-09	Industrial Processes Primary Metal Production Primary Copper Smelting Fluidized Bed Roaster	-	-	-	-	-	360	-	-	TON
3-03-005-10	Industrial Processes Primary Metal Production Primary Copper Smelting Electric Smelting Furnace	-	-	-	-	-	240	-	-	TON
3-03-005-12	Industrial Processes Primary Metal Production Primary Copper Smelting Flash Smelting	-	-	-	-	-	820	-	-	TON
3-03-005-13	Industrial Processes Primary Metal Production Primary Copper Smelting Roasting: Fugitive Emissions	-	-	-	-	-	1	-	-	TON
3-03-005-14	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Furnace: Fugitive Emissions	-	-	-	-	-	4	-	-	TON
3-03-005-15	Industrial Processes Primary Metal Production Primary Copper Smelting Converter: Fugitive Emissions	-	-	-	-	-	130	-	-	TON
3-03-005-16	Industrial Processes Primary Metal Production Primary Copper Smelting Anode Refining Furnace: Fugitive Emissions	-	-	-	-	-	0.1	-	-	TON
3-03-005-17	Industrial Processes Primary Metal Production Primary Copper Smelting Slag Cleaning Furnace: Fugitive Emissions	-	-	-	-	-	6	-	-	TON
3-03-005-18	Industrial Processes Primary Metal Production Primary Copper Smelting Converter Slag Return: Fugitive Emissions	-	-	-	-	-	0.1	-	-	TON
3-03-005-22	Industrial Processes Primary Metal Production Primary Copper Smelting Slag Cleaning Furnace	-	-	-	-	-	6	-	-	TON
3-03-005-23	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Furnace with Converter	-	-	-	-	-	320	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-005-24	Industrial Processes Primary Metal Production Primary Copper Smelting AFT MHR+RF/FBR+EF	-	-	-	-	-	600	-	-	TON
3-03-005-25	Industrial Processes Primary Metal Production Primary Copper Smelting Fluid Bed Roaster with Reverberatory Furnace and Converter	-	-	-	-	-	360	-	-	TON
3-03-005-26	Industrial Processes Primary Metal Production Primary Copper Smelting Dryer with Electric Furnace and Cleaning Furnace and Convertor	-	-	-	-	-	1	-	-	TON
3-03-005-27	Industrial Processes Primary Metal Production Primary Copper Smelting Dryer with Flash Furnace and Converter	-	-	-	-	-	1	-	-	TON
3-03-005-29	Industrial Processes Primary Metal Production Primary Copper Smelting Multiple Hearth Roaster with Reverberatory Furnace and Converter	-	-	-	-	-	280	-	-	TON
3-03-005-30	Industrial Processes Primary Metal Production Primary Copper Smelting Fluid Bed Roaster with Electric Furnace and Converter	-	-	-	-	-	600	-	-	TON
3-03-005-31	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Furnace After Multiple Hearth Roaster	-	-	-	-	-	180	-	-	TON
3-03-005-32	Industrial Processes Primary Metal Production Primary Copper Smelting Reverberatory Furnace After Fluid Bed Roaster	-	-	-	-	-	160	-	-	TON
3-03-005-33	Industrial Processes Primary Metal Production Primary Copper Smelting Electric Furnace After Concentrate Dryer	-	-	-	-	-	240	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-005-34	Industrial Processes Primary Metal Production Primary Copper Smelting Flash Furnace After Concentrate Dryer	-	-	-	-	-	820	-	-	TON
3-03-006-01	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: 50% FeSi	4.5	0.1	-	-	-	0.07	-	0.29	TON
3-03-006-02	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: 75% FeSi	-	0.1	-	-	-	0.07	-	-	TON
3-03-006-03	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: 90% FeSi	-	0.1	-	-	-	0.07	-	-	TON
3-03-006-04	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: Silicon Metal	71.8	0.1	-	-	-	0.07	-	0.0031	TON
3-03-006-05	Industrial Processes Primary Metal Production Ferroalloy Production Open Electric Smelting Furnace: Silicomanaganese	-	0.1	-	-	-	-	-	0.0057	TON
3-03-006-15	Industrial Processes Primary Metal Production Ferroalloy Production Ferromanganese: Blast Furnace	16	-	-	-	-	-	-	-	TON
3-03-006-16	Industrial Processes Primary Metal Production Ferroalloy Production Ferrosilicon: Blast Furnace	16	-	-	-	-	-	-	-	TON
3-03-006-17	Industrial Processes Primary Metal Production Ferroalloy Production Cast House	2.8	-	-	-	-	-	-	-	TON
3-03-007-01	Industrial Processes Primary Metal Production Ferroalloy Production Semi-covered Electric Arc Furnace: Ferromanganese	1.4	0.1	-	-	-	0.01	-	0.11	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-007-03	Industrial Processes Primary Metal Production Ferroalloy Production Semi-covered Electric Arc Furnace: Ferrochromium	8.2	-	-	-	-	-	-	-	TON
3-03-007-04	Industrial Processes Primary Metal Production Ferroalloy Production Semi-covered Electric Arc Furnace: Ferrochromium Silicon	8.2	-	-	-	-	-	-	-	TON
3-03-008-13	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Windbox	1.4	0.3	44.7	-	-	-	-	-	TON
3-03-008-17	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Cooler	-	-	-	-	-	0.14	-	-	TON
3-03-008-19	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Sinter Process (Combined Code includes 15,16,17,18)	0.05	-	-	-	-	-	-	-	TON
3-03-008-22	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Raw Material Stockpile: Ore, Pellets, Limestone, Coke, Sinter	4.8	-	-	-	-	-	-	-	TON
3-03-008-24	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Blast Heating Stoves	0.01	-	-	-	-	-	-	-	TON
3-03-008-25	Industrial Processes Primary Metal Production Iron Production (See 3-03-015 for Integrated Iron & Steel MACT) Cast House	2.8	0.03	-	-	-	3	-	-	TON
3-03-009-01	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Open Hearth Furnace: Stack	0.17	-	-	-	-	2.8	-	0.14	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-009-04	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Electric Arc Furnace: Alloy Steel (Stack)	0.35	0.2	18	-	-	0.07	-	0.22	TON
3-03-009-06	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Charging: Electric Arc Furnace	0.001	-	-	-	-	-	-	-	TON
3-03-009-07	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Tapping: Electric Arc Furnace	0.005	-	-	-	-	-	-	-	TON
3-03-009-08	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Electric Arc Furnace: Carbon Steel (Stack)	0.35	0.2	18	-	-	0.07	-	0.04	TON
3-03-009-11	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Soaking Pits	0.59	-	-	-	-	-	-	-	TON
3-03-009-13	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Basic Oxygen Furnace: Open Hood-Stack	0.001	0.08	138	-	-	-	-	0.2	TON
3-03-009-14	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Basic Oxygen Furnace: Closed Hood-Stack	0.001	-	138	-	-	-	-	0.2	TON
3-03-009-15	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Hot Metal (Iron) Transfer to Steelmaking Furnace	0.001	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-009-16	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Charging: BOF	0.001	-	-	-	-	-	-	-	TON
3-03-009-17	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Tapping: BOF	0.005	0.02	-	-	-	-	-	-	TON
3-03-009-18	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Charging: Open Hearth	0.001	-	-	-	-	-	-	-	TON
3-03-009-19	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Tapping: Open Hearth	0.002	-	-	-	-	-	-	-	TON
3-03-009-21	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Teeming (Unleaded Steel)	0.002	-	-	-	-	-	-	-	TON
3-03-009-22	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Continuous Casting	-	0.05	-	-	-	-	-	-	TON
3-03-009-23	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Steel Furnace Slag Tapping and Dumping	0.002	-	-	-	-	-	-	-	TON
3-03-009-25	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Teeming (Leaded Steel)	0.002	-	-	-	-	-	-	-	TON
3-03-009-33	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Reheat Furnaces	0.01	0.8	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-009-34	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Heat Treating Furnaces: Annealing	-	0.1	-	-	-	-	-	-	TON
3-03-009-36	Industrial Processes Primary Metal Production Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel MACT) Coating: Tin, Zinc, etc.	0.07	1.9	-	-	-	-	-	-	TON
3-03-010-01	Industrial Processes Primary Metal Production Lead Production Sintering: Single Stream	-	-	-	-	-	275	-	105	TON
3-03-010-02	Industrial Processes Primary Metal Production Lead Production Blast Furnace	-	-	-	-	-	45	-	-	TON
3-03-010-03	Industrial Processes Primary Metal Production Lead Production Dross Reverberatory Furnace	-	-	-	-	-	-	-	2.9	TON
3-03-010-04	Industrial Processes Primary Metal Production Lead Production Ore Crushing	-	-	-	-	-	-	-	0.3	TON
3-03-010-06	Industrial Processes Primary Metal Production Lead Production Sintering: Dual Stream Charging	-	-	-	-	-	550	-	174	TON
3-03-010-08	Industrial Processes Primary Metal Production Lead Production Slag Fume Furnace	-	-	-	-	-	2.9	-	-	TON
3-03-010-29	Industrial Processes Primary Metal Production Lead Production Sinter Machine (Weak Gas)	-	-	-	-	-	550	-	-	TON
3-03-023-51	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Grate/Kiln, Gas-fired, Acid Pellets	0.075	1.5	0.014	-	-	0.29	-	-	TON
3-03-023-52	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Grate/Kiln, Gas-fired, Flux Pellets	0.075	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-023-55	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Grate/Kiln, Coke-fired, Acid Pellets	-	-	-	-	-	1.9	-	-	TON
3-03-023-57	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Grate/Kiln, Coke & Coal-fired, Acid Pellets	-	-	-	-	-	2.3	-	-	TON
3-03-023-71	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Vertical Shaft, Gas-fired, Acid Pellets, Top Gas Stack	0.013	0.2	0.077	-	-	-	-	-	TON
3-03-023-72	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Vertical Shaft, Gas-fired, Flux Pellets, Top Gas Stack	0.013	-	-	-	-	-	-	-	TON
3-03-023-73	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Vertical Shaft, Gas-fired, Acid Pellets, Bottom Gas Stack	0.046	-	-	-	-	-	-	-	TON
3-03-023-74	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Vertical Shaft, Gas-fired, Flux Pellets, Bottom Gas Stack	0.046	-	-	-	-	-	-	-	TON
3-03-023-81	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Straight Grate, Gas-fired, Acid Pellets	-	-	0.039	-	-	-	-	-	TON
3-03-023-82	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Straight Grate, Gas-fired, Flux Pellets	-	2.5	-	-	-	-	-	-	TON
3-03-023-87	Industrial Processes Primary Metal Production Taconite Iron Ore Processing Induration: Straight Grate, Coke & Gas-fired, Acid Pellets	-	0.44	0.15	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-024-11	Industrial Processes Primary Metal Production Metal Mining (General Processes) Ore Drying	0.004	1.6	-	-	-	-	-	-	TON
3-03-030-03	Industrial Processes Primary Metal Production Zinc Production Sinter Strand	-	-	-	-	-	0.64	-	-	TON
3-03-030-05	Industrial Processes Primary Metal Production Zinc Production Vertical Retort/Electrothermal Furnace	-	-	-	-	-	1.13	-	-	TON
3-03-030-07	Industrial Processes Primary Metal Production Zinc Production Flash Roaster	-	-	-	-	-	404	-	-	TON
3-03-030-08	Industrial Processes Primary Metal Production Zinc Production Fluid Bed Roaster	-	-	-	-	-	224	-	-	TON
3-03-030-12	Industrial Processes Primary Metal Production Zinc Production Raw Material Unloading	-	-	-	-	-	-	-	0.13	TON
3-03-031-01	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Lead Ore w/ 5.1% Lead Content	-	-	-	-	-	-	-	0.3	TON
3-03-031-02	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Zinc Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-03	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Copper Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-04	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Lead-Zinc Ore w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON
3-03-031-05	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Copper-Lead Ore w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-03-031-06	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Copper-Zinc Ore w/ 0.2% Lead Content	-	-	-	-	-	-	-	0.012	TON
3-03-031-07	Industrial Processes Primary Metal Production Leadbearing Ore Crushing and Grinding Copper-Lead-Zinc w/ 2% Lead Content	-	-	-	-	-	-	-	0.12	TON
3-03-900-01	Industrial Processes Primary Metal Production Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-03-900-02	Industrial Processes Primary Metal Production Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-03-900-03	Industrial Processes Primary Metal Production Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-03-900-04	Industrial Processes Primary Metal Production Fuel Fired Equipment Process Gas: Process Heaters	2.8	-	-	-	-	-	-	-	E6FT3
3-03-900-11	Industrial Processes Primary Metal Production Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.34	-	-	-	-	-	-	-	E3GAL
3-03-900-12	Industrial Processes Primary Metal Production Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-03-900-13	Industrial Processes Primary Metal Production Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-14	Industrial Processes Primary Metal Production Fuel Fired Equipment Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-23	Industrial Processes Primary Metal Production Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-03-900-24	Industrial Processes Primary Metal Production Fuel Fired Equipment Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-001-01	Industrial Processes Secondary Metal Production Aluminum Sweat Furnace	2.4	0.6	-	-	-	0.02	-	-	TON
3-04-001-02	Industrial Processes Secondary Metal Production Aluminum Smelting Furnace/Crucible	2.5	1.7	-	-	-	2.5	-	-	TON
3-04-001-03	Industrial Processes Secondary Metal Production Aluminum Smelting Furnace/Reverberatory	0.2	0.76	-	-	-	0.9	-	-	TON
3-04-001-09	Industrial Processes Secondary Metal Production Aluminum Burning/Drying	-	0.9	-	-	-	2.9	-	-	TON
3-04-001-11	Industrial Processes Secondary Metal Production Aluminum Foil Converting	2.4	-	-	-	-	-	-	-	TON
3-04-001-14	Industrial Processes Secondary Metal Production Aluminum Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON
3-04-001-20	Industrial Processes Secondary Metal Production Aluminum Can Manufacture	-	0.7	-	-	-	-	-	-	TON
3-04-002-07	Industrial Processes Secondary Metal Production Copper Scrap Dryer (Rotary)	-	18	-	-	-	1.5	-	-	TON
3-04-002-08	Industrial Processes Secondary Metal Production Copper Wire Burning: Incinerator	0.6	1.7	-	-	-	12.8	-	-	TON
3-04-002-09	Industrial Processes Secondary Metal Production Copper Sweating Furnace	0.1296	-	-	-	-	-	-	-	TON
3-04-002-10	Industrial Processes Secondary Metal Production Copper Charge with Scrap Copper: Cupolas	0.18	-	-	-	-	-	-	-	TON
3-04-002-11	Industrial Processes Secondary Metal Production Copper Charge with Insulated Copper Wire: Cupolas	0.6	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-002-12	Industrial Processes Secondary Metal Production Copper Charge with Scrap Copper And Brass: Cupolas	0.18	-	-	-	-	-	-	-	TON
3-04-002-14	Industrial Processes Secondary Metal Production Copper Charge with Copper: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-002-15	Industrial Processes Secondary Metal Production Copper Charge with Brass and Bronze: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-002-17	Industrial Processes Secondary Metal Production Copper Charge with Brass and Bronze: Rotary Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-002-19	Industrial Processes Secondary Metal Production Copper Charge with Brass and Bronze: Crucible and Pot Furnace	-	-	-	-	-	0.5	-	-	TON
3-04-003-01	Industrial Processes Secondary Metal Production Grey Iron Foundries Cupola	0.18	0.1	145	-	-	1.2	-	1.1	TON
3-04-003-02	Industrial Processes Secondary Metal Production Grey Iron Foundries Reverberatory Furnace	0.15	5.8	-	-	-	180	-	0.14	TON
3-04-003-03	Industrial Processes Secondary Metal Production Grey Iron Foundries Electric Induction Furnace	-	-	-	-	-	-	-	0.1	TON
3-04-003-04	Industrial Processes Secondary Metal Production Grey Iron Foundries Electric Arc Furnace	0.3	0.6	37	-	-	0.24	-	-	TON
3-04-003-05	Industrial Processes Secondary Metal Production Grey Iron Foundries Annealing Operation	0.1	1	-	-	-	-	-	-	TON
3-04-003-10	Industrial Processes Secondary Metal Production Grey Iron Foundries Inoculation	0.005	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-003-20	Industrial Processes Secondary Metal Production Grey Iron Foundries Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON
3-04-003-31	Industrial Processes Secondary Metal Production Grey Iron Foundries Casting Shakeout	1.2	-	-	-	-	-	-	-	TON
3-04-003-32	Industrial Processes Secondary Metal Production Grey Iron Foundries Casting Knock Out	1.2	-	-	-	-	-	-	-	TON
3-04-003-33	Industrial Processes Secondary Metal Production Grey Iron Foundries Shakeout Machine	1.2	-	-	-	-	-	-	-	TON
3-04-003-51	Industrial Processes Secondary Metal Production Grey Iron Foundries Core Ovens	-	0.5	-	-	-	0.038	-	-	TON
3-04-003-53	Industrial Processes Secondary Metal Production Grey Iron Foundries Core Ovens	-	0.5	-	-	-	0.32	-	-	TON
3-04-003-54	Industrial Processes Secondary Metal Production Grey Iron Foundries Core Ovens	-	0.5	-	-	-	-	-	-	GAL
3-04-003-70	Industrial Processes Secondary Metal Production Grey Iron Foundries Shell Core Machine	-	0.5	-	-	-	0.32	-	-	TON
3-04-003-71	Industrial Processes Secondary Metal Production Grey Iron Foundries Core Machines/Other	-	0.5	-	-	-	-	-	-	TON
3-04-003-98	Industrial Processes Secondary Metal Production Grey Iron Foundries Other Not Classified	-	-	-	-	-	0.063	-	-	TON
3-04-004-01	Industrial Processes Secondary Metal Production Lead Refining Kettle: Pot Furnace	-	-	-	-	-	-	-	0.2	TON
3-04-004-02	Industrial Processes Secondary Metal Production Lead Smelting Furnace: Reverberatory	-	0.3	-	-	-	80	-	65	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-004-03	Industrial Processes Secondary Metal Production Lead Smelting Furnace: Blast	-	0.1	18	-	-	53	-	104	TON
3-04-004-04	Industrial Processes Secondary Metal Production Lead Sweating Furnace: Rotary	-	-	-	-	-	-	-	16	TON
3-04-004-05	Industrial Processes Secondary Metal Production Lead Reverberatory Sweating Furnace	-	-	-	-	-	-	-	11.73	TON
3-04-004-06	Industrial Processes Secondary Metal Production Lead Refining Kettle: Pot Furnace Heater: Distillate Oil	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-04-004-07	Industrial Processes Secondary Metal Production Lead Refining Kettle: Pot Furnace Heater: Natural Gas	2.8	100	-	-	-	0.6	-	-	E6FT3
3-04-004-08	Industrial Processes Secondary Metal Production Lead Refining: Barton Process Reactor (Oxidation Kettle)	-	-	-	-	-	-	-	0.44	TON
3-04-004-09	Industrial Processes Secondary Metal Production Lead Casting	-	-	-	-	-	-	-	0.01	TON
3-04-004-12	Industrial Processes Secondary Metal Production Lead Sweating Furnace: Fugitive Emissions	-	-	-	-	-	-	-	1.8	TON
3-04-004-13	Industrial Processes Secondary Metal Production Lead Smelting Furnace: Fugitive Emissions	-	-	-	-	-	-	-	0.6	TON
3-04-004-14	Industrial Processes Secondary Metal Production Lead Refining Kettle: Fugitive Emissions	-	-	-	-	-	-	-	0.0006	TON
3-04-004-25	Industrial Processes Secondary Metal Production Lead Casting	-	-	-	-	-	-	-	0.0007	TON
3-04-004-26	Industrial Processes Secondary Metal Production Lead Refining Kettle	-	-	-	-	-	-	-	0.01	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-005-01	Industrial Processes Secondary Metal Production Lead Battery Manufacture Overall Process	-	-	-	-	-	-	-	1.18	TON
3-04-005-02	Industrial Processes Secondary Metal Production Lead Battery Manufacture Casting Furnace	-	-	-	-	-	-	-	0.059	TON
3-04-005-03	Industrial Processes Secondary Metal Production Lead Battery Manufacture Paste Mixer	-	-	-	-	-	-	-	0.192	TON
3-04-005-04	Industrial Processes Secondary Metal Production Lead Battery Manufacture Three Process Operation	-	-	-	-	-	-	-	0.815	TON
3-04-005-05	Industrial Processes Secondary Metal Production Lead Battery Manufacture Overall Process	-	-	-	-	-	-	-	17.7	E3EACH
3-04-005-06	Industrial Processes Secondary Metal Production Lead Battery Manufacture Grid Casting	-	-	-	-	-	-	-	0.9	E3EACH
3-04-005-07	Industrial Processes Secondary Metal Production Lead Battery Manufacture Paste Mixing	-	-	-	-	-	-	-	2.49	E3EACH
3-04-005-08	Industrial Processes Secondary Metal Production Lead Battery Manufacture Lead Oxide Mill (Baghouse Outlet)	-	-	-	-	-	-	-	0.11	E3EACH
3-04-005-09	Industrial Processes Secondary Metal Production Lead Battery Manufacture Three Process Operation	-	-	-	-	-	-	-	14.6	E3EACH
3-04-005-10	Industrial Processes Secondary Metal Production Lead Battery Manufacture Lead Reclaiming Furnace	-	-	-	-	-	-	-	1.38	E3EACH
3-04-005-11	Industrial Processes Secondary Metal Production Lead Battery Manufacture Small Parts Casting	-	-	-	-	-	-	-	0.1	E3EACH

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-006-01	Industrial Processes Secondary Metal Production Magnesium Pot Furnace	2.4	2.5	-	-	-	-	-	-	TON
3-04-007-01	Industrial Processes Secondary Metal Production Steel Foundries Electric Arc Furnace	0.35	0.2	-	-	-	0.24	-	-	TON
3-04-007-02	Industrial Processes Secondary Metal Production Steel Foundries Open Hearth Furnace	0.17	0.01	-	-	-	-	-	-	TON
3-04-007-03	Industrial Processes Secondary Metal Production Steel Foundries Open Hearth Furnace with Oxygen Lance	0.17	-	-	-	-	-	-	-	TON
3-04-007-04	Industrial Processes Secondary Metal Production Steel Foundries Heat Treating Furnace	0.6	80.7	-	-	-	277	-	-	TON
3-04-007-07	Industrial Processes Secondary Metal Production Steel Foundries Core Ovens	-	0.05	-	-	-	0.32	-	-	TON
3-04-007-08	Industrial Processes Secondary Metal Production Steel Foundries Pouring/Casting	0.14	0.01	-	-	-	0.02	-	-	TON
3-04-007-09	Industrial Processes Secondary Metal Production Steel Foundries Casting Shakeout	1.2	2.4	-	-	-	-	-	-	TON
3-04-007-10	Industrial Processes Secondary Metal Production Steel Foundries Casting Knock Out	1.2	-	-	-	-	-	-	-	TON
3-04-007-14	Industrial Processes Secondary Metal Production Steel Foundries Shakeout Machine	1.2	-	-	-	-	-	-	-	TON
3-04-007-15	Industrial Processes Secondary Metal Production Steel Foundries Finishing	1.1	-	-	-	-	47.7	-	-	TON
3-04-007-17	Industrial Processes Secondary Metal Production Steel Foundries Core Ovens	-	0.5	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-007-18	Industrial Processes Secondary Metal Production Steel Foundries Core Ovens	-	0.5	-	-	-	-	-	-	GAL
3-04-007-30	Industrial Processes Secondary Metal Production Steel Foundries Shell Core Machine	-	0.5	-	-	-	-	-	-	TON
3-04-007-31	Industrial Processes Secondary Metal Production Steel Foundries Core Machines/Other	-	0.5	-	-	-	-	-	-	TON
3-04-008-02	Industrial Processes Secondary Metal Production Zinc Horizontal Muffle Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-03	Industrial Processes Secondary Metal Production Zinc Pot Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-06	Industrial Processes Secondary Metal Production Zinc Calcining Kiln	-	-	-	-	-	18.3	-	-	TON
3-04-008-09	Industrial Processes Secondary Metal Production Zinc Rotary Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-10	Industrial Processes Secondary Metal Production Zinc Muffle Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-11	Industrial Processes Secondary Metal Production Zinc Electric Resistance Sweat Furnace	2.4	-	-	-	-	-	-	-	TON
3-04-008-24	Industrial Processes Secondary Metal Production Zinc Kettle-Sweat Furnace: General Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-28	Industrial Processes Secondary Metal Production Zinc Reverberatory Sweat Furnace: General Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-34	Industrial Processes Secondary Metal Production Zinc Kettle-Sweat Furnace: Residual Metallic Scrap	2.4	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-008-38	Industrial Processes Secondary Metal Production Zinc Reverberatory Sweat Furnace: Residual Metallic Scrap	2.4	-	-	-	-	-	-	-	TON
3-04-008-41	Industrial Processes Secondary Metal Production Zinc Scrap Melting: Crucible	2.5	-	-	-	-	-	-	-	TON
3-04-008-42	Industrial Processes Secondary Metal Production Zinc Scrap Melting: Reverberatory Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-008-43	Industrial Processes Secondary Metal Production Zinc Scrap Melting: Electric Induction Furnace	0.18	-	-	-	-	-	-	-	TON
3-04-008-54	Industrial Processes Secondary Metal Production Zinc Retort Distillation/Oxidation	-	-	-	-	-	21	-	-	TON
3-04-008-55	Industrial Processes Secondary Metal Production Zinc Muffle Distillation/Oxidation	-	-	-	-	-	40.2	-	-	TON
3-04-008-61	Industrial Processes Secondary Metal Production Zinc Reverberatory Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-62	Industrial Processes Secondary Metal Production Zinc Rotary Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-63	Industrial Processes Secondary Metal Production Zinc Muffle Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-64	Industrial Processes Secondary Metal Production Zinc Kettle (Pot) Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-65	Industrial Processes Secondary Metal Production Zinc Electric Resistance Sweating	2.4	-	-	-	-	-	-	-	TON
3-04-008-67	Industrial Processes Secondary Metal Production Zinc Kettle (Pot) Melting Furnace	2.4	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-008-68	Industrial Processes Secondary Metal Production Zinc Crucible Melting Furnace	2.5	-	-	-	-	-	-	-	TON
3-04-008-69	Industrial Processes Secondary Metal Production Zinc Reverberatory Melting Furnace	0.2	-	-	-	-	-	-	-	TON
3-04-008-70	Industrial Processes Secondary Metal Production Zinc Electric Induction Melting Furnace	0.18	-	-	-	-	-	-	-	TON
3-04-009-01	Industrial Processes Secondary Metal Production Malleable Iron Annealing	0.1	-	-	-	-	-	-	-	TON
3-04-010-07	Industrial Processes Secondary Metal Production Nickel Electric Arc Furnace with Carbon Electrode	0.1	0.003	-	-	-	60	-	-	TON
3-04-010-08	Industrial Processes Secondary Metal Production Nickel Electric Arc Furnace	0.18	0.32	-	-	-	0.24	-	-	TON
3-04-020-01	Industrial Processes Secondary Metal Production Furnace Electrode Manufacture Calcination	0.06	-	-	-	-	-	-	-	TON
3-04-020-04	Industrial Processes Secondary Metal Production Furnace Electrode Manufacture Bake Furnaces	1	-	-	-	-	1.6	-	-	TON
3-04-022-01	Industrial Processes Secondary Metal Production Metal Heat Treating Furnace: General	0.1	4	-	-	-	-	-	-	TON
3-04-022-10	Industrial Processes Secondary Metal Production Metal Heat Treating Quench Bath	280	-	-	-	-	-	-	-	TON
3-04-040-01	Industrial Processes Secondary Metal Production Lead Cable Coating General	-	-	-	-	-	-	-	0.5	TON
3-04-900-01	Industrial Processes Secondary Metal Production Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-04-900-02	Industrial Processes Secondary Metal Production Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-04-900-03	Industrial Processes Secondary Metal Production Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-04-900-04	Industrial Processes Secondary Metal Production Fuel Fired Equipment Process Gas: Process Heaters	2.8	140	-	-	-	9.5E2*S	-	-	E6FT3
3-04-900-11	Industrial Processes Secondary Metal Production Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-04-900-12	Industrial Processes Secondary Metal Production Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-04-900-13	Industrial Processes Secondary Metal Production Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-14	Industrial Processes Secondary Metal Production Fuel Fired Equipment Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-23	Industrial Processes Secondary Metal Production Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-04-900-24	Industrial Processes Secondary Metal Production Fuel Fired Equipment Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-05-001-01	Industrial Processes Mineral Products Asphalt Roofing Manufacture Asphalt Blowing: Saturant (Use 3-05-050-10 for MACT)	1.46	-	0.27	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-001-02	Industrial Processes Mineral Products Asphalt Roofing Manufacture Asphalt Blowing: Coating (Use 3-05-050-10 for MACT)	1.86	-	0.27	-	-	-	-	-	TON
3-05-001-03	Industrial Processes Mineral Products Asphalt Roofing Manufacture Felt Saturation: Dipping Only	0.02	-	0.02	-	-	-	-	-	TON
3-05-001-04	Industrial Processes Mineral Products Asphalt Roofing Manufacture Felt Saturation: Dipping/Spraying	0.03	-	0.25	-	-	-	-	-	TON
3-05-001-05	Industrial Processes Mineral Products Asphalt Roofing Manufacture General	0.48	-	2.9	-	-	-	-	-	TON
3-05-001-10	Industrial Processes Mineral Products Asphalt Roofing Manufacture Blowing (Use 3-05-050-01 for MACT)	-	-	0.27	-	-	-	-	-	TON
3-05-001-11	Industrial Processes Mineral Products Asphalt Roofing Manufacture Dipping Only	0.02	-	-	-	-	-	-	-	TON
3-05-001-12	Industrial Processes Mineral Products Asphalt Roofing Manufacture Spraying Only	0.01	-	-	-	-	-	-	-	TON
3-05-001-13	Industrial Processes Mineral Products Asphalt Roofing Manufacture Dipping/Spraying	0.03	-	-	-	-	-	-	-	TON
3-05-001-16	Industrial Processes Mineral Products Asphalt Roofing Manufacture Shingle Saturation: Dip Saturator, Drying-in Drum, Hot Looper & Coater	0.091	-	-	-	-	-	-	-	TON
3-05-001-17	Industrial Processes Mineral Products Asphalt Roofing Manufacture Shingle Saturation: Dip Saturator, Drying-in Drum and Coater	-	-	0.0019	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-001-19	Industrial Processes Mineral Products Asphalt Roofing Manufacture Shingle Sation:Spray/Dip Satur,Drying-in Drm,Hot Loopr,Coatr & Str Tk	0.26	-	-	-	-	-	-	-	TON
3-05-002-02	Industrial Processes Mineral Products Asphalt Concrete Batch Mix Plant: Hot Elevs, Screens, Bins&Mixer (also see -45 thru -47	-	0.03	-	-	-	0.09	-	-	TON
3-05-002-05	Industrial Processes Mineral Products Asphalt Concrete Drum Dryer: Drum Mix Plant (see 3-05-002-55 thru -63 for subtypes)	-	-	-	6.5	-	-	-	-	TON
3-05-002-06	Industrial Processes Mineral Products Asphalt Concrete Asphalt Heater: Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
3-05-002-07	Industrial Processes Mineral Products Asphalt Concrete Asphalt Heater: Residual Oil	0.28	55	5	-	-	159*S	-	-	E3GAL
3-05-002-08	Industrial Processes Mineral Products Asphalt Concrete Asphalt Heater: Distillate Oil	0.2	20	5	-	-	144*S	-	-	E3GAL
3-05-002-09	Industrial Processes Mineral Products Asphalt Concrete Asphalt Heater: LPG	0.47	8.8	1.8	-	-	86.5*S	-	-	E3GAL
3-05-002-13	Industrial Processes Mineral Products Asphalt Concrete Storage Silo	0.012	-	0.00118	-	-	-	-	-	TON
3-05-002-14	Industrial Processes Mineral Products Asphalt Concrete Truck Load-out	0.0039	-	0.0013	-	-	-	-	-	TON
3-05-002-45	Industrial Processes Mineral Products Asphalt Concrete Batch Mix Plant: Hot Elevators, Screens, Bins, Mixer & NG Rot Dryer	0.0082	0.025	0.4	4.5	-	0.0046	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-002-46	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete Drum Mix Plant: Rotary Drum Dryer/Mixer, Waste/Drain/#6 Oil-Fired	0.032	0.055	0.13	6.5	-	0.058	-	-	TON

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SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-002-62	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete 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	Industrial Processes Mineral Products Asphalt Concrete Yard Emissions: Emissions from asphalt in truck beds	0.001	-	0.00035	-	-	-	-	-	TON
3-05-002-98	Industrial Processes Mineral Products Asphalt Concrete Other Not Classified	-	-	-	-	-	0.19	-	-	TON
3-05-003-02	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Raw Material Crushing, Grinding, and Screening	-	-	-	0.53	-	-	-	-	TON
3-05-003-04	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Curing	0.03	0.29	0.07	-	-	0.02	-	-	TON
3-05-003-10	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Sawdust-fired	0.024	0.37	1.6	0.85	0.75	0.67	-	0.00015	TON
3-05-003-11	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Gas-fired	0.024	0.35	1.2	0.87	-	0.67	-	0.00015	TON
3-05-003-12	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Oil-fired	0.007	1.05	0.12	-	-	3.95E0*S	-	-	TON
3-05-003-13	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Coal-fired	0.024	0.51	0.8	1.4	0.87	1.2	-	0.00015	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-003-14	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Periodic Kiln: Gas-fired	0.01	0.5	0.15	-	-	-	-	-	TON
3-05-003-15	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Periodic Kiln: Oil-fired	0.01	1.62	0.19	-	-	5.9E0*S	-	-	TON
3-05-003-16	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Periodic Kiln: Coal-fired	0.02	2.35	2.39	-	-	1.213E1*S	-	-	TON
3-05-003-22	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Tunnel Kiln: Gas-fired: High Sulfur Material	-	0.35	1.2	-	-	5.1	-	-	TON
3-05-003-50	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Brick Dryer: Heated With Waste Heat From Kiln Cooling Zone	0.03	-	-	-	-	-	-	-	TON
3-05-003-51	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Brick Dryer: Heated With Waste Heat And Supplemental Gas Burners	0.03	0.098	0.31	-	-	-	-	-	TON
3-05-003-61	Industrial Processes Mineral Products Brick and Structural Clay Products Manufacture Sawdust Dryer: Heated With Exhaust From Sawdust-fired Kiln	0.18	-	-	0.31	-	-	-	0.00012	TON
3-05-004-01	Industrial Processes Mineral Products Calcium Carbide Electric Furnace: Hoods and Main Stack	-	-	-	-	-	3	-	-	TON
3-05-004-02	Industrial Processes Mineral Products Calcium Carbide Coke Dryer	-	0.2	-	-	-	3	-	-	TON

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SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-005-04	Industrial Processes Mineral Products Castable Refractory Curing Oven	1	0.16	-	-	-	-	-	-	TON
3-05-006-06	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Kiln	0.028	6	0.21	-	-	10	-	0.12	TON
3-05-006-13	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Raw Material Grinding and Drying	-	-	-	-	-	-	-	0.04	TON
3-05-006-17	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Clinker Grinding	-	-	-	-	-	-	-	0.04	TON
3-05-006-22	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Preheater Kiln	0.18	4.8	0.98	-	-	0.55	-	-	TON
3-05-006-23	Industrial Processes Mineral Products Cement Manufacturing (Dry Process) Preheater/Precalciner Kiln	0.12	4.2	3.7	-	-	1.1	-	-	TON
3-05-007-06	Industrial Processes Mineral Products Cement Manufacturing (Wet Process) Kiln	0.028	7.4	0.12	-	-	8.2	-	0.1	TON
3-05-007-17	Industrial Processes Mineral Products Cement Manufacturing (Wet Process) Clinker Grinding	-	-	-	-	-	-	-	0.02	TON
3-05-008-45	Industrial Processes Mineral Products Clay Ceramics Manufacture Glaze Spray Booth	-	-	-	-	-	-	-	3	TON
3-05-008-50	Industrial Processes Mineral Products Clay Ceramics Manufacture Tunnel Kiln: Natural Gas-fired	0.43	0.54	3.3	-	-	4.4E1*S	-	-	TON
3-05-010-01	Industrial Processes Mineral Products Coal Mining, Cleaning, and Material Handling Fluidized Bed Reactor	0.098	0.16	-	-	-	1.4	-	-	TON
3-05-010-02	Industrial Processes Mineral Products Coal Mining, Cleaning, and Material Handling Flash Dryer	-	-	-	-	-	0.52	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-011-07	Industrial Processes Mineral Products Concrete Batching Cement Unloading to Elevated Storage Silo	-	-	-	-	-	-	-	0.000000736	TON
3-05-011-09	Industrial Processes Mineral Products Concrete Batching Mixer Loading of Cement/Sand/Aggregate	-	-	-	-	-	-	-	0.000000382	TON
3-05-011-10	Industrial Processes Mineral Products Concrete Batching Loading of Transit Mix Truck	-	-	-	-	-	-	-	0.00000362	TON
3-05-012-01	Industrial Processes Mineral Products Fiberglass Manufacturing Regenerative Furnace (Wool-type Fiber)	0.2	5	0.25	-	-	10	-	-	TON
3-05-012-02	Industrial Processes Mineral Products Fiberglass Manufacturing Recuperative Furnace (Wool-type Fiber)	0.2	1.7	0.25	-	-	10	-	-	TON
3-05-012-03	Industrial Processes Mineral Products Fiberglass Manufacturing Electric Furnace (Wool-type Fiber)	0.2	0.27	0.05	-	-	0.04	-	-	TON
3-05-012-07	Industrial Processes Mineral Products Fiberglass Manufacturing Unit Melter Furnace (Wool-type Fiber)	-	0.3	0.25	-	-	0.6	-	-	TON
3-05-012-08	Industrial Processes Mineral Products Fiberglass Manufacturing Forming: Flame Attenuation (Wool-type Fiber)	0.3	-	-	-	-	-	-	-	TON
3-05-012-09	Industrial Processes Mineral Products Fiberglass Manufacturing Curing: Flame Attenuation (Wool-type Fiber)	7	2	3.5	-	-	-	-	-	TON
3-05-012-11	Industrial Processes Mineral Products Fiberglass Manufacturing Regenerative Furnace (Textile-type Fiber)	0.2	20	1	-	-	30	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-012-12	Industrial Processes Mineral Products Fiberglass Manufacturing Recuperative Furnace (Textile-type Fiber)	0.2	20	0.5	-	-	3	-	-	TON
3-05-012-13	Industrial Processes Mineral Products Fiberglass Manufacturing Unit Melter Furnace (Textile-type Fiber)	-	20	0.9	-	-	-	-	-	TON
3-05-012-15	Industrial Processes Mineral Products Fiberglass Manufacturing Curing Oven (Textile-type Fiber)	-	2.6	1.5	-	-	-	-	-	TON
3-05-013-05	Industrial Processes Mineral Products Frit Manufacture Rotary Smelting Furnace	-	16	4.8	-	-	-	-	-	TON
3-05-013-06	Industrial Processes Mineral Products Frit Manufacture Continuous Smelting Furnace	-	16	4.8	-	-	-	-	-	TON
3-05-014-02	Industrial Processes Mineral Products Glass Manufacture Container Glass: Melting Furnace	0.2	6.2	0.2	-	-	3.4	-	-	TON
3-05-014-03	Industrial Processes Mineral Products Glass Manufacture Flat Glass: Melting Furnace	0.1	8	0.1	-	-	3	-	-	TON
3-05-014-04	Industrial Processes Mineral Products Glass Manufacture Pressed and Blown Glass: Melting Furnace	0.3	8.5	0.2	-	-	5.6	-	-	TON
3-05-014-06	Industrial Processes Mineral Products Glass Manufacture Container Glass: Forming/Finishing	8.7	-	-	-	-	-	-	-	TON
3-05-014-08	Industrial Processes Mineral Products Glass Manufacture Pressed and Blown Glass: Forming/Finishing	9	-	-	-	-	-	-	-	TON
3-05-014-14	Industrial Processes Mineral Products Glass Manufacture Ground Cullet Beading Furnace	0.3	8.5	-	-	-	5.6	-	-	TON
3-05-016-03	Industrial Processes Mineral Products Lime Manufacture Calcining: Vertical Kiln	0.02	2.8	-	-	-	8.2	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-016-04	Industrial Processes Mineral Products Lime Manufacture 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	Industrial Processes Mineral Products Lime Manufacture Calcining: Gas-fired Calcimatic Kiln	0.02	0.15	-	-	-	-	-	-	TON
3-05-016-06	Industrial Processes Mineral Products Lime Manufacture Fluidized Bed Kiln	0.02	-	-	-	-	-	-	-	TON
3-05-016-18	Industrial Processes Mineral Products Lime Manufacture Calcining: Coal-fired Rotary Kiln	-	3.1	1.5	-	-	5.4	-	-	TON
3-05-016-19	Industrial Processes Mineral Products Lime Manufacture Calcining: Gas-fired Rotary Kiln	-	3.5	2.2	-	-	-	-	-	TON
3-05-017-01	Industrial Processes Mineral Products Mineral Wool Manufacturing Cupola	-	1.6	250	-	-	8	-	-	TON
3-05-017-03	Industrial Processes Mineral Products Mineral Wool Manufacturing Blow Chamber	0.9	-	-	-	-	0.087	-	-	TON
3-05-017-04	Industrial Processes Mineral Products Mineral Wool Manufacturing Curing Oven	1	0.16	-	-	-	1.2	-	-	TON
3-05-017-05	Industrial Processes Mineral Products Mineral Wool Manufacturing Cooler	0.04	-	-	-	-	0.068	-	-	TON
3-05-019-01	Industrial Processes Mineral Products Phosphate Rock Drying	-	-	0.34	-	-	-	-	-	TON
3-05-020-02	Industrial Processes Mineral Products Stone Quarrying - Processing Secondary Crushing/Screening	-	-	-	0.0087	-	-	-	-	TON
3-05-020-03	Industrial Processes Mineral Products Stone Quarrying - Processing Tertiary Crushing/Screening	-	-	-	0.0024	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-020-05	Industrial Processes Mineral Products Stone Quarrying - Processing Fines Mill	-	-	-	0.015	-	-	-	-	TON
3-05-020-06	Industrial Processes Mineral Products Stone Quarrying - Processing Miscellaneous Operations: Screen/Convey/Handling	-	-	-	0.0011	0.000013	-	-	-	TON
3-05-020-10	Industrial Processes Mineral Products Stone Quarrying - Processing Drilling	-	-	-	0.00008	-	-	-	-	TON
3-05-020-21	Industrial Processes Mineral Products Stone Quarrying - Processing Fines Screening	-	-	-	0.072	-	-	-	-	TON
3-05-020-31	Industrial Processes Mineral Products Stone Quarrying - Processing Truck Unloading	-	-	-	0.000016	-	-	-	-	TON
3-05-020-32	Industrial Processes Mineral Products Stone Quarrying - Processing Truck Loading: Conveyor	-	-	-	0.0001	-	-	-	-	TON
3-05-027-20	Industrial Processes Mineral Products Industrial Sand and Gravel Sand Drying: Gas- or Oil-fired Rotary or Fluidized Bed Dryer	-	0.031	-	-	-	-	-	-	TON
3-05-029-10	Industrial Processes Mineral Products Lightweight Aggregate Manufacture Rotary Kiln	-	-	0.59	-	-	5.6	-	-	TON
3-05-033-01	Industrial Processes Mineral Products Vermiculite General	-	0.08	-	-	-	0.47	-	-	TON
3-05-310-01	Industrial Processes Mineral Products Coal Mining, Cleaning, and Material Handling (See 305010) Fluidized Bed	98	160	-	-	-	1400	-	-	E3TON
3-05-310-02	Industrial Processes Mineral Products Coal Mining, Cleaning, and Material Handling (See 305010) Flash or Suspension	-	-	-	-	-	520	-	-	E3TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-05-900-01	Industrial Processes Mineral Products Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-05-900-02	Industrial Processes Mineral Products Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-05-900-03	Industrial Processes Mineral Products Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-05-900-11	Industrial Processes Mineral Products Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-05-900-12	Industrial Processes Mineral Products Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-05-900-13	Industrial Processes Mineral Products Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-05-900-23	Industrial Processes Mineral Products Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-06-001-01	Industrial Processes Petroleum Industry Process Heaters Oil-fired	12.6	2310	-	-	-	6.678E3*S	-	0.0121716	E3BBL
3-06-001-02	Industrial Processes Petroleum Industry Process Heaters Gas-fired	-	0.14	0.03	-	-	9.5E-1*S	-	-	E3FT3
3-06-001-03	Industrial Processes Petroleum Industry Process Heaters Oil	0.3	55	5	-	-	1.586E2*S	-	-	E3GAL
3-06-001-04	Industrial Processes Petroleum Industry Process Heaters Gas	5.5	100	84	-	-	-	-	-	E6FT3
3-06-001-05	Industrial Processes Petroleum Industry Process Heaters Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
3-06-001-06	Industrial Processes Petroleum Industry Process Heaters Process Gas	2.8	140	35	-	-	-	-	-	E6FT3
3-06-001-07	Industrial Processes Petroleum Industry Process Heaters Liquified Petroleum Gas (LPG)	0.26	12.8	3.2	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-06-001-08	Industrial Processes Petroleum Industry Process Heaters Landfill Gas	2.8	-	-	-	-	-	-	-	E6FT3
3-06-001-11	Industrial Processes Petroleum Industry Process Heaters No. 6 Oil	-	67	5	-	-	1.593E2*S	-	-	E3GAL
3-06-002-01	Industrial Processes Petroleum Industry Catalytic Cracking Unit Fluid Catalytic Cracking Unit	220	71	13700	-	-	493	54	-	E3BBL
3-06-003-01	Industrial Processes Petroleum Industry Catalytic Cracking Unit Thermal Catalytic Cracking Unit	87	5	3800	-	-	60	6	-	E3BBL
3-06-004-01	Industrial Processes Petroleum Industry Blowdown Systems Blowdown System with Vapor Recovery System with Flaring	0.8	18.9	4.3	-	-	26.9	-	-	E3BBL
3-06-004-02	Industrial Processes Petroleum Industry Blowdown Systems All Not Elsewhere Classified	580	-	-	-	-	-	-	-	E3BBL
3-06-005-03	Industrial Processes Petroleum Industry Wastewater Treatment Process Drains and Wastewater Separators	5	-	-	-	-	-	-	-	E3GAL
3-06-005-04	Industrial Processes Petroleum Industry Wastewater Treatment Process Drains and Wastewater Separators	200	-	-	-	-	-	-	-	E3BBL
3-06-005-05	Industrial Processes Petroleum Industry Wastewater Treatment Wastewater Treatment without Separator	0.03	-	-	-	-	-	-	-	E3GAL
3-06-005-06	Industrial Processes Petroleum Industry Wastewater Treatment Wastewater Treatment w/o Separator	0.7	-	-	-	-	-	-	-	E3BBL
3-06-006-02	Industrial Processes Petroleum Industry Vacuum Distillation Column Condenser	50	-	-	-	-	-	-	-	E3BBL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-06-006-03	Industrial Processes Petroleum Industry Vacuum Distillate Column Condensors Vacuum Distillation Column Condenser	18	-	-	-	-	-	-	-	E3BBL
3-06-007-01	Industrial Processes Petroleum Industry Cooling Towers All Not Elsewhere Classified	6	-	-	-	-	-	-	-	E6GAL
3-06-007-02	Industrial Processes Petroleum Industry Cooling Towers Cooling Towers	10	-	-	-	-	-	-	-	E3BBL
3-06-008-11	Industrial Processes Petroleum Industry Fugitive Emissions Pipeline Valves: Gas Streams	517	-	-	-	-	-	-	-	EACH
3-06-008-12	Industrial Processes Petroleum Industry Fugitive Emissions Pipeline Valves: Light Liquid/Gas Streams	210	-	-	-	-	-	-	-	EACH
3-06-008-13	Industrial Processes Petroleum Industry Fugitive Emissions Pipeline Valves: Heavy Liquid Streams	4.38	-	-	-	-	-	-	-	EACH
3-06-008-14	Industrial Processes Petroleum Industry Fugitive Emissions Pipeline Valves: Hydrogen Streams	158	-	-	-	-	-	-	-	EACH
3-06-008-15	Industrial Processes Petroleum Industry Fugitive Emissions Open-ended Valves: All Streams	43.8	-	-	-	-	-	-	-	EACH
3-06-008-16	Industrial Processes Petroleum Industry Fugitive Emissions Flanges: All Streams	4.9	-	-	-	-	-	-	-	EACH
3-06-008-17	Industrial Processes Petroleum Industry Fugitive Emissions Pump Seals: Light Liquid/Gas Streams	2190	-	-	-	-	-	-	-	EACH
3-06-008-18	Industrial Processes Petroleum Industry Fugitive Emissions Pump Seals: Heavy Liquid Streams	403	-	-	-	-	-	-	-	EACH
3-06-008-19	Industrial Processes Petroleum Industry Fugitive Emissions Compressor Seals: Gas Streams	12300	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-06-008-20	Industrial Processes Petroleum Industry Fugitive Emissions Compressor Seals: Heavy Liquid Streams	964	-	-	-	-	-	-	-	EACH
3-06-008-21	Industrial Processes Petroleum Industry Fugitive Emissions Drains: All Streams	613	-	-	-	-	-	-	-	EACH
3-06-008-22	Industrial Processes Petroleum Industry Fugitive Emissions Pressure Relief Devices: All Streams	3150	-	-	-	-	-	-	-	EACH
3-06-009-03	Industrial Processes Petroleum Industry Flares Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-009-04	Industrial Processes Petroleum Industry Flares Process Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-010-01	Industrial Processes Petroleum Industry Sludge Converter All Not Elsewhere Classified	35.6	-	-	-	-	-	-	-	TON
3-06-011-01	Industrial Processes Petroleum Industry Asphalt/Bitumen Production Asphalt Blowing	60	-	-	-	-	-	-	-	TON
3-06-012-01	Industrial Processes Petroleum Industry Fluid Coking Unit All Not Elsewhere Classified	16	-	-	-	-	-	-	-	E3BBL
3-06-014-01	Industrial Processes Petroleum Industry Petroleum Coke Calcining Calciner	0.7	1.1	-	-	-	16	-	-	TON
3-06-024-01	Industrial Processes Petroleum Industry Reciprocating Engine Compressors Natural Gas Fired	-	-	-	-	-	-	0.2	-	E3FT3
3-06-099-01	Industrial Processes Petroleum Industry Incinerators Distillate Oil (No. 2)	0.4	-	-	-	-	-	-	-	E3GAL
3-06-099-02	Industrial Processes Petroleum Industry Incinerators Residual Oil	0.56	-	-	-	-	-	-	-	E3GAL
3-06-099-03	Industrial Processes Petroleum Industry Incinerators Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
3-06-099-04	Industrial Processes Petroleum Industry Incinerators Process Gas	5.6	-	-	-	-	-	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-001-02	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Brown Stock Washing System	0.2	-	-	-	-	0.01	-	-	TON
3-07-001-04	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Recovery Furnace/Direct Contact Evaporator	1.95	2	11	-	-	7	-	-	TON
3-07-001-05	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Smelt Dissolving Tank	0.16	1	-	-	-	0.2	-	-	TON
3-07-001-06	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Lime Kiln	0.25	2.8	0.1	-	-	0.3	-	0.000109	TON
3-07-001-07	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Turpentine Condenser	0.07	-	-	-	-	-	-	-	TON
3-07-001-08	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Fluid Bed Calciner	0.25	2.8	-	-	-	0.3	-	-	TON
3-07-001-09	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Black Liquor Oxidation System	0.45	-	-	-	-	0.02	-	-	TON
3-07-001-10	Industrial Processes Pulp and Paper and Wood Products Sulfate (Kraft) Pulping Recovery Furnace/Indirect Contact Evaporator	0.8	1.9	11	-	-	-	-	-	TON
3-07-002-21	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Recovery System: MgO	-	-	-	-	-	9	-	-	TON
3-07-002-22	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Recovery System: NH3 including liquor evaporators	-	-	-	-	-	7	-	-	TON
3-07-002-23	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Recovery System: Na	-	-	-	-	-	2	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-002-31	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Acid Plant: NH3	3.5	-	-	-	-	0.3	-	-	TON
3-07-002-32	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Acid Plant: Na	3.5	-	-	-	-	0.2	-	-	TON
3-07-002-33	Industrial Processes Pulp and Paper and Wood Products Sulfite Pulping Acid Plant: Ca	3.5	-	-	-	-	8	-	-	TON
3-07-003-01	Industrial Processes Pulp and Paper and Wood Products Semichemical Pulping Neutral Sulfite Semichemical Pulping: Digester/Blow Pit/Dump Tank	-	-	-	-	-	4	-	-	TON
3-07-003-02	Industrial Processes Pulp and Paper and Wood Products Semichemical Pulping Neutral Sulfite Semichemical Pulping: Evaporator	-	-	-	-	-	0.01	-	-	TON
3-07-003-03	Industrial Processes Pulp and Paper and Wood Products Neutral Sulfite Semichemical Pulping Fluid Bed Reactor	0.25	1.6	-	-	-	-	-	-	TON
3-07-004-01	Industrial Processes Pulp and Paper and Wood Products Paper, Paperboard, and Pulpboard Manufacture Paper Machine / Pulp Dryer	0.2	-	-	-	-	-	-	-	TON
3-07-004-02	Industrial Processes Pulp and Paper and Wood Products Pulpboard Manufacture Fiberboard: General	2.5	-	-	-	-	-	-	-	TON
3-07-005-30	Industrial Processes Pulp and Paper and Wood Products Wood Pressure Treating Empty-cell process, creosote	0.00074	-	-	-	-	-	-	-	FT3
3-07-005-40	Industrial Processes Pulp and Paper and Wood Products Wood Pressure Treating Empty-cell process with artificial conditioning, creosote	0.0058	-	-	-	-	-	-	-	FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-006-07	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, Softwood	0.9	0.58	0.68	-	-	-	-	-	TON
3-07-006-08	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, mixed soft/hardwoods	0.059	1.8	0.59	-	-	-	-	-	TON
3-07-006-10	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, Hardwoods	0.24	0.92	5.7	-	-	-	-	-	TON
3-07-006-25	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, Softwood, green (>50%inlet moisture)	4.7	2.7	3.5	-	-	-	-	-	TON
3-07-006-26	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Wood-fired Rotary Dryer, mixed soft/hardwoods, green	1.6	1.4	0.77	-	-	-	-	-	TON
3-07-006-30	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Natural Gas-fired Rotary Dryer, Softwood	2	-	-	-	-	-	-	-	TON
3-07-006-31	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Natural Gas-fired Rotary Dryer, Softwood, green (>50% moisture)	0.94	-	-	-	-	-	-	-	TON
3-07-006-32	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Direct Natural Gas-fired Rotary Dryer, Hardwood	0.28	0.024	1.2	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-006-35	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Dry Rotary Dryer: Indirect-heated: <600F Inlet air, <30%MC: Softwood	0.3	0.31	0.12	-	-	-	-	-	TON
3-07-006-51	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Reconstituted Wood Products Press: Batch: Urea Formaldehyde Resin	1.1	0.017	0.22	-	-	-	-	-	E3FT2
3-07-006-61	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Board Cooler: Urea Formaldehyde Resin	0.091	-	0.15	-	-	-	-	-	E3FT2
3-07-006-64	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Refiner: Green Wood Material: Softwood	1.1	-	-	-	-	-	-	-	TON
3-07-006-65	Industrial Processes Pulp and Paper and Wood Products Particleboard Manufacture Sanding Operations	0.079	-	-	-	-	-	-	-	E3FT2
3-07-007-34	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hardwood Veneer Dryer: Direct Wood-fired: Heated Zones	0.063	-	0.23	-	-	-	-	-	E3FT2
3-07-007-35	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hardwood Veneer Dryer: Direct Wood-fired: Cooling Section	0.0045	-	-	-	-	-	-	-	E3FT2
3-07-007-36	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Direct Wood-fired: Heated Zones	1.1	0.17	3.2	-	-	-	-	-	E3FT2
3-07-007-52	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Direct Natural Gas-fired: Heated Zones	2.5	0.012	0.64	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-007-53	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Direct Natural Gas-fired: Cooling Section	0.044	-	0.01	-	-	-	-	-	E3FT2
3-07-007-56	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hardwood Veneer Dryer: Indirect-heated: Heated Zones	0.28	-	0.0088	-	-	-	-	-	E3FT2
3-07-007-57	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hardwood Veneer Dryer: Indirect-heated: Cooling Section	0.72	-	0.099	-	-	-	-	-	E3FT2
3-07-007-62	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Indirect-heated: Heated Zones	1.8	-	0.028	-	-	-	-	-	E3FT2
3-07-007-63	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Veneer Dryer: Indirect-heated: Cooling Section	0.054	-	0.043	-	-	-	-	-	E3FT2
3-07-007-71	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Veneer Redryer: Radio Frequency-heated: Softwood	0.28	-	-	-	-	-	-	-	E3FT2
3-07-007-83	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Press: Phenol Formaldehyde Resin: Softwood	0.25	-	-	-	-	-	-	-	E3FT2
3-07-007-85	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Press: Urea Formaldehyde Resin: Hardwood	0.047	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-007-88	Industrial Processes Pulp and Paper and Wood Products Plywood Operations HardwdPlywd,CombdDustBH:Trim&CoreSaws,Composr,DryHog,Hammermill,Sandr	0.014	-	-	-	-	-	-	-	E3FT2
3-07-007-90	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hammermill/Chipper: Green Wood Material: Softwood	0.072	-	-	-	-	-	-	-	E3FT2
3-07-007-91	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Hammermill/Chipper: Dry Wood Material	0.068	-	-	-	-	-	-	-	E3FT2
3-07-007-92	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Plywood, Sanders and Specialty Saw	0.18	-	-	-	-	-	-	-	E3FT2
3-07-007-93	Industrial Processes Pulp and Paper and Wood Products Plywood Operations Softwood Plywood, Saws, Hog, and Sander	0.086	-	-	-	-	-	-	-	E3FT2
3-07-009-23	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Pressurized Refiner/Primary Tube Dryer: Direct Wood-fired: Blowline Blend: Urea Formaldehyde Resin: Softwood	6.7	-	4	-	-	-	-	-	TON
3-07-009-27	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Pressurized Refiner/Primary Tube Dryer: Direct Natural Gas-fired: Non-Blowline Blend: Hardwood	1.2	-	0.2	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-009-32	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Pressurized Refiner/Primary Tube Dryer: Indirect-heated: Blowline Blend: Urea Formaldehyde Resin: Softwood	5.6	-	0.068	-	-	-	-	-	TON
3-07-009-33	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Indirect-heated Tube Dryer, Non-blowline Blend, Softwoods	2.1	-	0.11	-	-	-	-	-	TON
3-07-009-36	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Pressurized Refiner/Primary Tube Dryer: Indirect-heated: Blowline Blend: Urea Formaldehyde Resin: Hardwood	4.8	-	-	-	-	-	-	-	TON
3-07-009-37	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Indirect-heated Second Stage Tube Dryer, Blowline Blend, Softwoods	0.18	-	-	-	-	-	-	-	TON
3-07-009-40	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Direct Natural Gas-fired Rotary Predryer, Softwoods	0.95	-	0.24	-	-	-	-	-	TON
3-07-009-60	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Reconstituted Wood Products Press: Batch: Urea Formaldehyde Resin	0.8	0.03	0.034	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-009-71	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Board Cooler: Urea Formaldehyde Resin	0.13	-	-	-	-	-	-	-	E3FT2
3-07-009-82	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Former With Blowline Blend: Urea Formaldehyde Resin	0.067	-	-	-	-	-	-	-	TON
3-07-009-83	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Sanding Operations: Urea Formaldehyde Resin	0.0066	-	-	-	-	-	-	-	E3FT2
3-07-009-84	Industrial Processes Pulp and Paper and Wood Products Medium Density Fiberboard (MDF) Manufacture Sawing Operations: Pre-Press: Urea Formaldehyde Resin	0.13	-	-	-	-	-	-	-	E3FT2
3-07-010-09	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Direct Wood-fired: Softwood	8.1	0.7	5.3	-	-	-	-	-	TON
3-07-010-10	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Direct Wood-fired: Hardwood	2.1	0.63	5.5	-	-	-	-	-	TON
3-07-010-15	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Direct Wood-fired: Mixed Softwood/Hardwood	4.4	0.51	5.9	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-010-20	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Direct Natural Gas-fired: Hardwood	-	0.68	0.72	-	-	-	-	-	TON
3-07-010-30	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Rotary Strand Dryer: Indirect-heated: Hardwood	0.51	-	-	-	-	-	-	-	TON
3-07-010-53	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Reconstituted Wood Products Press: Phenol Formaldehyde Resin	0.21	0.049	0.095	-	-	-	-	-	E3FT2
3-07-010-54	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Hot Press, Phenol-Formaldehyde Resin (Dry)	-	0.0014	0.0026	-	-	-	-	-	E3FT2
3-07-010-55	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Reconstituted Wood Products Press: Methylene Diphenyl Diisocyanate (MDI) Resin	0.2	0.019	0.11	-	-	-	-	-	E3FT2
3-07-010-57	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Reconstituted Wood Products Press: Phenol Formaldehyde Resin (surface layers)/ Methylene Diphenyl Diisocyanate (MDI) Res	0.67	0.041	0.1	-	-	0.037	-	-	E3FT2
3-07-010-60	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Blender, PF Resin/MDI Resin	0.16	-	-	-	-	-	-	-	E3FT2

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-010-62	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Sanding Operations	0.12	-	-	-	-	-	-	-	E3FT2
3-07-010-64	Industrial Processes Pulp and Paper and Wood Products Oriented Strandboard (OSB) Manufacture Storage Bins: Trimming and Dryer Exhaust Cyclone Dust	0.06	-	-	-	-	-	-	-	E3FT2
3-07-014-10	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Pressurized Refiner/Primary Tube Dryer: Direct Wood-fired: Blowline Blend: Phenol Formaldehyde Resin: Hardwood	1.1	-	0.085	-	-	-	-	-	TON
3-07-014-15	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Pressurized Refiner/Primary Tube Dryer: Natural Gas-fired: Blowline Blend: Phenol Formaldehyde Resin: Hardwood	5	0.44	0.067	-	-	-	-	-	TON
3-07-014-16	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Board dryer,direct NG-fired,softwood, linseed oil binder(heated zones)	-	-	0.49	-	-	-	-	-	E3FT2
3-07-014-20	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Tempering oven, direct natural gas-fired, hardwood	0.61	-	0.11	-	-	-	-	-	E3FT2
3-07-014-25	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Tube dryer, second stage, indirect heated, hardwood	0.27	-	0.076	-	-	-	-	-	TON
3-07-014-30	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Humidification kiln, indirect heated	0.76	0.0028	0.16	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-014-40	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Hot press, PF resin	0.52	-	-	-	-	-	-	-	E3FT2
3-07-014-42	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Hot press, linseed oil binder	0.71	-	-	-	-	-	-	-	E3FT2
3-07-014-82	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Log chipper, hardwood	0.005	-	-	-	-	-	-	-	TON
3-07-014-84	Industrial Processes Pulp and Paper and Wood Products Hardboard (HB) Manufacture Pressurized digester/refiner, hardwood	0.49	-	-	-	-	-	-	-	TON
3-07-015-10	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Board dryer, indirect heated, softwood, starch binder (heated zones)	0.082	-	0.092	-	-	-	-	-	E3FT2
3-07-015-12	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Board dryer,indirect htd, softwood, 6-12% asphalt binder(heated zones)	0.14	-	0.029	-	-	-	-	-	E3FT2
3-07-015-30	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Atmospheric Refiner: Softwood	0.96	-	-	-	-	-	-	-	TON
3-07-015-40	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Fiber Washer: Softwood	0.23	-	-	-	-	-	-	-	TON
3-07-015-50	Industrial Processes Pulp and Paper and Wood Products Fiberboard (FB) Manufacture Former, vacuum system, wet, 6-12% asphalt	0.17	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-016-01	Industrial Processes Pulp and Paper and Wood Products Engineered Wood Products Laminated Veneer Lumber (LVL) Manufacture: Hardwood Veneer Dryer: Indirect-heated: Heated Zones	0.016	-	-	-	-	-	-	-	E3FT2
3-07-016-02	Industrial Processes Pulp and Paper and Wood Products Engineered Wood Products Laminated Veneer Lumber (LVL) Manufacture: Hardwood Veneer Dryer: Indirect-heated: Cooling Section	0.26	-	-	-	-	-	-	-	E3FT2
3-07-016-12	Industrial Processes Pulp and Paper and Wood Products Engineered Wood Products Laminated Veneer Lumber (LVL) Manufacture: Press: Phenol Formaldehyde Resin	10.4	-	-	-	-	-	-	-	E3FT3
3-07-016-20	Industrial Processes Pulp and Paper and Wood Products Laminated Veneer Lumber Manufacture LVL, I-Beam Saw	0.11	-	-	-	-	-	-	-	E3FT
3-07-016-30	Industrial Processes Pulp and Paper and Wood Products Laminated Veneer Lumber Manufacture I-Joist manufacture: I-Joist, curing chamber	0.0035	-	-	-	-	-	-	-	E3FT
3-07-016-40	Industrial Processes Pulp and Paper and Wood Products Laminated Strand Lumber Manufacture LSL, rotary, direct wood-fired, hardwood	0.29	0.47	1.3	-	-	-	-	-	TON
3-07-016-41	Industrial Processes Pulp and Paper and Wood Products Laminated Strand Lumber Manufacture LSL, conveyor, indirect heated, hardwood	-	2.3	-	-	-	-	-	-	TON
3-07-016-50	Industrial Processes Pulp and Paper and Wood Products Laminated Strand Lumber Manufacture LSL, press, MDI resin	-	-	0.7	-	-	-	-	-	E3FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-07-900-01	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-07-900-02	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-07-900-03	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-07-900-11	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-07-900-12	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-07-900-13	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-07-900-23	Industrial Processes Pulp and Paper and Wood Products Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-08-001-01	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Undertread and Sidewall Cementing	230	-	-	-	-	-	-	-	E3EACH
3-08-001-02	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Bead Dipping	13.3	-	-	-	-	-	-	-	E3EACH
3-08-001-03	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Bead Swabbing	18.3	-	-	-	-	-	-	-	E3EACH
3-08-001-04	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Tire Building	72.6	-	-	-	-	-	-	-	E3EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-08-001-05	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Tread End Cementing	33.2	-	-	-	-	-	-	-	E3EACH
3-08-001-06	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Green Tire Spraying	302	-	-	-	-	-	-	-	E3EACH
3-08-001-07	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Tire Curing	4.4	-	-	-	-	-	-	-	E3EACH
3-08-001-08	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Solvent Mixing	10.8	-	-	-	-	-	-	-	TON
3-08-001-20	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Undertread and Sidewall Cementing	1800	-	-	-	-	-	-	-	TON
3-08-001-21	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Tread End Cementing	1800	-	-	-	-	-	-	-	TON
3-08-001-22	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Bead Dipping	1800	-	-	-	-	-	-	-	TON
3-08-001-23	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Manufacture Green Tire Spraying	1840	-	-	-	-	-	-	-	TON
3-08-005-01	Industrial Processes Rubber and Miscellaneous Plastics Products Tire Retreading Tire Buffing Machines	600	-	-	-	-	-	-	-	E3EACH
3-08-007-01	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Plastics Machining: Drilling/Sanding/Sawing/etc.	13	-	-	-	-	-	-	-	TON
3-08-007-03	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Solvent Consumption	649	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-08-007-04	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Adhesive Consumption	649	-	-	-	-	-	-	-	TON
3-08-007-21	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Gel Coat: Manual Application	940	-	-	-	-	-	-	-	TON
3-08-007-22	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Gel Coat: Atomized Spray	600	-	-	-	-	-	-	-	TON
3-08-007-23	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Mechanical Resin Applic: Non-atomized spray(incl pressure fed rollers)	500	-	-	-	-	-	-	-	TON
3-08-007-24	Industrial Processes Rubber and Miscellaneous Plastics Products Fiberglass Resin Products Resin: General: Spray On (use 3-08-007-30 or -31)	220	-	-	-	-	-	-	-	TON
3-08-009-01	Industrial Processes Rubber and Miscellaneous Plastics Products Plastic Miscellaneous Products Polystyrene: General	49.8	-	-	-	-	-	-	-	TON
3-08-900-01	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-08-900-02	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-08-900-03	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-08-900-11	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-08-900-12	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-08-900-13	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-08-900-23	Industrial Processes Rubber and Miscellaneous Plastics Products Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-09-002-02	Industrial Processes Fabricated Metal Products Abrasive Blasting of Metal Parts Sand Abrasive	-	-	-	26	2.6	-	-	-	TON
3-09-010-01	Industrial Processes Fabricated Metal Products Electroplating Operations Entire Process: General	0.026	0.009	-	-	-	-	-	-	FT2
3-09-010-28	Industrial Processes Fabricated Metal Products Electroplating Operations Decorative Chromium - Electroplating Tank	-	-	-	0.069	-	-	-	-	AMP-HR
3-09-010-38	Industrial Processes Fabricated Metal Products Electroplating Operations Chromic Acid Anodizing - Anodizing Tank	-	-	-	4.2	-	-	-	-	E3FT2
3-09-011-01	Industrial Processes Fabricated Metal Products Conversion Coating of Metal Products Alkaline Cleaning Bath	-	0.3	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-09-011-02	Industrial Processes Fabricated Metal Products Conversion Coating of Metal Products Acid Cleaning Bath (Pickling)	-	13	-	-	-	-	-	-	TON
3-09-011-03	Industrial Processes Fabricated Metal Products Conversion Coating of Metal Products Anodizing Kettle	-	0.2	-	-	-	-	-	-	TON
3-09-011-04	Industrial Processes Fabricated Metal Products Conversion Coating of Metal Products Rinsing/Finishing	100	8	-	-	-	-	-	-	TON
3-09-015-01	Industrial Processes Fabricated Metal Products Chemical Milling of Metal Products Milling Tank	-	160	-	-	-	-	-	-	TON
3-09-016-01	Industrial Processes Fabricated Metal Products Metal Pipe Coating of Metal Parts Asphalt Dipping	1000	-	-	-	-	-	-	-	TON
3-09-016-05	Industrial Processes Fabricated Metal Products Metal Pipe Coating of Metal Parts Asphalt Dipping	23.3	-	-	-	-	-	-	-	E3FT2
3-09-016-06	Industrial Processes Fabricated Metal Products Metal Pipe Coating of Metal Parts Pipe Spinning	23.3	-	-	-	-	-	-	-	E3FT2
3-09-016-07	Industrial Processes Fabricated Metal Products Metal Pipe Coating of Metal Parts Pipe Wrapping	23.3	-	-	-	-	-	-	-	E3FT2
3-09-025-01	Industrial Processes Fabricated Metal Products Drum Cleaning/Reclamation Drum Burning Furnace	-	0.002	-	-	-	-	-	-	EACH
3-09-040-01	Industrial Processes Fabricated Metal Products Metal Deposition Processes Metallizing: Wire Atomization and Spraying	-	-	-	-	-	-	-	0.5	TON
3-09-051-16	Industrial Processes Fabricated Metal Products Shielded Metal Arc Welding (SMAW) E310 Electrode	-	-	-	-	-	-	-	0.024	E3LB

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-09-051-52	Industrial Processes Fabricated Metal Products Shielded Metal Arc Welding (SMAW) E7028 Electrode	-	-	-	-	-	-	-	0.162	E3LB
3-09-900-01	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-09-900-02	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-09-900-03	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-09-900-11	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-09-900-12	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-09-900-13	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-09-900-23	Industrial Processes Fabricated Metal Products Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-10-001-01	Industrial Processes Oil and Gas Production Crude Oil Production Well Completion	396	-	-	-	-	-	-	-	EACH
3-10-001-02	Industrial Processes Oil and Gas Production Crude Oil Production Miscellaneous Well: General	280	-	-	-	-	-	-	-	EACH
3-10-001-03	Industrial Processes Oil and Gas Production Crude Oil Production Wells: Rod Pumps	456	-	-	-	-	-	-	-	EACH
3-10-001-04	Industrial Processes Oil and Gas Production Crude Oil Production Crude Oil Sumps	9	-	-	-	-	-	-	-	FT2

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-10-001-05	Industrial Processes Oil and Gas Production Crude Oil Production Crude Oil Pits	9	-	-	-	-	-	-	-	FT2
3-10-002-03	Industrial Processes Oil and Gas Production Natural Gas Production Compressors (See also 310003-12 and -13)	6	-	-	-	-	-	-	-	E6FT3
3-10-002-04	Industrial Processes Oil and Gas Production Natural Gas Production Wells	35.3	-	-	-	-	-	-	-	E6FT3
3-10-002-05	Industrial Processes Oil and Gas Production Natural Gas Production Flares	5.6	-	-	-	-	-	-	-	E6FT3
3-10-002-06	Industrial Processes Oil and Gas Production Natural Gas Production Gas Lift	6	-	-	-	-	-	-	-	E6FT3
3-10-004-01	Industrial Processes Oil and Gas Production Process Heaters Distillate Oil (No. 2)	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
3-10-004-02	Industrial Processes Oil and Gas Production Process Heaters Residual Oil	0.28	55	5	-	-	1.586E2*S	-	0.00224	E3GAL
3-10-004-03	Industrial Processes Oil and Gas Production Process Heaters Crude Oil	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
3-10-004-04	Industrial Processes Oil and Gas Production Process Heaters Natural Gas	2.8	140	35	-	-	0.6	-	-	E6FT3
3-10-004-05	Industrial Processes Oil and Gas Production Process Heaters Process Gas	2.8	140	35	-	-	9.5E2*S	-	-	E6FT3
3-10-004-11	Industrial Processes Oil and Gas Production Process Heaters Distillate Oil (No. 2): Steam Generators	0.2	20	5	-	-	1.436E2*S	-	-	E3GAL
3-10-004-12	Industrial Processes Oil and Gas Production Process Heaters Residual Oil: Steam Generators	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-10-004-13	Industrial Processes Oil and Gas Production Process Heaters Crude Oil: Steam Generators	0.28	55	5	-	-	1.586E2*S	-	-	E3GAL
3-10-004-14	Industrial Processes Oil and Gas Production Process Heaters Natural Gas: Steam Generators	2.8	140	35	-	-	0.6	-	-	E6FT3
3-10-004-15	Industrial Processes Oil and Gas Production Process Heaters Process Gas: Steam Generators	2.8	140	35	-	-	-	-	-	E6FT3
3-13-070-01	Industrial Processes Electrical Equipment Electrical Windings Reclamation Single Chamber Incinerator/Oven	950	-	-	-	-	2.5	-	-	TON
3-13-070-02	Industrial Processes Electrical Equipment Electrical Windings Reclamation Multiple Chamber Incinerator/Oven	190	0.1	-	-	-	2.5	-	-	TON
3-13-900-01	Industrial Processes Electrical Equipment Process Heaters Distillate Oil (No. 2)	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL
3-13-900-02	Industrial Processes Electrical Equipment Process Heaters Residual Oil	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-13-900-03	Industrial Processes Electrical Equipment Process Heaters Natural Gas	2.8	140	-	-	-	0.6	-	-	E6FT3
3-14-010-01	Industrial Processes Transportation Equipment Brake Shoe Debonding Single Chamber Incinerator	950	-	-	-	-	2.5	-	-	TON
3-14-010-02	Industrial Processes Transportation Equipment Brake Shoe Debonding Multiple Chamber Incinerator	190	-	-	-	-	2.5	-	-	TON
3-15-010-02	Industrial Processes Photo Equip/Health Care/Labs/Air Condit/SwimPools Photocopying Equipment Manufacturing Toner Classification	630	-	-	-	-	-	-	-	E3LB

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-15-020-01	Industrial Processes Photo Equip/Health Care/Labs/Air Condit/SwimPools Health Care Sterilization with Ethylene Oxide	2000	-	-	-	-	-	-	-	TON
3-15-021-01	Industrial Processes Photo Equip/Health Care/Labs/Air Condit/SwimPools Health Care - Crematoriums Crematory Stack	-	-	-	-	-	-	-	0.0000662	EACH
3-20-999-98	Industrial Processes Leather and Leather Products Other Not Classified Other Not Classified	19	-	-	-	-	-	-	-	GAL
3-30-001-02	Industrial Processes Textile Products Miscellaneous Printing	284	-	-	-	-	-	-	-	TON
3-30-001-04	Industrial Processes Textile Products Miscellaneous Tenter Frames: Heat Setting	0.47	-	-	-	-	-	-	-	TON
3-30-002-11	Industrial Processes Textile Products Rubberized Fabrics Impregnation	120	-	-	-	-	-	-	-	TON
3-30-002-12	Industrial Processes Textile Products Rubberized Fabrics Wet Coating	1200	-	-	-	-	-	-	-	TON
3-30-002-13	Industrial Processes Textile Products Rubberized Fabrics Hot Melt Coating	120	-	-	-	-	-	-	-	TON
3-30-002-14	Industrial Processes Textile Products Rubberized Fabrics Wet Coating Mixing	120	-	-	-	-	-	-	-	TON
3-30-002-97	Industrial Processes Textile Products Rubberized Fabrics Other Not Classified	2000	-	-	-	-	-	-	-	TON
3-60-001-01	Industrial Processes Printing/Publishing Scrap Processes Typesetting (Lead Remelting): Remelting (Lead Emissions Only)	-	-	-	-	-	-	-	0.25	TON
3-85-001-02	Industrial Processes Cooling Tower Process Cooling Natural Draft	0.03	-	-	-	-	-	-	-	E6GAL
3-90-001-89	Industrial Processes In-process Fuel Use Anthracite Coal General	0.07	18	0.6	-	-	3.9E1*S	-	0.0133	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-90-002-88	Industrial Processes In-process Fuel Use Bituminous Coal General (Subbituminous)	0.07	34	0.6	-	-	3.9E1*S	-	-	TON
3-90-002-89	Industrial Processes In-process Fuel Use Bituminous Coal General (Bituminous)	0.07	34	0.6	-	-	3.9E1*S	-	0.0133	TON
3-90-003-89	Industrial Processes In-process Fuel Use Lignite General	0.07	14	0.6	-	-	3E1*S	-	-	TON
3-90-004-03	Industrial Processes In-process Fuel Use Residual Oil Lime Kiln	-	-	-	-	-	7.95E1*S	-	-	E3GAL
3-90-004-89	Industrial Processes In-process Fuel Use Residual Oil General	0.28	55	5	-	-	1.586E2*S	-	0.0042	E3GAL
3-90-005-02	Industrial Processes In-process Fuel Use Distillate Oil Cement Kiln/Dryer	-	-	-	-	-	9.8E1*S	-	-	E3GAL
3-90-005-03	Industrial Processes In-process Fuel Use Distillate Oil Lime Kiln	-	-	-	-	-	7.2E1*S	-	-	E3GAL
3-90-005-88	Industrial Processes In-process Fuel Use Distillate Oil PROCESS FUEL: #4 OIL	0.298	20	5	-	-	152*S	-	0.0004	E3GAL
3-90-005-89	Industrial Processes In-process Fuel Use Distillate Oil General	0.2	20	5	-	-	1.436E2*S	-	0.0012	E3GAL
3-90-006-89	Industrial Processes In-process Fuel Use Natural Gas General	5.94	100	84	-	-	0.6	-	0.0005	E6FT3
3-90-008-89	Industrial Processes In-process Fuel Use Coke General	0.0623	14	0.6	-	-	38*S	-	-	TON
3-90-009-89	Industrial Processes In-process Fuel Use Wood General	1.4	0.68	4	-	-	0.15	-	-	TON
3-90-010-89	Industrial Processes In-process Fuel Use Liquified Petroleum Gas General	0.5	14	1.9	-	-	0.02*S	-	-	E3GAL
3-90-013-89	Industrial Processes In-process Fuel Use Liquid Waste General	1	20	5	-	-	147*S	-	1.68	E3GAL
3-99-900-01	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Distillate Oil (No. 2): Process Heaters	0.2	20	-	-	-	1.436E2*S	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-99-900-02	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Residual Oil: Process Heaters	0.28	55	-	-	-	1.586E2*S	-	-	E3GAL
3-99-900-03	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Natural Gas: Process Heaters	2.8	140	-	-	-	0.6	-	-	E6FT3
3-99-900-04	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Process Gas: Process Heaters	2.8	140	-	-	-	9.5E2*S	-	-	E6FT3
3-99-900-11	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Distillate Oil (No. 2): Incinerators	0.4	-	-	-	-	-	-	-	E3GAL
3-99-900-12	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Residual Oil: Incinerators	0.56	-	-	-	-	-	-	-	E3GAL
3-99-900-13	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Natural Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-99-900-14	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Process Gas: Incinerators	5.6	-	-	-	-	-	-	-	E6FT3
3-99-900-23	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
3-99-900-24	Industrial Processes Miscellaneous Manufacturing Industries Miscellaneous Manufacturing Industries Process Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
4-01-001-01	Chemical Evaporation Organic Solvent Evaporation Dry Cleaning Perchloroethylene	550	-	-	-	-	-	-	-	TON
4-01-001-02	Chemical Evaporation Organic Solvent Evaporation Dry Cleaning Stoddard (Petroleum Solvent) (Use 4-10-001-01 or 4-10-002-01)	560	-	-	-	-	-	-	-	TON
4-01-001-03	Petroleum and Solvent Evaporation Organic Solvent Evaporation Dry Cleaning Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-001-04	Chemical Evaporation Organic Solvent Evaporation Dry Cleaning Stoddard (Petroleum Solvent) (Use 4-10-001-02 or 4-10-002-02)	2000	-	-	-	-	-	-	-	TON
4-01-001-05	Chemical Evaporation Organic Solvent Evaporation Dry Cleaning Trichlorotrifluoroethane (Freon)	2000	-	-	-	-	-	-	-	TON
4-01-002-01	Chemical Evaporation Organic Solvent Evaporation Degreasing Stoddard (Petroleum Solvent): Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-03	Chemical Evaporation Organic Solvent Evaporation Degreasing Perchloroethylene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-04	Chemical Evaporation Organic Solvent Evaporation Degreasing Methylene Chloride: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-05	Chemical Evaporation Organic Solvent Evaporation Degreasing Trichloroethylene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-01-002-06	Chemical Evaporation Organic Solvent Evaporation Degreasing Toluene: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-08	Chemical Evaporation Organic Solvent Evaporation Degreasing Chlorosolve: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-09	Chemical Evaporation Organic Solvent Evaporation Degreasing Butyl Acetate: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-15	Chemical Evaporation Organic Solvent Evaporation Degreasing Entire Unit: Open-top Vapor Degreasing	21000	-	-	-	-	-	-	-	TON
4-01-002-16	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing Degreaser: Entire Unit	150	-	-	-	-	-	-	-	E3FT2
4-01-002-17	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing Entire Unit	0.15	-	-	-	-	-	-	-	FT2
4-01-002-21	Chemical Evaporation Organic Solvent Evaporation Degreasing Stoddard (Petroleum Solvent): Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-22	Chemical Evaporation Organic Solvent Evaporation Degreasing 1,1,1-Trichloroethane (Methyl Chloroform):Conveyorized Vapor Degreaser	1030	-	-	-	-	-	-	-	TON
4-01-002-23	Chemical Evaporation Organic Solvent Evaporation Degreasing Perchloroethylene: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-24	Chemical Evaporation Organic Solvent Evaporation Degreasing Methylene Chloride: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-01-002-25	Chemical Evaporation Organic Solvent Evaporation Degreasing Trichloroethylene: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-27	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing CONV VAPOR DEG: FREON 113	2000	-	-	-	-	-	-	-	TON
4-01-002-35	Chemical Evaporation Organic Solvent Evaporation Degreasing Entire Unit: with Vaporized Solvent: Conveyorized Vapor Degreasing	52000	-	-	-	-	-	-	-	EACH
4-01-002-36	Chemical Evaporation Organic Solvent Evaporation Degreasing Entire Unit: with Non-boiling Solvent: Conveyorized Vapor Degreasing	104000	-	-	-	-	-	-	-	EACH
4-01-002-52	Chemical Evaporation Organic Solvent Evaporation Degreasing 1,1,1-Trichloroethane (Methyl Chloroform): General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-54	Chemical Evaporation Organic Solvent Evaporation Degreasing Methylene Chloride: General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-57	Chemical Evaporation Organic Solvent Evaporation Degreasing Trichlorotrifluoroethane (Freon): General Degreasing Units	2000	-	-	-	-	-	-	-	TON
4-01-002-95	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: General Degreasing Units	2000	-	-	-	-	-	-	-	GAL
4-01-002-96	Chemical Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: General Degreasing Units	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-01-002-97	Petroleum and Solvent Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-98	Chemical Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: Conveyorized Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-002-99	Chemical Evaporation Organic Solvent Evaporation Degreasing Other Not Classified: Open-top Vapor Degreasing	2000	-	-	-	-	-	-	-	TON
4-01-003-01	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Methanol	2000	-	-	-	-	-	-	-	TON
4-01-003-02	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Methylene Chloride	2000	-	-	-	-	-	-	-	TON
4-01-003-03	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Stoddard (Petroleum Solvent)	2000	-	-	-	-	-	-	-	TON
4-01-003-04	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-003-05	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping 1,1,1-Trichloroethane (Methyl Chloroform)	2000	-	-	-	-	-	-	-	TON
4-01-003-06	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-003-07	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Isopropyl Alcohol	2000	-	-	-	-	-	-	-	TON

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SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-01-003-08	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON
4-01-003-09	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Freon	2000	-	-	-	-	-	-	-	TON
4-01-003-10	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Acetone	2000	-	-	-	-	-	-	-	TON
4-01-003-35	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Entire Unit	660	-	-	-	-	-	-	-	EACH
4-01-003-36	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Degreaser: Entire Unit	80	-	-	-	-	-	-	-	E3FT2
4-01-003-99	Chemical Evaporation Organic Solvent Evaporation Cold Solvent Cleaning/Stripping Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-01-004-01	Chemical Evaporation Organic Solvent Evaporation Knit Fabric Scouring with Chlorinated Solvent Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-01-004-99	Chemical Evaporation Organic Solvent Evaporation Knit Fabric Scouring with Chlorinated Solvent Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-001-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Paint: Solvent-base	1120	-	-	-	-	-	-	-	TON
4-02-001-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Paint: Solvent-base	5.6	-	-	-	-	-	-	-	GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-002-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Paint: Water-base	246	-	-	-	-	-	-	-	TON
4-02-002-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Paint: Water-base	1.3	-	-	-	-	-	-	-	GAL
4-02-003-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Varnish/Shellac	1000	-	-	-	-	-	-	-	TON
4-02-003-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Varnish/Shellac	3.3	-	-	-	-	-	-	-	GAL
4-02-004-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Lacquer	1540	-	-	-	-	-	-	-	TON
4-02-004-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Lacquer	6.1	-	-	-	-	-	-	-	GAL
4-02-005-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Enamel	840	-	-	-	-	-	-	-	TON
4-02-005-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Enamel	3.5	-	-	-	-	-	-	-	GAL
4-02-006-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Primer	1320	-	-	-	-	-	-	-	TON
4-02-006-10	Petroleum and Solvent Evaporation Surface Coating Operations Surface Coating Application - General Primer	6.6	-	-	-	-	-	-	-	GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-007-01	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Adhesive Application	1270	-	-	-	-	-	-	-	TON
4-02-007-06	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Adhesive: Solvent Mixing	200	-	-	-	-	-	-	-	TON
4-02-007-10	Chemical Evaporation Surface Coating Operations Surface Coating Application - General Adhesive: General	4.4	-	-	-	-	-	-	-	GAL
4-02-008-01	Chemical Evaporation Surface Coating Operations Coating Oven - General General	800	54	-	-	-	5	-	-	TON
4-02-009-01	Chemical Evaporation Surface Coating Operations Thinning Solvents - General General	2000	-	-	-	-	-	-	-	TON
4-02-009-02	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Acetone	2000	-	-	-	-	-	-	-	TON
4-02-009-03	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Butyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-04	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Butyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-05	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Carbitol	2000	-	-	-	-	-	-	-	TON
4-02-009-06	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Cellosolve	2000	-	-	-	-	-	-	-	TON
4-02-009-07	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Cellosolve Acetate	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-009-08	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Dimethyl Formamide	2000	-	-	-	-	-	-	-	TON
4-02-009-09	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Ethyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-10	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Ethyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-11	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Gasoline	2000	-	-	-	-	-	-	-	TON
4-02-009-12	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Isopropyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-13	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Isopropyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-14	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Kerosene	2000	-	-	-	-	-	-	-	TON
4-02-009-15	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Lactol Spirits	2000	-	-	-	-	-	-	-	TON
4-02-009-16	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methyl Acetate	2000	-	-	-	-	-	-	-	TON
4-02-009-17	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-02-009-18	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-009-19	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-02-009-20	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Mineral Spirits	2000	-	-	-	-	-	-	-	TON
4-02-009-21	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Naphtha	2000	-	-	-	-	-	-	-	TON
4-02-009-22	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Toluene	2000	-	-	-	-	-	-	-	TON
4-02-009-23	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Varsol	2000	-	-	-	-	-	-	-	TON
4-02-009-24	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Xylene	2000	-	-	-	-	-	-	-	TON
4-02-009-25	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Benzene	2000	-	-	-	-	-	-	-	TON
4-02-009-26	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Turpentine	2000	-	-	-	-	-	-	-	TON
4-02-009-27	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Hexylene Glycol	2000	-	-	-	-	-	-	-	TON
4-02-009-28	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Ethylene Oxide	2000	-	-	-	-	-	-	-	TON
4-02-009-29	Chemical Evaporation Surface Coating Operations Thinning Solvents - General 1,1,1-Trichloroethane (Methyl Chloroform)	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-009-30	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Methylene Chloride	2000	-	-	-	-	-	-	-	TON
4-02-009-31	Chemical Evaporation Surface Coating Operations Thinning Solvents - General Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-02-009-98	Petroleum and Solvent Evaporation Surface Coating Operations Thinning Solvents - General General: Specify in Comments	2000	-	-	-	-	-	-	-	GAL
4-02-010-01	Chemical Evaporation Surface Coating Operations Coating Oven Heater Natural Gas	-	-	-	-	-	0.6	-	-	E6FT3
4-02-010-02	Chemical Evaporation Surface Coating Operations Coating Oven Heater Distillate Oil	-	-	-	-	-	1.4365E2*S	-	-	E3GAL
4-02-010-03	Chemical Evaporation Surface Coating Operations Coating Oven Heater Residual Oil	-	-	-	-	-	1.586E2*S	-	-	E3GAL
4-02-010-04	Chemical Evaporation Surface Coating Operations Coating Oven Heater Liquified Petroleum Gas (LPG)	-	-	-	-	-	9.0E-2*S	-	-	E3GAL
4-02-011-01	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Coating Operation (Also See Specific Coating Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON
4-02-011-03	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Coating Mixing (Also See Specific Coating Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON
4-02-011-05	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Equipment Cleanup:Fabric Coating(Also Spec Coat Method Codes 4-02-04X)	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-011-11	Petroleum and Solvent Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Roller (Also See New Codes Under 4-02-040-XX)	284	-	-	-	-	-	-	-	TON
4-02-011-12	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Roller (Also See New Codes Under 4-02-040-XX)	278000	-	-	-	-	-	-	-	EACH
4-02-011-13	Petroleum and Solvent Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Rotary Screen (Also See New Codes Under 4-02-040-XX)	46	-	-	-	-	-	-	-	TON
4-02-011-14	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Rotary Screen (Also See New Codes Under 4-02-040-XX)	62000	-	-	-	-	-	-	-	EACH
4-02-011-15	Petroleum and Solvent Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Flat Screen (Also See New Codes Under 4-02-040-XX)	158	-	-	-	-	-	-	-	TON
4-02-011-16	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Fabric Printing: Flat Screen (Also See New Codes Under 4-02-040-XX)	62000	-	-	-	-	-	-	-	EACH
4-02-011-99	Chemical Evaporation Surface Coating Operations Fabric Coating/Printing Other Not Classified (Also See New Codes Under 4-02-040-XX)	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-012-01	Chemical Evaporation Surface Coating Operations Fabric Dyeing Dye Application: General (Also See New Codes Under 4-02-060-XX)	2000	-	-	-	-	-	-	-	TON
4-02-013-01	Chemical Evaporation Surface Coating Operations Paper Coating Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-013-03	Chemical Evaporation Surface Coating Operations Paper Coating Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-013-05	Chemical Evaporation Surface Coating Operations Paper Coating Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-013-99	Chemical Evaporation Surface Coating Operations Paper Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-014-01	Chemical Evaporation Surface Coating Operations Large Appliances Prime Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-014-03	Chemical Evaporation Surface Coating Operations Large Appliances Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-014-05	Chemical Evaporation Surface Coating Operations Large Appliances Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-014-06	Chemical Evaporation Surface Coating Operations Large Appliances Topcoat Spray	2000	-	-	-	-	-	-	-	TON
4-02-014-31	Chemical Evaporation Surface Coating Operations Large Appliances Coating Line: General	0.9	-	-	-	-	-	-	-	EACH
4-02-014-32	Chemical Evaporation Surface Coating Operations Large Appliances Prime Air Spray	3.1	-	-	-	-	-	-	-	E3FT2
4-02-014-33	Chemical Evaporation Surface Coating Operations Large Appliances Prime Electrostatic Spray	1.79	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-014-34	Chemical Evaporation Surface Coating Operations Large Appliances Prime Flow Coat	1.65	-	-	-	-	-	-	-	E3FT2
4-02-014-35	Chemical Evaporation Surface Coating Operations Large Appliances Prime Dip Coat	1.65	-	-	-	-	-	-	-	E3FT2
4-02-014-36	Chemical Evaporation Surface Coating Operations Large Appliances Prime Electro-deposition	1.5	-	-	-	-	-	-	-	E3FT2
4-02-014-37	Chemical Evaporation Surface Coating Operations Large Appliances Top Air Spray	6.3	-	-	-	-	-	-	-	E3FT2
4-02-014-38	Chemical Evaporation Surface Coating Operations Large Appliances Top Electrostatic Spray	3.2	-	-	-	-	-	-	-	E3FT2
4-02-014-99	Chemical Evaporation Surface Coating Operations Large Appliances Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-015-01	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Coating/Application/Curing	2000	-	-	-	-	-	-	-	TON
4-02-015-02	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-015-03	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-015-05	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-015-31	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Coating Line: General	186000	-	-	-	-	-	-	-	EACH
4-02-015-99	Chemical Evaporation Surface Coating Operations Magnet Wire Surface Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-016-01	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Application/Electo-deposition/Dip/Spray	2000	-	-	-	-	-	-	-	TON
4-02-016-03	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-016-05	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-016-06	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat Operation	2000	-	-	-	-	-	-	-	TON
4-02-016-19	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Surfacing Operation	2000	-	-	-	-	-	-	-	TON
4-02-016-20	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Repair Topcoat Application Area	2000	-	-	-	-	-	-	-	TON
4-02-016-21	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Coating: Solvent-borne - Automobiles	14.5	-	-	-	-	-	-	-	EACH
4-02-016-22	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Coating: Electro-deposition - Automobiles	0.45	-	-	-	-	-	-	-	EACH
4-02-016-23	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Guide Coating: Solvent-borne - Automobiles	4.16	-	-	-	-	-	-	-	EACH
4-02-016-24	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Guide Coating: Water-borne - Automobiles	1.5	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-016-25	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat: Solvent-borne - Automobiles	27.3	-	-	-	-	-	-	-	EACH
4-02-016-26	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat: Water-borne - Automobiles	4.95	-	-	-	-	-	-	-	EACH
4-02-016-27	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Coating: Solvent-borne - Light Trucks	42.4	-	-	-	-	-	-	-	EACH
4-02-016-28	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Prime Coating: Electro-deposition - Light Trucks	0.58	-	-	-	-	-	-	-	EACH
4-02-016-29	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Guide Coating: Solvent-borne - Light Trucks	14	-	-	-	-	-	-	-	EACH
4-02-016-30	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Guide Coating: Water-borne - Light Trucks	5.06	-	-	-	-	-	-	-	EACH
4-02-016-31	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat: Solvent-borne - Light Trucks	40.3	-	-	-	-	-	-	-	EACH
4-02-016-32	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Topcoat: Water-borne - Light Trucks	15.5	-	-	-	-	-	-	-	EACH
4-02-016-99	Chemical Evaporation Surface Coating Operations Automobiles and Light Trucks Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-017-02	Chemical Evaporation Surface Coating Operations Metal Can Coating Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-017-03	Chemical Evaporation Surface Coating Operations Metal Can Coating Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-017-05	Chemical Evaporation Surface Coating Operations Metal Can Coating Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-017-21	Chemical Evaporation Surface Coating Operations Metal Can Coating Two Piece Exterior Base Coating	2000	-	-	-	-	-	-	-	TON
4-02-017-22	Chemical Evaporation Surface Coating Operations Metal Can Coating Interior Spray Coating	2000	-	-	-	-	-	-	-	TON
4-02-017-23	Chemical Evaporation Surface Coating Operations Metal Can Coating Sheet Base Coating (Interior)	2000	-	-	-	-	-	-	-	TON
4-02-017-24	Chemical Evaporation Surface Coating Operations Metal Can Coating Sheet Base Coating (Exterior)	2000	-	-	-	-	-	-	-	TON
4-02-017-25	Chemical Evaporation Surface Coating Operations Metal Can Coating Side Seam Spray Coating	2000	-	-	-	-	-	-	-	TON
4-02-017-26	Chemical Evaporation Surface Coating Operations Metal Can Coating End Sealing Compound (Also See 4-02-017-36 & -37)	2000	-	-	-	-	-	-	-	TON
4-02-017-27	Chemical Evaporation Surface Coating Operations Metal Can Coating Lithography	2000	-	-	-	-	-	-	-	TON
4-02-017-28	Chemical Evaporation Surface Coating Operations Metal Can Coating Over Varnish	2000	-	-	-	-	-	-	-	TON
4-02-017-31	Chemical Evaporation Surface Coating Operations Metal Can Coating Three-piece Can Sheet Base Coating	352000	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-017-32	Chemical Evaporation Surface Coating Operations Metal Can Coating Three-piece Can Sheet Lithographic Coating Line	110000	-	-	-	-	-	-	-	EACH
4-02-017-33	Chemical Evaporation Surface Coating Operations Metal Can Coating Three-piece Can-side Seam Spray Coating	40000	-	-	-	-	-	-	-	EACH
4-02-017-34	Chemical Evaporation Surface Coating Operations Metal Can Coating Three-piece Can Interior Body Spray Coat	176000	-	-	-	-	-	-	-	EACH
4-02-017-35	Chemical Evaporation Surface Coating Operations Metal Can Coating Two-piece Can Coating Line	574000	-	-	-	-	-	-	-	EACH
4-02-017-36	Chemical Evaporation Surface Coating Operations Metal Can Coating Two-piece Can End Sealing Compound	30000	-	-	-	-	-	-	-	EACH
4-02-017-99	Chemical Evaporation Surface Coating Operations Metal Can Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-018-01	Chemical Evaporation Surface Coating Operations Metal Coil Coating Prime Coating Application	2000	-	-	-	-	-	-	-	TON
4-02-018-03	Chemical Evaporation Surface Coating Operations Metal Coil Coating Solvent Mixing	2000	-	-	-	-	-	-	-	TON
4-02-018-05	Chemical Evaporation Surface Coating Operations Metal Coil Coating Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-018-06	Chemical Evaporation Surface Coating Operations Metal Coil Coating Finish Coating	2000	-	-	-	-	-	-	-	TON
4-02-018-99	Chemical Evaporation Surface Coating Operations Metal Coil Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-019-01	Chemical Evaporation Surface Coating Operations Wood Furniture Surface Coating Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-019-03	Chemical Evaporation Surface Coating Operations Wood Furniture Surface Coating Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-019-99	Chemical Evaporation Surface Coating Operations Wood Furniture Surface Coating Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-020-01	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-020-02	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-020-03	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-020-04	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Coating Storage	2000	-	-	-	-	-	-	-	TON
4-02-020-05	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-020-31	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Single Spray Line: General	22.9	-	-	-	-	-	-	-	E3FT2
4-02-020-32	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Spray Dip Line: General (Use 4-02-020-37)	15.3	-	-	-	-	-	-	-	E3FT2
4-02-020-33	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Spray High Solids Coating (Use 4-02-020-35)	6.8	-	-	-	-	-	-	-	E3FT2

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-020-34	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Spray Water-borne Coating (Use 4-02-020-36)	4.3	-	-	-	-	-	-	-	E3FT2
4-02-020-99	Chemical Evaporation Surface Coating Operations Metal Furniture Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-021-01	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Base Coat	2000	-	-	-	-	-	-	-	TON
4-02-021-03	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-021-05	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-021-06	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Topcoat	2000	-	-	-	-	-	-	-	TON
4-02-021-07	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Filler	2000	-	-	-	-	-	-	-	TON
4-02-021-08	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Sealer	2000	-	-	-	-	-	-	-	TON
4-02-021-09	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Inks	2000	-	-	-	-	-	-	-	TON
4-02-021-31	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Water-borne Coating	2.5	-	-	-	-	-	-	-	E3FT2
4-02-021-32	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Solvent-borne Coating	16.5	-	-	-	-	-	-	-	E3FT2

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-021-33	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Ultraviolet Coating	0.8	-	-	-	-	-	-	-	E3FT2
4-02-021-99	Chemical Evaporation Surface Coating Operations Flatwood: Wood Building Products Other Not Elsewhere Classified	2000	-	-	-	-	-	-	-	TON
4-02-022-01	Chemical Evaporation Surface Coating Operations Plastic Parts Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-022-02	Chemical Evaporation Surface Coating Operations Plastic Parts Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-022-03	Chemical Evaporation Surface Coating Operations Plastic Parts Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-022-05	Chemical Evaporation Surface Coating Operations Plastic Parts Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-022-99	Chemical Evaporation Surface Coating Operations Plastic Parts Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-023-01	Chemical Evaporation Surface Coating Operations Large Ships Prime Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-023-02	Chemical Evaporation Surface Coating Operations Large Ships Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-023-03	Chemical Evaporation Surface Coating Operations Large Ships Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-023-05	Chemical Evaporation Surface Coating Operations Large Ships Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-023-06	Chemical Evaporation Surface Coating Operations Large Ships Topcoat Operation	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-023-99	Chemical Evaporation Surface Coating Operations Large Ships Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-024-02	Chemical Evaporation Surface Coating Operations Aerospace Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-025-01	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Coating Operation	2000	-	-	-	-	-	-	-	TON
4-02-025-02	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Cleaning/Pretreatment	2000	-	-	-	-	-	-	-	TON
4-02-025-03	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Coating Mixing	2000	-	-	-	-	-	-	-	TON
4-02-025-05	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Equipment Cleanup	2000	-	-	-	-	-	-	-	TON
4-02-025-31	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Single Flow	15.3	-	-	-	-	-	-	-	E3FT2
4-02-025-32	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Single Dip	15.3	-	-	-	-	-	-	-	E3FT2
4-02-025-33	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Single Spray	27.5	-	-	-	-	-	-	-	E3FT2
4-02-025-34	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Two Coat, Flow and Spray	42.8	-	-	-	-	-	-	-	E3FT2
4-02-025-35	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Two Coat, Dip and Spray	42.8	-	-	-	-	-	-	-	E3FT2

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SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-02-025-36	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Conveyor Two Coat, Spray	55	-	-	-	-	-	-	-	E3FT2
4-02-025-37	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Manual Two Coat, Spray and Air Dry	54.8	-	-	-	-	-	-	-	E3FT2
4-02-025-99	Chemical Evaporation Surface Coating Operations Miscellaneous Metal Parts Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-02-026-01	Chemical Evaporation Surface Coating Operations Steel Drums Coating Operation	4.3	-	-	-	-	-	-	-	GAL
4-02-026-03	Chemical Evaporation Surface Coating Operations Steel Drums Coating Mixing	0.5	-	-	-	-	-	-	-	GAL
4-02-026-05	Chemical Evaporation Surface Coating Operations Steel Drums Equipment Cleanup	0.5	-	-	-	-	-	-	-	GAL
4-02-026-06	Chemical Evaporation Surface Coating Operations Steel Drums Interior Coating	2.2	-	-	-	-	-	-	-	GAL
4-02-026-07	Chemical Evaporation Surface Coating Operations Steel Drums Exterior Coating	2.2	-	-	-	-	-	-	-	GAL
4-02-900-23	Chemical Evaporation Surface Coating Operations Fuel Fired Equipment Natural Gas: Flares	5.6	-	-	-	-	-	-	-	E6FT3
4-02-999-96	Petroleum and Solvent Evaporation Surface Coating Operations Miscellaneous Specify in Comments Field	2000	-	-	-	-	-	-	-	TON
4-03-001-01	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Gasoline	30.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-001-02	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Crude	23.4	-	-	-	-	-	-	-	E3GAL
4-03-001-03	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Gasoline	16.5	-	-	-	-	-	-	-	E3GAL
4-03-001-04	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Crude	2.47	-	-	-	-	-	-	-	E3GAL
4-03-001-05	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Jet Fuel	8.8	-	-	-	-	-	-	-	E3GAL
4-03-001-06	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Kerosene	0.45	-	-	-	-	-	-	-	E3GAL
4-03-001-07	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Dist Fuel	0.39	-	-	-	-	-	-	-	E3GAL
4-03-001-50	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Jet Fuel	2.5	-	-	-	-	-	-	-	E3GAL
4-03-001-51	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Kerosene	0.03	-	-	-	-	-	-	-	E3GAL
4-03-001-52	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-010 and 4-07) Dist Fuel	0.02	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-002-01	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Gasoline	13.4	-	-	-	-	-	-	-	E3GAL
4-03-002-03	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Crude	1.76	-	-	-	-	-	-	-	E3GAL
4-03-002-05	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Jet Fuel	3.5	-	-	-	-	-	-	-	E3GAL
4-03-002-07	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Dist Fuel	0.02	-	-	-	-	-	-	-	E3GAL
4-03-003-02	Petroleum and Solvent Evaporation Petroleum Product Storage at Refineries Deleted - Do Not Use (See 4-03-011 and 4-07) Gasoline	7.7	-	-	-	-	-	-	-	E3GAL
4-03-010-01	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 13: Breathing Loss: 67000 Bbl. Size	30.5	-	-	-	-	-	-	-	E3GAL
4-03-010-02	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 10: Breathing Loss: 67000 Bbl. Size	23.4	-	-	-	-	-	-	-	E3GAL
4-03-010-03	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 7: Breathing Loss: 67000 Bbl. Size	16.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-010-04	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 13: Breathing Loss: 250000 Bbl. Size	22	-	-	-	-	-	-	-	E3GAL
4-03-010-05	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 10: Breathing Loss: 250000 Bbl. Size	16.9	-	-	-	-	-	-	-	E3GAL
4-03-010-06	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 7: Breathing Loss: 250000 Bbl. Size	11.9	-	-	-	-	-	-	-	E3GAL
4-03-010-07	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 13: Working Loss	10	-	-	-	-	-	-	-	E3GAL
4-03-010-08	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 10: Working Loss	8.2	-	-	-	-	-	-	-	E3GAL
4-03-010-09	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Gasoline RVP 7: Working Loss	5.7	-	-	-	-	-	-	-	E3GAL
4-03-010-10	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Crude Oil RVP 5: Breathing Loss: 67000 Bbl. Size	6.5	-	-	-	-	-	-	-	E3GAL
4-03-010-11	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Crude Oil RVP 5: Breathing Loss: 250000 Bbl. Size	4.69	-	-	-	-	-	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-010-12	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Crude Oil RVP 5: Working Loss	2.8	-	-	-	-	-	-	-	E3GAL
4-03-010-13	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Naphtha (JP-4): Breathing Loss: 67000 Bbl. Size	8.8	-	-	-	-	-	-	-	E3GAL
4-03-010-14	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Naphtha (JP-4): Breathing Loss: 250000 Bbl. Size	6.3	-	-	-	-	-	-	-	E3GAL
4-03-010-15	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Naphtha (JP-4): Working Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-03-010-16	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Breathing Loss: 67000 Bbl. Size	0.44	-	-	-	-	-	-	-	E3GAL
4-03-010-17	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Breathing Loss: 250000 Bbl. Size	0.3	-	-	-	-	-	-	-	E3GAL
4-03-010-18	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Working Loss	0.03	-	-	-	-	-	-	-	E3GAL
4-03-010-19	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss: 67000 Bbl. Size	0.4	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-010-20	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss: 250000 Bbl. Size	0.29	-	-	-	-	-	-	-	E3GAL
4-03-010-21	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Working Loss	0.02	-	-	-	-	-	-	-	E3GAL
4-03-010-99	Chemical Evaporation Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes) Other Product: Working Loss	0.4	-	-	-	-	-	-	-	E3GAL
4-03-011-11	Chemical Evaporation Petroleum Product Storage at Refineries Floating Roof Tanks (Varying Sizes) Jet Naphtha (JP-4): Breathing Loss: 67000 Bbl. Size	3.5	-	-	-	-	-	-	-	E3GAL
4-03-011-13	Chemical Evaporation Petroleum Product Storage at Refineries Floating Roof Tanks (Varying Sizes) Jet Kerosene: Breathing Loss: 67000 Bbl. Size	0.04	-	-	-	-	-	-	-	E3GAL
4-03-011-15	Chemical Evaporation Petroleum Product Storage at Refineries Floating Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss: 67000 Bbl. Size	0.03	-	-	-	-	-	-	-	E3GAL
4-03-012-01	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Gasoline RVP 13: Filling Loss	9.6	-	-	-	-	-	-	-	E3GAL
4-03-012-02	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Gasoline RVP 10: Filling Loss	7.7	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-03-012-03	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Gasoline RVP 7: Filling Loss	5.4	-	-	-	-	-	-	-	E3GAL
4-03-012-04	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Jet Naphtha (JP-4): Filling Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-03-012-05	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Jet Kerosene: Filling Loss	0.025	-	-	-	-	-	-	-	E3GAL
4-03-012-06	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Distillate Fuel #2: Filling Loss	0.022	-	-	-	-	-	-	-	E3GAL
4-03-012-07	Chemical Evaporation Petroleum Product Storage at Refineries Variable Vapor Space Benzene: Filling Loss	2.1	-	-	-	-	-	-	-	E3GAL
4-04-001-01	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	30.5	-	-	-	-	-	-	-	E3GAL
4-04-001-02	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	23.4	-	-	-	-	-	-	-	E3GAL
4-04-001-03	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Breathing Loss (67000 Bbl. Capacity) - Fixed Roof Tank	16.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-001-04	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss (250000 Bbl Capacity)-Fixed Roof Tank	22	-	-	-	-	-	-	-	E3GAL
4-04-001-05	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss (250000 Bbl Capacity)-Fixed Roof Tank	16.9	-	-	-	-	-	-	-	E3GAL
4-04-001-06	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Breathing Loss (250000 Bbl Capacity) - Fixed Roof Tank	11.9	-	-	-	-	-	-	-	E3GAL
4-04-001-07	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Working Loss (Diam. Independent) - Fixed Roof Tank	10	-	-	-	-	-	-	-	E3GAL
4-04-001-08	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Working Loss (Diameter Independent) - Fixed Roof Tank	8.2	-	-	-	-	-	-	-	E3GAL
4-04-001-09	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Working Loss (Diameter Independent) - Fixed Roof Tank	5.7	-	-	-	-	-	-	-	E3GAL
4-04-001-10	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity)-Floating Roof Tank	18.2	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-001-11	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss (67000 Bbl Capacity)-Floating Roof Tank	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-12	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Breathing Loss (67000 Bbl Capacity)- Floating Roof Tank	8.6	-	-	-	-	-	-	-	E3GAL
4-04-001-13	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss (250000 Bbl Cap.) - Floating Roof Tank	8.9	-	-	-	-	-	-	-	E3GAL
4-04-001-14	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss (250000 Bbl Cap.) - Floating Roof Tank	6.5	-	-	-	-	-	-	-	E3GAL
4-04-001-15	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Breathing Loss (250000 Bbl Cap.) - Floating Roof Tank	4.2	-	-	-	-	-	-	-	E3GAL
4-04-001-16	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13/10/7: Working Loss (67000 Bbl Cap.) - Float Rf Tnk	0.01	-	-	-	-	-	-	-	E3GAL
4-04-001-17	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13/10/7: Working Loss (250000 Bbl Cap.) - Float Rf Tnk	0.01	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-001-18	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	9.6	-	-	-	-	-	-	-	E3GAL
4-04-001-19	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	7.7	-	-	-	-	-	-	-	E3GAL
4-04-001-20	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 7: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	5.4	-	-	-	-	-	-	-	E3GAL
4-04-001-31	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss - Ext. Floating Roof w/ Primary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-32	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss - Ext. Floating Roof w/ Primary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-41	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss - Ext. Floating Roof w/ Secondary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-42	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss - Ext. Floating Roof w/ Secondary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-52	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Vapor Collection Losses	5.2	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-001-53	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Vapor Control Unit Losses	5	-	-	-	-	-	-	-	E3GAL
4-04-001-61	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss - Int. Floating Roof w/ Primary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-62	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss - Int. Floating Roof w/ Primary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-001-71	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 13: Breathing Loss - Int. Floating Roof w/ Secondary Seal	18.2	-	-	-	-	-	-	-	E3GAL
4-04-001-72	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Terminals Gasoline RVP 10: Breathing Loss - Int. Floating Roof w/ Secondary Seal	13.4	-	-	-	-	-	-	-	E3GAL
4-04-002-01	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	30.5	-	-	-	-	-	-	-	E3GAL
4-04-002-02	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 10: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank	23.4	-	-	-	-	-	-	-	E3GAL
4-04-002-03	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 7: Breathing Loss (67000 Bbl. Capacity) - Fixed Roof Tank	16.5	-	-	-	-	-	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-002-04	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 13: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	10	-	-	-	-	-	-	-	E3GAL
4-04-002-05	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 10: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	8.2	-	-	-	-	-	-	-	E3GAL
4-04-002-06	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 7: Working Loss (67000 Bbl. Capacity) - Fixed Roof Tank	5.7	-	-	-	-	-	-	-	E3GAL
4-04-002-11	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 13: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	9.6	-	-	-	-	-	-	-	E3GAL
4-04-002-12	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 10: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	7.7	-	-	-	-	-	-	-	E3GAL
4-04-002-13	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Gasoline RVP 7: Filling Loss (10500 Bbl Cap.) - Variable Vapor Space	5.4	-	-	-	-	-	-	-	E3GAL
4-04-002-50	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Bulk Plants Loading Racks	4.8	-	-	-	-	-	-	-	E3GAL
4-04-003-01	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Oil and Gas Field Storage and Working Tanks Fixed Roof Tank: Breathing Loss	36	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-04-003-02	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Oil and Gas Field Storage and Working Tanks Fixed Roof Tank: Working Loss	1.1	-	-	-	-	-	-	-	E3GAL
4-04-004-02	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Gasoline RVP 13: Working Loss	14.9	-	-	-	-	-	-	-	E3GAL
4-04-004-04	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Gasoline RVP 10: Working Loss	11.9	-	-	-	-	-	-	-	E3GAL
4-04-004-06	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Gasoline RVP 7: Working Loss	8.3	-	-	-	-	-	-	-	E3GAL
4-04-004-08	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Crude Oil RVP 5: Working Loss	4.9	-	-	-	-	-	-	-	E3GAL
4-04-004-10	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Jet Naphtha (JP-4): Working Loss	3.6	-	-	-	-	-	-	-	E3GAL
4-04-004-12	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Jet Kerosene: Working Loss	0.04	-	-	-	-	-	-	-	E3GAL
4-04-004-14	Chemical Evaporation Petroleum Liquids Storage (non-Refinery) Petroleum Products - Underground Tanks Distillate Fuel #2: Working Loss	0.03	-	-	-	-	-	-	-	E3GAL
4-05-001-01	Chemical Evaporation Printing/Publishing Drying Dryer	2000	57	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-05-002-01	Chemical Evaporation Printing/Publishing Letterpress Printing	238	-	-	-	-	-	-	-	TON
4-05-002-02	Chemical Evaporation Printing/Publishing Letterpress Ink Thinning Solvent, Kerosene	2000	-	-	-	-	-	-	-	TON
4-05-002-03	Chemical Evaporation Printing/Publishing Letterpress Ink Thinning Solvents, Mineral Solvents	2000	-	-	-	-	-	-	-	TON
4-05-002-11	Petroleum and Solvent Evaporation Printing/Publishing Letterpress Letterpress: 2751	1200	-	-	-	-	-	-	-	TON
4-05-002-12	Petroleum and Solvent Evaporation Printing/Publishing Letterpress Printing: Letterpress	1.5	-	-	-	-	-	-	-	GAL
4-05-003-01	Chemical Evaporation Printing/Publishing Flexographic Printing	711	-	-	-	-	-	-	-	TON
4-05-003-02	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Carbitol	2000	-	-	-	-	-	-	-	TON
4-05-003-03	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Cellosolve	2000	-	-	-	-	-	-	-	TON
4-05-003-04	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Ethyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-05-003-05	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Isopropyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-05-003-06	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, n-Propyl Alcohol	2000	-	-	-	-	-	-	-	TON
4-05-003-07	Chemical Evaporation Printing/Publishing Flexographic Ink Thinning Solvent, Naphtha	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-05-003-11	Petroleum and Solvent Evaporation Printing/Publishing Flexographic Printing: Flexographic	1910	-	-	-	-	-	-	-	TON
4-05-003-12	Petroleum and Solvent Evaporation Printing/Publishing Flexographic Printing: Flexographic	4.4	-	-	-	-	-	-	-	GAL
4-05-003-14	Chemical Evaporation Printing/Publishing Flexographic Propyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-004-01	Chemical Evaporation Printing/Publishing Lithographic Printing	198	-	-	-	-	-	-	-	TON
4-05-004-11	Petroleum and Solvent Evaporation Printing/Publishing Lithographic Lithographic: 2752	1000	-	-	-	-	-	-	-	TON
4-05-004-12	Petroleum and Solvent Evaporation Printing/Publishing Lithographic Lithographic: 2752	1.24	-	-	-	-	-	-	-	GAL
4-05-004-13	Chemical Evaporation Printing/Publishing Lithographic Isopropyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-004-14	Petroleum and Solvent Evaporation Printing/Publishing General Flexographic: Propyl Alcohol Cleanup	2000	-	-	-	-	-	-	-	TON
4-05-005-01	Petroleum and Solvent Evaporation Printing/Publishing Gravure Gravure: 2754	711	-	-	-	-	-	-	-	TON
4-05-005-02	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Dimethylformamide	2000	-	-	-	-	-	-	-	TON
4-05-005-03	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Ethyl Acetate	2000	-	-	-	-	-	-	-	TON
4-05-005-06	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-05-005-07	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-05-005-10	Chemical Evaporation Printing/Publishing Gravure Ink Thinning Solvent, Toluene	2000	-	-	-	-	-	-	-	TON
4-05-005-11	Chemical Evaporation Printing/Publishing Gravure Printing	1910	-	-	-	-	-	-	-	TON
4-05-005-12	Petroleum and Solvent Evaporation Printing/Publishing Gravure Gravure: 2754	4.4	-	-	-	-	-	-	-	GAL
4-05-005-13	Petroleum and Solvent Evaporation Printing/Publishing Gravure Gravure: 2754	12.4	-	-	-	-	-	-	-	GAL
4-05-005-14	Chemical Evaporation Printing/Publishing Gravure Cleanup Solvent	2000	-	-	-	-	-	-	-	TON
4-05-005-99	Chemical Evaporation Printing/Publishing Printing Ink Thinning Solvent	2000	-	-	-	-	-	-	-	TON
4-05-006-01	Chemical Evaporation Printing/Publishing Printing Ink Mixing	2000	-	-	-	-	-	-	-	TON
4-05-007-01	Chemical Evaporation Printing/Publishing Printing Solvent Storage	2000	-	-	-	-	-	-	-	TON
4-06-001-01	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Splash Loading	12.4	-	-	-	-	-	-	-	E3GAL
4-06-001-26	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Submerged Loading	4.1	-	-	-	-	-	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-001-30	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Distillate Oil: Submerged Loading	0.48	-	-	-	-	-	-	-	E3GAL
4-06-001-31	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Submerged Loading: Normal Service	5	-	-	-	-	-	-	-	E3GAL
4-06-001-32	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Submerged Loading: Normal Service	2	-	-	-	-	-	-	-	E3GAL
4-06-001-33	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Submerged Loading: Normal Service	1.5	-	-	-	-	-	-	-	E3GAL
4-06-001-34	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Kerosene: Submerged Loading: Normal Service	0.16	-	-	-	-	-	-	-	E3GAL
4-06-001-35	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Distillate Oil: Submerged Loading: Normal Service	0.014	-	-	-	-	-	-	-	E3GAL
4-06-001-36	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Splash Loading: Normal Service	12	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-001-37	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Splash Loading: Normal Service	5.5	-	-	-	-	-	-	-	E3GAL
4-06-001-38	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Splash Loading: Normal Service	4	-	-	-	-	-	-	-	E3GAL
4-06-001-39	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Kerosene: Splash Loading: Normal Service	0.04	-	-	-	-	-	-	-	E3GAL
4-06-001-40	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Distillate Oil: Splash Loading: Normal Service	0.03	-	-	-	-	-	-	-	E3GAL
4-06-001-41	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Submerged Loading: Balanced Service	8	-	-	-	-	-	-	-	E3GAL
4-06-001-42	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Submerged Loading: Balanced Service	3	-	-	-	-	-	-	-	E3GAL
4-06-001-43	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Submerged Loading: Balanced Service	2.5	-	-	-	-	-	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-001-44	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Splash Loading: Balanced Service	8	-	-	-	-	-	-	-	E3GAL
4-06-001-45	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Splash Loading: Balanced Service	3	-	-	-	-	-	-	-	E3GAL
4-06-001-46	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Splash Loading: Balanced Service	2.5	-	-	-	-	-	-	-	E3GAL
4-06-001-47	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Submerged Loading: Clean Tanks	4	-	-	-	-	-	-	-	E3GAL
4-06-001-48	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Crude Oil: Submerged Loading: Clean Tanks	1.7	-	-	-	-	-	-	-	E3GAL
4-06-001-49	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Jet Naphtha: Submerged Loading: Clean Tanks	1.5	-	-	-	-	-	-	-	E3GAL
4-06-001-60	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Kerosene: Submerged Loading: Clean Tanks	0.017	-	-	-	-	-	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-001-61	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Distillate Oil: Submerged Loading: Clean Tanks	0.013	-	-	-	-	-	-	-	E3GAL
4-06-001-62	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Loaded with Fuel: Transit Losses	0.01	-	-	-	-	-	-	-	E3GAL
4-06-001-63	Chemical Evaporation Transportation and Marketing of Petroleum Products Tank Cars and Trucks Gasoline: Return with Vapor: Transit Losses	0.11	-	-	-	-	-	-	-	E3GAL
4-06-002-31	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Tankers: Cleaned and Vapor Free Tanks	0.7	-	-	-	-	-	-	-	E3GAL
4-06-002-32	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Tankers	0.7	-	-	-	-	-	-	-	E3GAL
4-06-002-34	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Tankers: Ballasted Tank	1.7	-	-	-	-	-	-	-	E3GAL
4-06-002-35	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Ocean Barges Loading - Ballasted Tank	1.7	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-002-36	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Tankers: Uncleaned Tanks	2.6	-	-	-	-	-	-	-	E3GAL
4-06-002-37	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Ocean Barges Loading - Uncleaned Tanks	2.6	-	-	-	-	-	-	-	E3GAL
4-06-002-38	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Barges: Uncleaned Tanks	3.9	-	-	-	-	-	-	-	E3GAL
4-06-002-39	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Tankers: Ballasted Tank	0.8	-	-	-	-	-	-	-	E3GAL
4-06-002-40	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Loading Barges: Average Tank Condition	3.4	-	-	-	-	-	-	-	E3GAL
4-06-002-41	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Tanker Ballasting	1.7	-	-	-	-	-	-	-	E3GAL
4-06-002-42	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Gasoline: Transit Loss	140	-	-	-	-	-	-	-	E3GAL
4-06-002-43	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Crude Oil: Loading Tankers	0.61	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-002-44	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Jet Fuel: Loading Tankers	0.5	-	-	-	-	-	-	-	E3GAL
4-06-002-45	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Kerosene: Loading Tankers	0.005	-	-	-	-	-	-	-	E3GAL
4-06-002-46	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Distillate Oil: Loading Tankers	0.005	-	-	-	-	-	-	-	E3GAL
4-06-002-48	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Crude Oil: Loading Barges	1	-	-	-	-	-	-	-	E3GAL
4-06-002-49	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Jet Fuel: Loading Barges	1.2	-	-	-	-	-	-	-	E3GAL
4-06-002-50	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Kerosene: Loading Barges	0.013	-	-	-	-	-	-	-	E3GAL
4-06-002-51	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Distillate Oil: Loading Barges	0.012	-	-	-	-	-	-	-	E3GAL
4-06-002-53	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Crude Oil: Tanker Ballasting	1.1	-	-	-	-	-	-	-	E3GAL
4-06-002-54	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Crude Oil: Transit Loss	69.6	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-002-55	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Jet Fuel: Transit Loss	57	-	-	-	-	-	-	-	E3GAL
4-06-002-56	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Kerosene: Transit Loss	0.26	-	-	-	-	-	-	-	E3GAL
4-06-002-57	Chemical Evaporation Transportation and Marketing of Petroleum Products Marine Vessels Distillate Oil: Transit Loss	0.26	-	-	-	-	-	-	-	E3GAL
4-06-003-01	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Splash Filling	11.5	-	-	-	-	-	-	-	E3GAL
4-06-003-02	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Submerged Filling	7.3	-	-	-	-	-	-	-	E3GAL
4-06-003-05	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Unloading	1	-	-	-	-	-	-	-	E3GAL
4-06-003-06	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Balanced Submerged Filling	0.3	-	-	-	-	-	-	-	E3GAL
4-06-003-07	Chemical Evaporation Transportation and Marketing of Petroleum Products Gasoline Retail Operations - Stage I Underground Tank: Breathing and Emptying	1	-	-	-	-	-	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-06-004-01	Chemical Evaporation Transportation and Marketing of Petroleum Products Filling Vehicle Gas Tanks - Stage II Vapor Loss	11	-	-	-	-	-	-	-	E3GAL
4-06-004-02	Chemical Evaporation Transportation and Marketing of Petroleum Products Filling Vehicle Gas Tanks - Stage II Liquid Spill Loss	0.7	-	-	-	-	-	-	-	E3GAL
4-07-004-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Anhydrides Acetic Anhydrides: Breathing Loss	1.2	-	-	-	-	-	-	-	E3GAL
4-07-004-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Anhydrides Acetic Anhydrides: Working Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-008-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols n-Butanol: Breathing Loss	0.9	-	-	-	-	-	-	-	E3GAL
4-07-008-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols n-Butanol: Working Loss	0.1	-	-	-	-	-	-	-	E3GAL
4-07-008-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols sec-Butanol: Breathing Loss	2	-	-	-	-	-	-	-	E3GAL
4-07-008-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols sec-Buanol: Working Loss	0.32	-	-	-	-	-	-	-	E3GAL
4-07-008-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols tert-Butanol: Breathing Loss	3.6	-	-	-	-	-	-	-	E3GAL
4-07-008-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols tert-Butanol: Working Loss	0.76	-	-	-	-	-	-	-	E3GAL
4-07-008-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Cyclohexanol: Breathing Loss	0.58	-	-	-	-	-	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-008-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Cyclohexanol: Working Loss	0.046	-	-	-	-	-	-	-	E3GAL
4-07-008-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Ethanol: Breathing Loss	2.9	-	-	-	-	-	-	-	E3GAL
4-07-008-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Ethanol: Working Loss	0.66	-	-	-	-	-	-	-	E3GAL
4-07-008-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Isobutyl Alcohol: Breathing Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-008-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Isobutyl Alcohol: Working Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-008-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Isopropyl Alcohol: Breathing Loss	3.8	-	-	-	-	-	-	-	E3GAL
4-07-008-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Isopropyl Alcohol: Working Loss	0.86	-	-	-	-	-	-	-	E3GAL
4-07-008-15	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Methanol: Breathing Loss	3.7	-	-	-	-	-	-	-	E3GAL
4-07-008-16	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols Methanol: Working Loss	1.07	-	-	-	-	-	-	-	E3GAL
4-07-008-17	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols n-Propanol: Breathing Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-008-18	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alcohols n-Propanol: Working Loss	0.3	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-016-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Decane: Breathing Loss	0.61	-	-	-	-	-	-	-	E3GAL
4-07-016-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Decane: Working Loss	0.04	-	-	-	-	-	-	-	E3GAL
4-07-016-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Dodecane: Breathing Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-016-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Dodecane: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-016-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Heptane: Breathing Loss	5.8	-	-	-	-	-	-	-	E3GAL
4-07-016-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Heptane: Working Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-016-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Isopentane: Breathing Loss	57.2	-	-	-	-	-	-	-	E3GAL
4-07-016-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Isopentane: Working Loss	16.3	-	-	-	-	-	-	-	E3GAL
4-07-016-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Pentadecane: Breathing Loss	0.05	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-016-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Pentadecane: Working Loss	0.0008	-	-	-	-	-	-	-	E3GAL
4-07-016-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Naphtha: Breathing Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-016-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Naphtha: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL
4-07-016-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Petroleum Distillate: Breathing Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-016-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkanes (Paraffins) Petroleum Distillate: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL
4-07-020-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkenes Dodecene: Breathing Loss	0.15	-	-	-	-	-	-	-	E3GAL
4-07-020-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Alkenes Dodecene: Working Loss	0.005	-	-	-	-	-	-	-	E3GAL
4-07-032-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Aniline: Breathing Loss	0.24	-	-	-	-	-	-	-	E3GAL
4-07-032-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Aniline: Working Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-032-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Ethanolamines: Breathing Loss	0.1	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-032-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Ethanolamines: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-032-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Ethyleneamines: Breathing Loss	7	-	-	-	-	-	-	-	E3GAL
4-07-032-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Amines Ethyleneamines: Working Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-036-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Benzene: Breathing Loss	8	-	-	-	-	-	-	-	E3GAL
4-07-036-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Benzene: Working Loss	2.25	-	-	-	-	-	-	-	E3GAL
4-07-036-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Cresol: Breathing Loss	0.13	-	-	-	-	-	-	-	E3GAL
4-07-036-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Cresol: Working Loss	0.005	-	-	-	-	-	-	-	E3GAL
4-07-036-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Cumene: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-036-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Cumene: Working Loss	0.16	-	-	-	-	-	-	-	E3GAL
4-07-036-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Ethyl Benzene: Breathing Loss	2	-	-	-	-	-	-	-	E3GAL
4-07-036-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Ethyl Benzene: Working Loss	0.26	-	-	-	-	-	-	-	E3GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-036-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Methyl Styrene: Breathing Loss	0.64	-	-	-	-	-	-	-	E3GAL
4-07-036-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Methyl Styrene: Working Loss	0.05	-	-	-	-	-	-	-	E3GAL
4-07-036-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Styrene: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-036-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Styrene: Working Loss	0.17	-	-	-	-	-	-	-	E3GAL
4-07-036-15	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Toluene: Breathing Loss	3.5	-	-	-	-	-	-	-	E3GAL
4-07-036-16	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics Toluene: Working Loss	0.66	-	-	-	-	-	-	-	E3GAL
4-07-036-17	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics m-Xylene: Breathing Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-036-18	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics m-Xylene: Working Loss	0.23	-	-	-	-	-	-	-	E3GAL
4-07-036-19	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics o-Xylene: Breathing Loss	1.5	-	-	-	-	-	-	-	E3GAL
4-07-036-20	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics o-Xylene: Working Loss	0.18	-	-	-	-	-	-	-	E3GAL
4-07-036-21	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics p-Xylene: Breathing Loss	1.9	-	-	-	-	-	-	-	E3GAL
4-07-036-22	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Aromatics p-Xylene: Working Loss	0.24	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-040-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Acetic Acid: Breathing Loss	1.5	-	-	-	-	-	-	-	E3GAL
4-07-040-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Acetic Acid: Working Loss	0.24	-	-	-	-	-	-	-	E3GAL
4-07-040-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Acrylic Acid: Breathing Loss	0.65	-	-	-	-	-	-	-	E3GAL
4-07-040-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Acrylic Acid: Working Loss	0.064	-	-	-	-	-	-	-	E3GAL
4-07-040-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Adipic Acid Solution: Breathing Loss	0.0003	-	-	-	-	-	-	-	E3GAL
4-07-040-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Formic Acid: Breathing Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-040-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Formic Acid: Working Loss	0.57	-	-	-	-	-	-	-	E3GAL
4-07-040-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Propionic Acid: Breathing Loss	0.63	-	-	-	-	-	-	-	E3GAL
4-07-040-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Carboxylic Acids Propionic Acid: Working Loss	0.06	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-044-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Butyl Acetate: Breathing Loss	2.4	-	-	-	-	-	-	-	E3GAL
4-07-044-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Butyl Acetate: Working Loss	0.34	-	-	-	-	-	-	-	E3GAL
4-07-044-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Butyl Acrylate: Breathing Loss	1.59	-	-	-	-	-	-	-	E3GAL
4-07-044-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Butyl Acrylate: Working Loss	0.2	-	-	-	-	-	-	-	E3GAL
4-07-044-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Ethyl Acetate: Breathing Loss	8.5	-	-	-	-	-	-	-	E3GAL
4-07-044-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Ethyl Acetate: Working Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-07-044-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Ethyl Acrylate: Breathing Loss	5.2	-	-	-	-	-	-	-	E3GAL
4-07-044-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Ethyl Acrylate: Working Loss	1.1	-	-	-	-	-	-	-	E3GAL
4-07-044-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Isopropyl Acetate: Breathing Loss	7.3	-	-	-	-	-	-	-	E3GAL
4-07-044-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Isopropyl Acetate: Working Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-044-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Acetate: Breathing Loss	14.4	-	-	-	-	-	-	-	E3GAL
4-07-044-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Acetate: Working Loss	4.8	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-044-15	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Acrylate: Breathing Loss	8.2	-	-	-	-	-	-	-	E3GAL
4-07-044-16	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Acrylate: Working Loss	2.2	-	-	-	-	-	-	-	E3GAL
4-07-044-17	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Methacrylate: Breathing Loss	3.8	-	-	-	-	-	-	-	E3GAL
4-07-044-18	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Methyl Methacrylate: Working Loss	0.7	-	-	-	-	-	-	-	E3GAL
4-07-044-19	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Vinyl Acetate: Breathing Loss	9.4	-	-	-	-	-	-	-	E3GAL
4-07-044-20	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Esters Vinyl Acetate: Working Loss	2.7	-	-	-	-	-	-	-	E3GAL
4-07-052-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Glycol Ethers Diethylene Glycol: Breathing Loss	0.003	-	-	-	-	-	-	-	E3GAL
4-07-056-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Glycols Ethylene Glycol: Breathing Loss	0.052	-	-	-	-	-	-	-	E3GAL
4-07-056-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Glycols Ethylene Glycol: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-056-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Glycols Propylene Glycol: Breathing Loss	0.007	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-060-05	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Carbon Tetrachloride: Breathing Loss	17.8	-	-	-	-	-	-	-	E3GAL
4-07-060-06	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Carbon Tetrachloride: Working Loss	5.2	-	-	-	-	-	-	-	E3GAL
4-07-060-07	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Chlorobenzene: Breathing Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-07-060-08	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Chlorobenzene: Working Loss	0.36	-	-	-	-	-	-	-	E3GAL
4-07-060-09	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics o-Dichlorobenzene: Breathing Loss	0.69	-	-	-	-	-	-	-	E3GAL
4-07-060-10	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics o-Dichlorobenzene: Working Loss	0.05	-	-	-	-	-	-	-	E3GAL
4-07-060-11	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics p-Dichlorobenzene: Breathing Loss	0.82	-	-	-	-	-	-	-	E3GAL
4-07-060-12	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics p-Dichlorobenzene: Working Loss	0.06	-	-	-	-	-	-	-	E3GAL
4-07-060-13	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Epichlorohydrin: Breathing Loss	2.5	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-060-14	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Epichlorohydrin: Working Loss	0.4	-	-	-	-	-	-	-	E3GAL
4-07-060-15	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Ethylene Dibromide: Breathing Loss	4.9	-	-	-	-	-	-	-	E3GAL
4-07-060-16	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Ethylene Dibromide: Working Loss	0.77	-	-	-	-	-	-	-	E3GAL
4-07-060-17	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Ethylene Dichloride: Breathing Loss	8.7	-	-	-	-	-	-	-	E3GAL
4-07-060-18	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Ethylene Dichloride: Working Loss	2.3	-	-	-	-	-	-	-	E3GAL
4-07-060-21	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Perchloroethylene: Breathing Loss	5	-	-	-	-	-	-	-	E3GAL
4-07-060-22	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Perchloroethylene: Working Loss	0.84	-	-	-	-	-	-	-	E3GAL
4-07-060-23	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Trichloroethylene: Breathing Loss	11.1	-	-	-	-	-	-	-	E3GAL
4-07-060-24	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Halogenated Organics Trichloroethylene: Working Loss	2.9	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-064-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Isocyanates Toluene Diisocyanate (TDI): Breathing Loss	0.044	-	-	-	-	-	-	-	E3GAL
4-07-064-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Isocyanates Toluene Diisocyanate (TDI): Working Loss	0.0008	-	-	-	-	-	-	-	E3GAL
4-07-068-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Ketones Cyclohexanone: Breathing Loss	1.7	-	-	-	-	-	-	-	E3GAL
4-07-068-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Ketones Cyclohexanone: Working Loss	0.2	-	-	-	-	-	-	-	E3GAL
4-07-076-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Nitriles Acrylonitrile: Breathing Loss	6.1	-	-	-	-	-	-	-	E3GAL
4-07-076-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Nitriles Acrylonitrile: Working Loss	1.8	-	-	-	-	-	-	-	E3GAL
4-07-080-01	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Nitro Compounds Nitrobenzene: Breathing Loss	0.43	-	-	-	-	-	-	-	E3GAL
4-07-080-02	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Nitro Compounds Nitrobenzene: Working Loss	0.027	-	-	-	-	-	-	-	E3GAL
4-07-084-03	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Phenols Phenol: Breathing Loss	0.15	-	-	-	-	-	-	-	E3GAL
4-07-084-04	Chemical Evaporation Organic Chemical Storage Fixed Roof Tanks - Phenols Phenol: Working Loss	0.006	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-172-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Butyraldehyde: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-172-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Butyraldehyde: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-172-09	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Isobutyraldehyde: Breathing Loss	2.4	-	-	-	-	-	-	-	E3GAL
4-07-172-11	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Propionaldehyde: Breathing Loss	3.9	-	-	-	-	-	-	-	E3GAL
4-07-172-12	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Aldehydes Propionaldehyde: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-176-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Cyclohexane: Breathing Loss	1.47	-	-	-	-	-	-	-	E3GAL
4-07-176-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Cyclohexane: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-176-03	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Hexane: Breathing Loss	2.5	-	-	-	-	-	-	-	E3GAL
4-07-176-04	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Hexane: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-176-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Pentane: Breathing Loss	9.4	-	-	-	-	-	-	-	E3GAL
4-07-176-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkanes (Paraffins) Pentane: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Isoprene: Breathing Loss	9.7	-	-	-	-	-	-	-	E3GAL
4-07-180-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Isoprene: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes 1-Pentene: Breathing Loss	12.6	-	-	-	-	-	-	-	E3GAL
4-07-180-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes 1-Pentene: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-07	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Piperylene: Breathing Loss	6.4	-	-	-	-	-	-	-	E3GAL
4-07-180-08	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Piperylene: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-180-09	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Cyclopentene: Breathing Loss	5.8	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-180-10	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Alkenes Cyclopentene: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-208-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ethers Ethyl Ether: Breathing Loss	9.9	-	-	-	-	-	-	-	E3GAL
4-07-208-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ethers Ethyl Ether: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-208-03	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ethers Propylene Oxide: Breathing Loss	7.8	-	-	-	-	-	-	-	E3GAL
4-07-208-04	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ethers Propylene Oxide: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-220-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Carbon Tetrachloride: Breathing Loss	3.2	-	-	-	-	-	-	-	E3GAL
4-07-220-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Carbon Tetrachloride: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-220-03	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Chloroform: Breathing Loss	4.6	-	-	-	-	-	-	-	E3GAL
4-07-220-04	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Chloroform: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-220-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Ethylene Dichloride: Breathing Loss	1.4	-	-	-	-	-	-	-	E3GAL
4-07-220-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Ethylene Dichloride: Working Loss	0.003	-	-	-	-	-	-	-	E3GAL
4-07-220-09	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Trichlorethylene: Breathing Loss	0.56	-	-	-	-	-	-	-	E3GAL
4-07-220-10	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Halogenated Organics Trichlorethylene: Working Loss	0.004	-	-	-	-	-	-	-	E3GAL
4-07-228-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Acetone: Breathing Loss	2.6	-	-	-	-	-	-	-	E3GAL
4-07-228-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Acetone: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-228-03	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Methyl Ethyl Ketone: Breathing Loss	1.3	-	-	-	-	-	-	-	E3GAL
4-07-228-04	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Methyl Ethyl Ketone: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-228-05	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Methyl Isobutyl Ketone: Breathing Loss	0.31	-	-	-	-	-	-	-	E3GAL

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-07-228-06	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Ketones Methyl Isobutyl Ketone: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-232-01	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Mercaptans Ethyl Mercaptan: Breathing Loss	8.2	-	-	-	-	-	-	-	E3GAL
4-07-232-02	Chemical Evaporation Organic Chemical Storage Floating Roof Tanks - Mercaptans Ethyl Mercaptan: Working Loss	0.002	-	-	-	-	-	-	-	E3GAL
4-07-999-97	Petroleum and Solvent Evaporation Organic Chemical Storage Miscellaneous Specify in Comments	1.44	-	-	-	-	-	-	-	TON
4-90-001-01	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Petroleum Naphtha (Stoddard)	2000	-	-	-	-	-	-	-	TON
4-90-001-02	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Methyl Ethyl Ketone	2000	-	-	-	-	-	-	-	TON
4-90-001-03	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Methyl Isobutyl Ketone	2000	-	-	-	-	-	-	-	TON
4-90-001-04	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Furfural	2000	-	-	-	-	-	-	-	TON
4-90-001-05	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-001-99	Chemical Evaporation Organic Solvent Evaporation Solvent Extraction Process Other Not Classified	2000	-	-	-	-	-	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-90-002-01	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Storage Tank Vent	0.02	-	-	-	-	-	-	-	TON
4-90-002-02	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Condenser Vent	3.3	-	-	-	-	-	-	-	TON
4-90-002-03	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Incinerator Stack	0.02	-	-	-	-	-	-	-	TON
4-90-002-04	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Solvent Spillage	0.2	-	-	-	-	-	-	-	TON
4-90-002-05	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Solvent Loading	0.72	-	-	-	-	-	-	-	TON
4-90-002-99	Chemical Evaporation Organic Solvent Evaporation Waste Solvent Recovery Operations Other Not Classified	2000	-	-	-	-	-	-	-	TON
4-90-003-01	Chemical Evaporation Organic Solvent Evaporation Rail Car Cleaning Ethylene Glycol	0.0007	-	-	-	-	-	-	-	EACH
4-90-003-02	Chemical Evaporation Organic Solvent Evaporation Rail Car Cleaning Chlorobenzene	0.035	-	-	-	-	-	-	-	EACH
4-90-003-03	Chemical Evaporation Organic Solvent Evaporation Rail Car Cleaning o-Dichlorobenzene	0.166	-	-	-	-	-	-	-	EACH
4-90-003-04	Chemical Evaporation Organic Solvent Evaporation Rail Car Cleaning Creosote	5.18	-	-	-	-	-	-	-	EACH
4-90-004-01	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Acetone	0.69	-	-	-	-	-	-	-	EACH

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-90-004-02	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Perchloroethylene	0.474	-	-	-	-	-	-	-	EACH
4-90-004-03	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Methyl Methacrylate	0.071	-	-	-	-	-	-	-	EACH
4-90-004-04	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Phenol	0.012	-	-	-	-	-	-	-	EACH
4-90-004-05	Chemical Evaporation Organic Solvent Evaporation Tank Truck Cleaning Propylene Glycol	0.002	-	-	-	-	-	-	-	EACH
4-90-005-01	Chemical Evaporation Organic Solvent Evaporation Air Stripping Tower Trichloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-005-02	Chemical Evaporation Organic Solvent Evaporation Air Stripping Tower Perchloroethylene	2000	-	-	-	-	-	-	-	TON
4-90-005-04	Chemical Evaporation Organic Solvent Evaporation Air Stripping Tower Chloroform	2000	-	-	-	-	-	-	-	TON
4-90-005-99	Chemical Evaporation Organic Solvent Evaporation Air Stripping Tower Solvent	2000	-	-	-	-	-	-	-	TON
4-90-900-11	Chemical Evaporation Organic Solvent Evaporation Fuel Fired Equipment Incinerator: Distillate Oil (No. 2)	0.4	-	-	-	-	-	-	-	E3GAL
4-90-900-12	Chemical Evaporation Organic Solvent Evaporation Fuel Fired Equipment Incinerator: Residual Oil	0.56	-	-	-	-	-	-	-	E3GAL
4-90-900-13	Chemical Evaporation Organic Solvent Evaporation Fuel Fired Equipment Incinerator: Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3
4-90-900-23	Chemical Evaporation Organic Solvent Evaporation Fuel Fired Equipment Flare: Natural Gas	5.6	-	-	-	-	-	-	-	E6FT3

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
4-90-999-99	Petroleum and Solvent Evaporation Organic Solvent Evaporation Miscellaneous Volatile Organic Compound Evaporation Identify the Process and Solvent in Comments	2000	-	-	-	-	-	-	-	TON
5-01-001-01	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Modular Starved Air Combustor	1.5	3.16	0.299	-	-	3.23	-	0.12	TON
5-01-001-02	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Mass Burn Combustor	0.1	3.6	2.2	-	-	1.7	-	0.18	TON
5-01-001-03	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Combustor: Refuse Derived Fuel (RDF)	-	5.02	1.92	-	-	3.9	-	0.201	TON
5-01-001-04	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Mass Burn Refractory Wall Combustor	-	2.46	1.37	-	-	3.46	-	0.213	TON
5-01-001-05	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Mass Burn Waterwall Combustor	-	3.56	0.463	-	-	3.46	-	0.213	TON
5-01-001-06	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Mass Burn Rotary Waterwall Combustor	-	2.25	0.766	-	-	3.46	-	0.213	TON
5-01-001-07	Waste Disposal Solid Waste Disposal - Government Municipal Waste Incineration Modular Excess Air Combustor	-	2.47	-	-	-	3.46	-	0.213	TON
5-01-002-01	Waste Disposal Solid Waste Disposal - Government Open Burning Dump General Refuse	30	6	85	-	-	1	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-01-002-02	Waste Disposal Solid Waste Disposal - Government Open Burning Dump Vegetation Only	19	4	140	-	-	-	-	-	TON
5-01-004-10	Waste Disposal Solid Waste Disposal - Government Municipal Solid Waste Landfill Landfill Dump: Waste Gas Destruction: Waste Gas Flares	-	40	750	17	17	-	-	-	E6FT3S
5-01-004-20	Waste Disposal Solid Waste Disposal - Government Municipal Solid Waste Landfill Landfill Gas (LFG) Energy Recovery: Turbine	-	87	230	22	22	-	-	-	E6FT3S
5-01-004-21	Waste Disposal Solid Waste Disposal - Government Municipal Solid Waste Landfill Landfill Gas (LFG) Energy Recovery: Internal Combustion Engine	-	250	470	48	48	-	-	-	E6FT3
5-01-004-23	Waste Disposal Solid Waste Disposal - Government Municipal Solid Waste Landfill Landfill Gas (LFG) Energy Recovery: Boiler	-	33	5.7	8.2	8.2	-	-	-	E6FT3
5-01-005-05	Waste Disposal Solid Waste Disposal - Government Other Incineration Medical Waste Incinerator, unspecified type, Infectious wastes only	0.3	3.56	2.95	-	-	2.17	-	0.0728	TON
5-01-005-06	Waste Disposal Solid Waste Disposal - Government Other Incineration Sludge	1	1.04	7.73	-	-	1	-	0.025	TON
5-01-005-07	Waste Disposal Solid Waste Disposal - Government Other Incineration Conical Design (Tee Pee) Municipal Refuse	20	5	60	-	-	2	-	-	TON
5-01-005-08	Waste Disposal Solid Waste Disposal - Government Other Incineration Conical Design (Tee Pee) Wood Refuse	11	1	130	-	-	0.1	-	-	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-01-005-10	Waste Disposal Solid Waste Disposal - Government Other Incineration Trench Burner: Wood	19	4	-	-	-	0.1	-	-	TON
5-01-005-11	Waste Disposal Solid Waste Disposal - Government Other Incineration Trench Burner: Tires	6	-	-	-	-	-	-	-	TON
5-01-005-12	Waste Disposal Solid Waste Disposal - Government Other Incineration Trench Burner: Refuse	13	-	-	-	-	2.5	-	-	TON
5-01-005-15	Waste Disposal Solid Waste Disposal - Government Other Incineration Sludge: Multiple Hearth	1.7	5	31	-	-	28	-	0.1	TON
5-01-005-16	Waste Disposal Solid Waste Disposal - Government Other Incineration Sludge: Fluidized Bed	-	1.7	2.1	-	-	0.3	-	0.04	TON
5-01-005-17	Waste Disposal Solid Waste Disposal - Government Other Incineration Sludge: Electric Infrared	-	8.6	-	-	-	18	-	0.1	TON
5-01-007-01	Waste Disposal Solid Waste Disposal - Government Publicly Owned Treatment Works Entire Plant Not Elsewhere Classified	8.9	-	-	-	-	-	19	-	E6GAL
5-02-001-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Multiple Chamber	3	3	10	-	-	2.5	-	-	TON
5-02-001-02	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Single Chamber	15	2	20	-	-	2.5	-	-	TON
5-02-001-03	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Controlled Air	-	10	-	-	-	1.5	-	-	TON
5-02-001-04	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Conical Design (Tee Pee) Municipal Refuse	20	5	60	-	-	2	-	-	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-02-001-05	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration Conical Design (Tee Pee) Wood Refuse	11	1	130	-	-	0.1	-	-	TON
5-02-002-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Open Burning Wood	19	4	140	-	-	-	-	-	TON
5-02-002-02	Waste Disposal Solid Waste Disposal - Commercial/Institutional Open Burning Refuse	30	6	85	-	-	1	-	-	TON
5-02-003-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Apartment Incineration Flue Fed	15	3	20	-	-	0.5	-	-	TON
5-02-003-02	Waste Disposal Solid Waste Disposal - Commercial/Institutional Apartment Incineration Flue Fed with Afterburner and Draft Controls	3	10	10	-	-	0.5	-	-	TON
5-02-005-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration: Special Purpose 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	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration: Special Purpose Medical Waste Rotary Kiln Incinerator	0.0666	4.63	0.382	-	-	1.09	-	0.124	TON
5-02-005-05	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration: Special Purpose Medical Waste Incinerator, unspecified type, Infectious wastes only	0.3	3.56	2.95	-	-	2.17	-	0.0728	TON
5-02-005-06	Waste Disposal Solid Waste Disposal - Commercial/Institutional Incineration: Special Purpose Sludge	1	5	-	-	-	1	-	0.1	TON

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-02-006-01	Waste Disposal Solid Waste Disposal - Commercial/Institutional Landfill Dump Waste Gas Flares	5.6	40	750	-	-	-	-	-	E6FT3
5-03-001-01	Waste Disposal Solid Waste Disposal - Industrial Incineration Multiple Chamber	3	3	10	-	-	2.5	-	-	TON
5-03-001-02	Waste Disposal Solid Waste Disposal - Industrial Incineration Single Chamber	15	2	20	-	-	2.5	-	0.00181	TON
5-03-001-03	Waste Disposal Solid Waste Disposal - Industrial Incineration Controlled Air	-	10	-	-	-	1.5	-	-	TON
5-03-001-04	Waste Disposal Solid Waste Disposal - Industrial Incineration Conical Design (Tee Pee): Municipal Refuse	20	5	60	-	-	2	-	-	TON
5-03-001-05	Waste Disposal Solid Waste Disposal - Industrial Incineration Conical Design (Tee Pee): Wood Refuse	11	1	130	-	-	0.1	-	-	TON
5-03-001-06	Waste Disposal Solid Waste Disposal - Industrial Incineration Air Curtain Combustor: Wood	-	4	-	-	-	0.1	-	-	TON
5-03-001-07	Waste Disposal Solid Waste Disposal - Industrial Incineration Air Curtain Combustor: Tires	6	-	-	-	-	-	-	-	TON
5-03-001-08	Waste Disposal Solid Waste Disposal - Industrial Incineration Incinerator: Auto Body Components	-	0.1	2.5	-	-	-	-	-	EACH
5-03-001-09	Waste Disposal Solid Waste Disposal - Industrial Incineration Air Curtain Combustor: Refuse	13	-	-	-	-	2.5	-	-	TON
5-03-001-11	Waste Disposal Solid Waste Disposal - Industrial Incineration Mass Burn Refractory Wall Combustor	-	2.46	1.37	-	-	3.46	-	0.213	TON

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-03-001-12	Waste Disposal Solid Waste Disposal - Industrial Incineration Mass Burn Waterwall Combustor	-	3.56	0.463	-	-	3.46	-	0.213	TON
5-03-001-13	Waste Disposal Solid Waste Disposal - Industrial Incineration Mass Burn Rotary Waterwall Combustor	-	2.25	0.766	-	-	3.46	-	0.213	TON
5-03-001-14	Waste Disposal Solid Waste Disposal - Industrial Incineration Modular Starved Air Combustor	-	3.16	0.299	-	-	3.23	-	-	TON
5-03-001-15	Waste Disposal Solid Waste Disposal - Industrial Incineration Modular Excess Air Combustor	-	2.47	-	-	-	3.46	-	0.213	TON
5-03-002-01	Waste Disposal Solid Waste Disposal - Industrial Open Burning Wood/Vegetation/Leaves	-	4	-	-	-	-	-	-	TON
5-03-002-02	Waste Disposal Solid Waste Disposal - Industrial Open Burning Refuse	30	6	85	-	-	1	-	-	TON
5-03-002-03	Waste Disposal Solid Waste Disposal - Industrial Open Burning Auto Body Components	32000	4000	125000	-	-	-	-	0.67	E3TON
5-03-005-05	Waste Disposal Solid Waste Disposal - Industrial Incineration Hazardous Waste Incinerators: Multiple Hearth	-	3	-	-	-	-	-	-	TON
5-03-005-06	Waste Disposal Solid Waste Disposal - Industrial Incineration Sludge	1	5	-	-	-	1	-	-	TON
5-03-006-01	Waste Disposal Solid Waste Disposal - Industrial Solid Waste Landfill Landfill Dump: Waste Gas Flares	-	40	750	17	17	-	-	-	E6FT3
5-03-007-01	Waste Disposal Solid Waste Disposal - Industrial Wastewater Treatment General	4500	42600	-	-	-	-	-	-	E6GAL

Table C-4: 2020 List of Source Classification Codes and Respective EMIT Default Emission Factors

SCC	Description	Emission Factor for Pollutant [lb/Activity Unit]								Activity Unit
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead	
5-03-008-30	Waste Disposal Solid Waste Disposal - Industrial Treatment, Storage, Disposal/TSDF Containers: Fugitive Emissions	222	-	-	-	-	-	-	-	E3EACH

Table C-5: Facility Source Level 2020 Connecticut Point Source Inventory

Appendix C Table 5

DETAIL LISTING OF 2020 CONNECTICUT POINT SOURCE INVENTORY

2020 Site Information:

Site Name: IROQUOIS PIPELINE OPERATING CO EIS ID: 14621711 CT ID: T028P0049C08044 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Station Emergency Shutdown Device Natural Gas Venting	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	40	0	0
E0004	Caterpillar emergency power generator engine	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	3	2
E0005	Compressor normal seal gas leakage	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	33	0	0
P0027	Solar Taurus Model 60 SoLoNOx combustion turbine	0.8	10.2	2.9	1.8	1.8	0.2	0.0	0.00000	5	70	11
P0028	Solar Taurus Model 70 SoLoNOx combustion turbine	1.1	4.0	6.4	2.3	2.3	0.2	0.0	0.00000	6	23	30

Site Name: WATERSIDE POWER LLC EIS ID: 14623611 CT ID: T172P0026C08048 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0009	Black Start Generator Tank	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	Tank #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	Tank #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0228	GE TM2500 TURBINE 23.2 MW	0.0	1.0	0.2	0.0	0.0	0.0	0.0	0.00004	0	625	65
P0229	GE TM2500 TURBINE 23.2 MW	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.00002	0	513	43
P0230	GE TM2500 TURBINE 23.2 MW	0.0	0.8	0.1	0.0	0.0	0.0	0.0	0.00003	0	662	49
P0240	1000 KW BLACK START ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	13	3

2020 Site Information:

Site Name: Tilcon Connecticut Inc. - Danbury EIS ID: 17997311 CT ID: T044P0039C06578 SIC Code: 2951
Address: 3 Plumtree Road, DANBURY, CT Latitude: 41.407426 Longitude: -73.414747
County: FAIRFIELD Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Portable Nordberg Model 300 Cone Crusher with Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	Portable CDC Double Deck Vibrating Screening Plant with Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	Portable Sandvick Impactor Plant (RAP Crusher) with Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	Various Portable Non-Emergency Engines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0005	5T MASDEN BITUM CONC BATCH PLT	2.7	0.1	0.0	0.4	0.4	7.0	0.0	0.00000	21	1	0
U0001	MISC VOC EVAPORATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: KINGSWOOD KITCHENS INC EIS ID: 2722211 CT ID: T044P0226C03050 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	BOILER HB SMITH SERIES 28A-12	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00001	0	0	0
E0003	GLUING (FUGITIVE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	SOLVENT CLEANING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	WOODWORKING/CUTTING OPERATIONS	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.00000	0	0	0
P0078	Spray Booth No. 1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	22	0	0
P0079	Spray Booth No. 7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0
P0080	Spray Booth No. 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0083	Spray Booth No. 4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	10	0	0
P0084	SPRAY BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0173	Spray Booth No. 3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	15	0	0
P0174	Spray Booth No. 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: CONNECTICUT JET POWER, LLC EIS ID: 2722511 CT ID: T067P0017C07741 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0097	20 MW FT4 TURBINE Unit 13	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.00002	0	45	93
P0098	20 MW FT4 TURBINE Unit 14	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00002	0	67	59
R0052	P&WA FT4 TURBINE Unit 10	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.00002	0	69	124
R0053	P&WA FT4 TURBINE Unit 11	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.00002	0	63	123
R0054	P&WA FT4 TURBINE Unit 12	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.00002	0	66	79

2020 Site Information:

Site Name: Total Petrochemical and Refining EIS ID: 533411 CT ID: T178P0167C08768 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	MISC BLR CB 200-60	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0002	Miscellaneous Small Equipment	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	26	0	0
E0003	Safety Clean Parts Washer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0112	Reactor/dryer 2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	42	0	0
P0113	Reactor/dryer 3	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	42	0	0

2020 Site Information:

Site Name: NORWALK HOSPITAL ASSOCIATION EIS ID: 552411 CT ID: T137P0003C01727 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0003	CATERPILLAR 3516 C	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	0
P0052	KAWASAKI M1A-13 TURBINE #2	0.4	1.2	0.7	0.1	0.1	0.0	0.0	0.00000	0	0	0
P0053	BLR CB 200-500 #1	0.1	4.7	0.5	0.3	0.3	0.0	0.0	0.00000	0	19	2
P0054	BLR CB 200-500 #2	0.1	4.5	0.7	0.3	0.3	0.0	0.0	0.00000	0	18	3
P0066	CAT 3508 DIESEL	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	0	3	1
P0135	CTERPILLAR 3516 B	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.00000	0	5	1
P0164	3MW Caterpillar Natural Gas-Fired Cogeneration Engine	0.2	2.5	0.5	1.0	1.0	0.1	0.0	0.00000	1	15	2

2020 Site Information:

Site Name: Spartech, LLC EIS ID: 588811 CT ID: T172P0091C08762 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	BAKE OVENS 1,2,3, EXHAUST	0.1	2.2	1.9	0.2	0.2	0.0	0.0	0.00001	1	9	8
E0005	Cleaver Brooks Boiler FLX-900 #2	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.00000	0	3	3
E0010	Cleaver Brooks Boiler FLX-900 #1	0.0	0.8	0.6	0.1	0.1	0.0	0.0	0.00000	0	4	4
P0079	ONAN 500 DFFB DIESEL GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0156	SCRATCH RESISTANT COATING	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	1
R0256	27 POLYMERIZING MACH-EPO PROC	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	25	0	0
R0257	LIQUID SEAL VACUUM PUMP	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	2

2020 Site Information:

Site Name: HAMPFORD RESEARCH INC EIS ID: 589611 CT ID: T178P0223C05988 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0089	BLR CB-200-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0120	ORGNIC SYNTHESIS FAC GRP 1,2,3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	30	0	0
P0121	CLEAVER BROOKS BOILER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1

2020 Site Information:

Site Name: SIKORSKY AIRCRAFT CORPORATION EIS ID: 642511 CT ID: T178P0005C08785 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	COLD CLEANING TANKS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0002	CAT 3406 FIRE PUMPS (4)	0.1	0.7	0.1	0.0	0.0	0.0	0.0	0.00000	2	26	6
E0005	SOLUTION TANK GN276-NITAL ETCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	CAT 3412 DIESEL GEN OR REPLACEMENT	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	0
P0035	FINISHES BLDG VH PROG #2	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	3	0	0
P0036	FINISHES BLDG CELL #1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0037	FINISHES BLDG CELL #3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	2	0	0
P0038	FINISHES SMALL PARTS	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	3	0	0
P0077	FINISHES BLDG VH #4 PAINT BOOTH	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0078	BLADE SHOP #1 PAINTING OPS	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	14	0	0
P0117	FIXED ROOF STORAGE TANK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0128	DYESCAN PAINT BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0129	Cogeneration Facility Turbine and Duct Burner	3.3	2.1	0.6	8.4	8.4	0.3	0.8	0.00003	21	13	4
R0016	BLR WICKES #4	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.00000	0	2	1
R0017	BLR WICKES #3	0.1	0.6	1.3	0.1	0.1	0.0	0.1	0.00001	1	7	15
R0018	BLR WICKES #2	0.1	0.9	1.4	0.1	0.1	0.0	0.1	0.00001	1	6	11
R0019	BLR WICKES #1	0.1	0.7	1.2	0.1	0.1	0.0	0.0	0.00001	1	6	10

2020 Site Information:

Site Name: SIKORSKY AIRCRAFT CORPORATION (Contintued) EIS ID: 642511 CT ID: T178P0005C08785 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
U0003	LARGE AIRCRAFT COATING:	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
U0006	MISC VOC SOURCES	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	56	0	0

2020 Site Information:

Site Name: Sprague Operating Resources, LLC EIS ID: 754211 CT ID: T015P0017C08751 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	TANK #21- DISTILLATE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0002	TANK #30 ADDITIVE (GAS)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0003	TANK# 34-ADDITIVE(DIESEL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	TANK# 33 ADDITIVE (DIESEL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	TANK# 32-ADDITIVE(GAS)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0006	TANK# 20 (DISTILLATE)	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
E0007	TANK# 22 (DISTILLATE)	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
E0008	TANK# 23 (DISTILLATE)	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
E0009	TANK# 24 (DISTILLATE)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
E0010	TANK# 25 -ADDITIVE (GAS)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0011	TANK#31-DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	TANK#37-ADDITIVE (DIESEL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	TANK#38-ADDITIVE (GAS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	TANK RVP BLEND-DOWN ACTIVITIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	Fire Pump Engine Garage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	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	0.00000	5	0	0
E0017	Fire Pump Engine Foam House	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0018	Garage Heater	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0

2020 Site Information:

Site Name: Sprague Operating Resources, LLC (Continued) EIS ID: 754211 CT ID: T015P0017C08751 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

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
E0019	Tank #35 - Additive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0020	TANK #15 - FUEL ETHANOL	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0021	Tank #39 - Additive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0022	Tank #40 - Additive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0168	TRUCK LOAD RACK - DIST (4)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
P0733	TRUCK LOADING RACK - GASOLINE	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	56	0	0
R0734	TANK #11 - MNL GASOLINE	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	17	0	0
R0735	TANK #12 - GASOLINE	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	13	0	0
R0736	TANK #14 - FUEL ETHANOL	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0737	TANK #15 - GASOLINE	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	11	0	0
R0738	TANK #16- DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0952	TANK #18 - GASOLINE	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	13	0	0
R0953	TANK #19 - DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0954	TANK #17 - Gasoline – Ethanol - Distillate Oil Storage Vessel	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	13	0	0
U0001	DISTILLATE SPLASHLOADING-BARGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: PSEG PWR CT LLC/BPT HARBOR STA EIS ID: 754311 CT ID: T015P0045C08087 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0003	CUMMINS H6-1P/101 HP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	SPACE HEATER,MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	SPACE HEATER, MODEL AH 9	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	2.6 MMBtu/hr Cummins CFP9E-F60 emergency fire pump engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	Auxiliary Cooling Tower	0.1	0.0	0.0	0.2	0.2	0.0	0.0	0.00000	0	0	0
E0012	HVAC/Makeup Air Space Heaters for Unit 5 Project	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0089	C.E. STEAM GENERATOR #3	0.1	3.8	0.9	0.1	0.0	4.0	0.0	0.00001	1	57	13
P0299	General Electric 7HA.02 dual fired Combustion Turbine, Duct Burner and Heat Recovery Steam Generator	2.2	72.1	2.2	0.0	0.0	7.2	6.5	0.00000	13	417	0
P0300	80 MMBtu/hr Victory Energy Natural Gas Fired Boiler with Ultra Low NOx Burners and Flue Gas Recirculation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0301	2,000 kW Caterpillar 3516C Diesel Fired Emergency Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0166	P&WA FT4A-8 TURBINE (Unit #4)	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.00002	0	9	0

2020 Site Information:

Site Name: WHEELABRATOR BRIDGEPORT LP EIS ID: 754411 CT ID: T015P0765C08786 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	SPECTRUM DIESEL EMERG GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0003	ASH CONDITIONER/HANDLING	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.00000	0	0	0
E0004	CAT DIESEL EMERG FIRE ENG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0005	LIME SLAKERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	LIME SILO W/FAB FILT VENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	CARBON SILO W/FAB FILTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	COOLING TOWER	0.0	0.0	0.0	29.5	29.5	0.0	0.0	0.00000	0	0	0
P0097	B&W RES RECOV INCIN #1	2.5	318.4	22.1	11.3	11.3	34.0	1.2	0.00106	15	1,867	130
P0098	B&W RES RECOV INCIN #2	2.5	325.2	19.8	13.2	13.2	18.2	2.8	0.00298	15	1,903	116
P0099	B&W RES RECOV INCIN #3	2.5	317.6	19.1	12.7	12.7	21.4	3.2	0.06555	15	1,882	113
P0296	INDUSTRIAL VACUUM CLEANER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: BRIDGEPORT ENERGY LLC EIS ID: 754511 CT ID: T015P0862C06859 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	303(PEAK)HP CATERPILLER	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	3	4	3
E0002	Cold Cleaning Unit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0190	190 MW SIEMENS TURBINE	11.2	63.5	74.2	8.2	7.0	1.8	9.1	0.00000	126	635	83
P0191	190 MW SIEMENS TURBINE	8.4	67.2	83.8	4.6	4.0	1.9	16.8	0.00000	61	641	34

2020 Site Information:

Site Name: Manchester Landfill Premises EIS ID: 14622811 CT ID: T097P0225C00197 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	EXTERNAL COMBUSTION GEU	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	LPG EXTERNAL COMBUSTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	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	0.00000	0	0	0
E0008	EMERGENCY GENERATORS	0.1	1.9	0.2	0.0	0.0	0.0	0.0	0.00000	3	44	7
E0009	SEWAGE TREATMENT PLANT	3.6	0.0	0.0	0.0	0.0	0.0	22.8	0.00000	19	0	0
E0011	GASOLINE STORAGE TANK	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	VEHICLE REF DIESEL FUEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	STORAGE TANKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	COLD CLEANING TANKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	GASOLINE STAGE II PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	WELDING HOOD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0017	FUGITIVE NMOC EMISSIONS FROM LANDFILL	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	15	0	0
P0114	LFG FLARE & COLLECTION SYSTEM	0.0	2.5	2.1	1.5	1.5	64.6	0.0	0.00287	0	14	11

2020 Site Information:

Site Name: PRATT & WHITNEY DIV UTC EIS ID: 2673411 CT ID: T053P0009C00130 SIC Code: 3724
Address: 400 MAIN ST (MAIN PLANT), EAST HARTFORD, CT Latitude: 41.750557 Longitude: -72.635378
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	M & ME SPRAY BOOTH BT535911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	M & ME SPRAY BOOTH BT530020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	GMPC SPRAY BOOTH E000488	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	EMER ENGINES (NOT 3B)	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.00000	2	10	13
E0011	CATERPILLAR EMERG ENG 474914	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0012	KOHLER EMERG GEN BT347250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	2
E0014	KOHLER EMERG GEN 474922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	6
E0015	COLD CLEANING TANKS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	BURNER RIGS TESTING	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.00001	0	3	1
E0295	TEST CELL NO. X-7	0.0	9.9	1.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0296	TEST CELL NO. X-8	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	87	17
E0382	HFB BN Spray Booth 545028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0383	Spray Booth ATR Ind. 545692	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0384	Spray Booth Heat Transfer 664939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0385	Misc Natural Gas Sources	0.1	1.5	1.2	0.1	0.1	0.0	0.0	0.00001	0	8	7
E0387	HQEB Cummins Emer Gen 482842	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
P0049	FT-8 COGENERATION GAS TURBINE	1.0	11.2	24.0	3.2	3.2	0.3	5.7	0.00000	10	133	245
P0055	BT 541382 BT 539823	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: PRATT & WHITNEY DIV UTC (Continued) EIS ID: 2673411 CT ID: T053P0009C00130 SIC Code: 3724
Address: 400 MAIN ST (MAIN PLANT), EAST HARTFORD, CT Latitude: 41.750557 Longitude: -72.635378
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0098	CUMMINS EMERG GEN BT470993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	2
P0121	HFB SPRAY BOOTH EHRO BT 816461	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0124	SPEC. COAT SPRAY BOOTH 244095	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0132	HVOF PLASMA SPRAY BOOTH 542073	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0133	CANMC STC PB 02 SPRAY BOOTH 545255	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0141	Noble Gas Furnace #1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0142	Noble Gas Furnace #2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0143	Noble Gas Furnace #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0144	Noble Gas Furnace #4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0145	GFS Custom Cross Draft Paint Booth 546711	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0
R0019	X7 INLET AIR HEATER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0020	X8 INLET AIR HEATER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0039	BLR UNION IRON WORKS #6	0.0	0.8	0.4	0.0	0.0	0.0	0.0	0.00000	0	13	7
R0041	BLR REILY WT-VO #8	0.7	12.9	10.6	1.0	1.0	0.1	0.4	0.00006	3	55	46
R0042	BLR UNION WT-VO #9	0.5	12.9	7.2	0.6	0.6	0.1	0.3	0.00004	9	245	140
U0004	THIN SOLV: IPA PMC 9094	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	33	0	0
U0014	SPRAY GUN CLEANING PMC 9060	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: SUPREME LAKE MFG CO EIS ID: 2673711 CT ID: T168P0110C04470 SIC Code: 3451
Address: 455 ATWATER ST, SOUTHINGTON, CT Latitude: 41.577516 Longitude: -72.900808
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0047	ULTRAKOOL VAPOR DEGREASER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: M D C /HARTFORD WPCF EIS ID: 552311 CT ID: T075P0505C01046 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	WASTEWATER TREATMENT	9.4	0.0	0.0	0.0	0.0	0.0	203.5	0.00000	59	0	0
E0003	SLUDGE PROC BLDG	0.4	0.0	0.0	0.0	0.0	0.0	2.0	0.00000	3	0	0
E0005	BOILER IN ADMIN BLDG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	SIX SMALL BOILERS	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	TWO RESIDENTIAL BOILERS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	GASOLINE FIRED ENGINES	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.00000	14	10	395
E0016	CATERPILLER XQ350 PORTABLE GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0023	CATERPILLAR C32 UV EM.	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	0
E0024	Cummins 2500kW Em. Engine #1	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.00000	0	4	2
E0025	Cummins 2500kW Em. Engine #2	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.00000	0	4	2
E0026	Cummins 2500kW Em. Engine #3	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.00000	0	4	2
E0027	BOILERS/HEATERS IN HEADWORKS	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0028	AIR HANDLING UNITS CLARIFIER CHEM BLDGS	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0006	NICHOLS MULTI-HEARTH SSI #1N	0.4	27.0	7.5	1.6	1.6	10.4	0.2	0.00017	0	243	254
P0007	NICHOLS MULTI-HEARTH SSI #2C	0.2	17.8	4.3	1.0	1.0	2.0	0.1	0.00025	0	187	299
P0008	NICHOLS MULTI-HEARTH SSI #3S	0.4	21.7	10.4	2.2	2.2	6.0	0.0	0.00056	3	122	882
P0212	CATERPILLAR 3412 EM. ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: M D C /HARTFORD WPCF (Continued) EIS ID: 552311 CT ID: T075P0505C01046 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

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
		VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0213	CATERPILLAR 3406 EM. ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0214	CATERPILLAR 3406 EM. ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0215	CATERPILLAR 3406 EM. ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0216	CATERPILLAR 3406 EM. ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0217	CATERPILLAR 3406 EM. ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0343	Caterpillar, Model XQ350 Generator Set, Serial No. 4JK00628	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: COVANTA BRISTOL, INC EIS ID: 588711 CT ID: T026P0202C06590 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Clarke Murphy MD6 Diesel Fire	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0002	Ash Handling System	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0
E0003	Cold cleaner for miscellaneous parts washing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0026	MARTIN/ZURN INCIN #1	1.1	108.6	19.7	4.1	2.9	15.2	4.6	0.00575	7	592	64
P0027	MARTIN/ZURN INCIN #2	1.1	127.8	13.6	3.6	2.9	11.0	1.6	0.01070	7	908	88

2020 Site Information:

Site Name: ALGONQUIN POWER WINDSOR LOCKS. EIS ID: 589711 CT ID: T213P0001C08095 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0029	GE PB6541B GAS TURBINE	0.5	7.5	3.3	0.2	0.2	0.0	0.0	0.00001	41	375	211
P0031	BLR NEBRASKA TYPE A #1	0.6	8.9	8.6	0.2	0.2	0.0	0.3	0.00005	3	44	46
P0032	BLR NEBRASKA TYPE A #2	0.2	3.2	3.5	0.1	0.1	0.0	0.1	0.00002	3	38	43
P0116	SOLAR TITAN 130 GAS TURBINE	0.1	7.3	1.4	10.1	10.1	0.1	0.5	0.00000	1	38	7

2020 Site Information:

Site Name: MIRA / MID-CONNECTICUT EIS ID: 715611 CT ID: T075P0158C08792 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	Ash Handling System	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00050	0	0	0
E0003	2 Weil Mclain Boilers	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0044	C.E. VU-40 INCIN #1	18.0	189.6	76.9	6.0	6.0	8.9	4.1	0.01286	132	1,390	774
P0045	C.E. VU-40 INCIN #2	2.1	149.4	68.7	5.1	5.1	10.1	1.7	0.01561	20	1,394	726
P0046	C.E. VU-40 INCIN #3	13.5	175.7	79.7	2.7	2.7	5.9	3.1	0.00280	118	1,530	711
R0260	P&W FT4A-9 TURBINE 11A	0.0	1.6	0.0	0.1	0.1	0.0	0.1	0.00003	0	184	1
R0261	P&W FT4A-9 TURBINE 11B	0.0	1.8	0.0	0.2	0.2	0.0	0.1	0.00003	0	201	1
R0262	P&W FT4A-9 TURBINE 12A	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.00001	0	258	1
R0263	P&W FT4A-9 TURBINE 12B	0.0	0.5	0.0	0.1	0.1	0.0	0.0	0.00001	0	250	1
R0264	P&W FT4A-9 TURBINE 13A	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.00001	0	232	1
R0265	P&W FT4A-9 TURBINE 13B	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.00001	0	232	1
R0266	P&W FT4A-9 TURBINE 14A	0.0	0.9	0.0	0.1	0.1	0.0	0.1	0.00002	0	249	1
R0267	P&W FT4A-9 TURBINE 14B	0.0	0.9	0.0	0.1	0.1	0.0	0.1	0.00002	0	245	1

2020 Site Information:

Site Name: HAMILTON SUNDSTRAND CORP EIS ID: 753011 CT ID: T213P0002C00130 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	STAHL AIR HEATER F26A 'F'	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	3	1
E0042	1MW Black Start Emergency Engine A	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	1	11	2
E0043	1MW Black Start Emergency Engine B	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	0
E0045	F0598 Rockhard Booth	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	8	0	0
E0046	Grouped Emergency Engines	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.00000	21	267	57
E0047	Cummins 20kW Emergency Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0048	Cummins 200kW Emergency Engine	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	13	167	36
E0049	E63847 Vapor Degreaser Non-exempt VOC	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0050	Volvo TWD1643 GE 600kW Tier IV Emergency Generator	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.00000	5	1	12
E0051	BLR Victory Energy #6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.00000	1	21	18
E0052	Volvo TWD1672 GE 550kW Tier IV Emergency Generator	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.00000	7	1	16
P0043	ALUMINUM COATING PROCESS	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0044	4 SPRAY BOOTHS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0047	ENGINE TEST CELL E P-0047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0058	1A EMERGENCY GEN 500KW	0.1	0.8	0.2	0.1	0.1	0.0	0.0	0.00000	31	386	83
P0085	BINKS SPRAY BOOTH #1/ELEC OVEN	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0086	BINKS SPRAY BOOTH #2/ELEC OVEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0115	Cogeneration Facility P115	0.6	1.4	0.7	4.1	4.1	0.2	4.3	0.00001	3	8	4

2020 Site Information:

Site Name: HAMILTON SUNDSTRAND CORP (Continued) EIS ID: 753011 CT ID: T213P0002C00130 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0052	BLR RILEY #1	0.0	0.7	0.5	0.0	0.0	0.0	0.0	0.00000	1	25	17
R0054	BLR RILEY #3	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.00000	1	16	13
R0059	BLR CB 760-500, B3 #2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0060	BLR CB 760-500, B3 #1	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0094	JET ENG, TEST CELL D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0097	JET ENG,HLTP ALLISON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0005	THINNING SOLVENTS: ISOPROPYL ALCOHOL	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	16	0	0
U0006	THINNING SOLVENTS: METHYL ALCOHOL	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0007	THINNING SOLVENTS: MEK	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
U0008	THINNING SOLVENTS: MINERAL SPIRITS	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	27	0	0
U0009	THINNING SOLVENTS: TOLUENE	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
U0010	UNREG MISC VOC EVAP	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	8	0	0

2020 Site Information:

Site Name: FIRESTONE BUILDING PRODUCTS CO EIS ID: 769211 CT ID: T026P0019C06579 SIC Code: 3086
Address: 780 JAMES P CASEY RD, BRISTOL, CT Latitude: 41.69426 Longitude: -72.982332
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Miscellaneous Fuel Burning	0.1	1.0	0.9	0.1	0.1	0.0	0.0	0.00001	0	3	2
E0002	Co-Gen (Natural Gas Combustion)	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.00000	0	5	1
P0045	FOAM BOARD INSUL MFG	41.4	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	243	1	1

2020 Site Information:

Site Name: Capitol District Energy Center Cogeneration Associates EIS ID: 844911 CT ID: T075P0766C08310 SIC Code: 4911
Address: 490 CAPITOL AVE, HARTFORD, CT Latitude: 41.762486 Longitude: -72.691
County: HARTFORD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	BLR 2 CLEAVER BROOKS CBI-400-800-200	0.1	2.9	1.5	0.4	0.4	0.0	0.0	0.00002	1	14	7
E0002	BAC-Pritchard Model #7454-858-4 Cooling Tower	0.0	0.0	0.0	1.2	0.7	0.0	0.0	0.00000	0	0	0
E0003	Diesel Powered Boiler Feed Water Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	Centrifugal Chillers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0064	GE PG6531 GAS TURB & DUCT BRNR	0.0	5.1	1.6	0.1	0.1	0.0	0.0	0.00000	4	391	181
P0065	BLR ZURN 22M KEYSTONE	0.2	2.3	1.0	0.3	0.3	0.0	0.0	0.00002	0	0	0
P0150	DETROIT 12V-71-IT DIESEL	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	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	0.00000	0	0	0

2020 Site Information:

Site Name: STANLEY TOOLS DIV EIS ID: 918811 CT ID: T110P0282C00110 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	BOILER #1 IBW BF350C-W12	0.0	0.7	0.6	0.1	0.1	0.0	0.0	0.00000	0	0	0
E0002	BOILER #2 IBW BF350C-W12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	ADHESIVE CLEANING TANK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	OFF-SET PRINTERS (EU 13-16)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	MTL COIL LAMINATORS/GAS OVEN (EU 23-25)	0.1	1.3	1.1	0.0	0.0	0.0	0.0	0.00001	1	7	6
E0011	NATURAL GAS CRACKING UNITS	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0013	HARDENING AND TEMPERING LINE	0.1	1.3	1.1	0.0	0.0	0.0	0.0	0.00001	0	7	6
E0014	HEAT TREAT LINE (Furnace #95)	2.6	43.8	36.8	1.3	1.3	0.3	0.2	0.00022	0	0	0
E0019	COLD FORMING MACHINES	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	14	0	0
E0020	TRIM KNIFE BLADE UNITS	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0024	Cleaning Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0025	Carbide Application	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0012	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN L#3	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	132	0	0
P0013	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN L#4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	51	0	0
P0019	REVERSE ROLL COATING LINE w/ INFRA-RED TAPE OVEN L#5	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	127	0	0
U0002	REVERSE ROLL COATING LINE #1 W/GAS OVEN	11.2	0.4	0.4	0.0	0.0	0.0	0.0	0.00000	88	2	2

2020 Site Information:

Site Name: Connecticut Jet Power LLC, Torrington Terminal EIS ID: 16708411 CT ID: T183P0043C07741 SIC Code: 4911
Address: South Main Street, TORRINGTON, CT Latitude: 41.77627 Longitude: -73.12134
County: LITCHFIELD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	Nox	CO
R0068	P&WA FT4A-8 TURBINE	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.00004	0	181	1

2020 Site Information:

Site Name: Connecticut Jet Power LLC, Franklin Drive EIS ID: 16712111 CT ID: T183P0024C07741 SIC Code: 4911
Address: Franklin Drive, TORRINGTON, CT Latitude: 41.798916 Longitude: -73.116272
County: LITCHFIELD Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0067	P&WA FT4-8 TURBINE	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.00002	0	102	0

2020 Site Information:

Site Name: KIMBERLY-CLARK CORP EIS ID: 845911 CT ID: T130P0006C01672 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	MULTIFOLDER #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	MULTIFOLDER #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	POCKET PACK LINES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	INK PRINTING OPERATIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	FIRE PUMP #1 - RIVER	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0011	FIRE PUMP #2 - SOUTH	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	FIRE PUMP #3 - NORTH	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	RAW WATER TREATMENT PLANT - CHEMICALS USED	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	14	0	0
E0014	EFFLUENT TREATMENT PLANT - CHEMICALS USED	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	19	0	0
E0015	EMERGENCY GENERATOR #1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	EMERGENCY GENERATOR #2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0017	EMERGENCY GENERATOR FOR FIRE PROTECTION WATER BED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0018	Emergency Generator (ETP)	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0019	TM Make-up Air-Hood Burner	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0014	TISSUE MACHINE #2 HOOD BURNERS	1.1	0.8	7.7	0.4	0.4	0.0	0.0	0.00003	5	4	39
P0026	TISSUE MACHINE #1 HOOD BURNERS	1.0	0.6	7.2	0.4	0.4	0.0	0.0	0.00002	6	4	40
P0029	TISSUE MACHINES #1 AND #2, PROCESS	2.3	0.0	0.0	7.5	7.5	0.0	0.0	0.00000	13	0	0
P0033	OFF-LINE PRINTER/WINDER #1	0.1	0.0	0.0	0.2	0.2	0.0	0.0	0.00000	1	0	0

2020 Site Information:

Site Name: KIMBERLY-CLARK CORP (Continued) EIS ID: 845911 CT ID: T130P0006C01672 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

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
P0070	COMBUSTION TURBINE #1 W/SUPP BURNER	0.1	4.5	1.0	3.1	2.2	0.4	4.4	0.00000	1	24	4
P0071	COMBUSTION TURBINE #2	0.2	16.0	0.2	3.7	2.9	0.4	0.0	0.00000	1	86	1
R0019	BOILER #3	0.0	0.8	0.4	0.0	0.0	0.0	0.0	0.00000	0	1	0
U0001	COLD CLEANER MAINTENANCE PARTS WASHERS	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
U0002	TOWEL PRINTER/WINDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: KLEEN ENERGY SYSTEM PROJECT EIS ID: 14622911 CT ID: T104P0246C08070 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	1214 hp Caterpillar C27 diesel emergency engine	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	5	94	52
E0002	1502 hp Caterpillar C32 diesel emergency engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	13	7
E0003	1490 hp Cummins QST30-G5 diesel emergency engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	252 hp Cummins CFP83-F30 diesel Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	10	10
P0131	SIEMENS SGT6-5000F TURBINE #1	0.8	21.4	7.8	4.4	4.4	1.9	1.1	0.00000	0	267	16
P0133	SIEMENS SGT6-5000F TURBINE #2	1.6	22.1	8.5	4.5	4.5	1.9	2.7	0.00000	1	264	44
P0134	73.5 MMBTU/HR AUX BOILER	0.1	0.9	1.8	0.2	0.2	0.1	0.0	0.00001	0	1	1

2020 Site Information:

Site Name: MATTABASSETT DISTRICT EIS ID: 17876611 CT ID: T043P0012C00562 SIC Code: 4952
Address: 245 MAIN ST, CROMWELL, CT Latitude: 41.582581 Longitude: -72.651136
County: MIDDLESEX Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
		VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Camus01100MG1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	Prestige Solo 250	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0005	5 Small Nat Gas Boilers	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0006	Gasoline Dispensing Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0030	1.5 TPH Infilco Degremont Fuidized Bed SSI - NSR Permit 30	0.3	4.8	0.5	0.5	0.5	0.0	0.0	0.00003	1	20	0
P0037	Cummins KTA50 Diesel G-9#1 (Formerly E0003)	0.0	0.7	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0038	Cummins KTA50 Diesel G-9#2 (Formerly E0004)	0.0	0.7	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	0
R0044	ALCO 12-251C DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	5	1

2020 Site Information:

Site Name: ALGONQUIN GAS TRANSMISSION (Cromwell) EIS ID: 2706711 CT ID: T043P0005C08820 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	Maxon Heater 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	Maxon Heater 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	Waukesha VGF48GL Emergency Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	3	4
E0009	Gas Tech Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0005	SOLAR T-4700 TURBINE	0.6	1.2	5.2	0.1	0.1	0.1	0.0	0.00000	22	70	212
P0006	SOLAR T-4700 TURBINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0031	Solar 100-16002S4 Turbine 13.5 MW	0.3	7.1	3.9	0.5	0.5	1.5	0.0	0.00000	9	46	158
P0035	Solar Taurus 60	0.6	3.4	5.7	0.6	0.6	1.8	0.0	0.00000	9	35	83
P0036	Solar Centaur 50	0.3	1.1	2.8	0.1	0.1	0.5	0.0	0.00000	8	33	87
R0011	C-B GAS COMPRESSOR 44688	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0012	C-B GAS COMPRESSOR 44687	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0013	C-B GAS COMPRESSOR 44843	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0014	C-B GAS COMPRESSOR 44844	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0015	C-B GAS COMPRESSOR 45675	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0016	C-B GAS COMPRESSOR 45676	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0001	UNREG VOC FUGITIVE EMISSIONS	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	75	0	0

2020 Site Information:

Site Name: MIDDLETOWN POWER LLC EIS ID: 715711 CT ID: T104P0024C07741 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	CB BOILER (GLYCOL) #1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	CB BOILER (GLYCOL) #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0002	Unit 4A (EU-4) Aux Boiler	0.7	8.4	2.7	1.0	1.0	0.1	0.4	0.00007	3	39	13
P0003	BLR C.E. #4	0.8	32.5	3.8	4.9	4.9	44.9	0.6	0.00114	0	0	0
P0144	GE LM6000 Turbine 50 MW - Unit 12	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.00004	4	12	6
P0145	GE LM6000 Turbine 50 MW - Unit 13	0.0	0.6	0.2	0.1	0.1	0.0	0.0	0.00009	4	17	9
P0146	GE LM6000 Turbine 50 MW - Unit 14	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.00007	3	13	4
P0147	GE LM6000 Turbine 50 MW - Unit 15	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.00006	3	13	5
R0098	BLR RILEY #2	3.8	51.7	57.9	4.1	4.1	2.3	12.4	0.00035	86	1,576	1,311
R0100	BLR B&W (CY) #3	5.5	148.7	84.6	5.8	5.8	5.3	0.8	0.00051	162	2,969	2,473
R0102	P&W FT4A-8 TURBINE	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.00003	0	231	1

2020 Site Information:

Site Name: PRATT & WHITNEY DIV UTC EIS ID: 920511 CT ID: T104P0007C00130 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	KOHLER DIESEL BT 805753	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	1	12	3
E0136	TEST CELL NO. P-1	0.0	3.3	0.3	0.0	0.0	0.3	0.0	0.00000	0	0	0
E0137	TEST CELL NO. P-2	0.0	92.3	8.0	0.4	0.4	9.3	0.0	0.00000	0	652	56
E0138	TEST CELL NO. P-3	0.1	13.7	1.3	0.1	0.1	0.6	0.0	0.00000	0	314	22
E0139	TEST CELL NO. P-4	0.1	37.7	2.6	0.0	0.0	1.4	0.0	0.00000	0	288	20
E0140	TEST CELL NO. P-5	0.1	39.4	2.7	0.0	0.0	1.5	0.0	0.00000	0	312	21
E0141	TEST CELL NO. P-6	0.0	28.7	2.0	0.0	0.0	1.1	0.0	0.00000	0	272	19
E0142	TEST CELL NO. P-7	0.4	17.0	4.7	0.4	0.4	0.7	0.0	0.00000	10	441	122
E0143	TEST CELL NO. P-8	0.0	28.0	1.9	0.0	0.0	1.1	0.0	0.00000	1	500	34
E0144	CUMMINS DIESEL BT 475613	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	11	2
E0145	CUMMINS DIESEL BT 479648	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0146	CUMMINS DIESEL BT 457374	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	9	2
E0147	CUMMINS DIESEL BT R49397	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
E0149	CUMMINS DIESEL BT 475299	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0150	CUMMINS DIESEL BT 475300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0151	CUMMINS DIESEL BT 479031	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0152	CUMMINS DIESEL BT 805751	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0153	CUMMINS DIESEL BT 801206	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1

2020 Site Information:

Site Name: PRATT & WHITNEY DIV UTC (Continued) EIS ID: 920511 CT ID: T104P0007C00130 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0154	CUMMINS DIESEL BT 481931	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
P0027	FT-4 TURBINE DRIVE ENG X960	0.0	1.3	0.1	0.2	0.2	0.2	0.0	0.00011	0	0	0
P0028	INLET AIR HEATER X960 #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0029	INLET AIR HEATER X960 #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0030	COMB TEST RIG X960	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00002	0	0	0
P0036	BLR CB-D68 #4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	1
P0062	GG-8 GAS TURBINE ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0073	BINKS WW SPRAY BOOTH (BT538582)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0077	CUMMINS DIESEL BT 463875	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	1	7	1
P0078	ONAN DIESEL BT 465440	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	1
P0126	ATR paint spray booth (BT541944)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
P0139	ATR paint spray booth (BT542361)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0140	RENTECH BOILER No. 5	0.0	0.3	0.3	0.1	0.1	0.0	0.0	0.00000	2	13	12
P0141	RENTECH BOILER No. 6	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	2	13	11
P0142	SOLAR TAURUS 70 GAS TURBINE	0.7	1.9	41.7	2.1	2.1	0.2	2.0	0.00000	4	12	251
P0153	ATR Industries Open Spray Booth	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00024	1	0	0
U0002	MISC METAL PARTS COATINGS	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	24	0	0

2020 Site Information:

Site Name: UNITED ALUMINUM CORP EIS ID: 14623211 CT ID: T135P0117C05244 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Cummins-Onan Diesel Emergency Engine	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0002	WW Cummins - Onan NG Emergency Engine	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.00000	0	2	3
E0003	Office Cummins - Onan NG Emergency Engine	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.00000	0	2	4
E0004	Branson Ultrasonics Vapor Degreaser Model B1950R	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
P0113	ANNEALING FURNACE #1	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	1
P0114	ANNEALING FURNACE #2	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0115	ANNEALING FURNACE #3	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0116	ANNEALING FURNACE #11	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0136	ALUM ROLLING MILL Z-23 & Z-	32.2	0.0	0.0	0.8	0.8	0.0	0.0	0.00000	129	0	0

2020 Site Information:

Site Name: ALGONQUIN GAS TRANSMISSION LLC EIS ID: 14623311 CT ID: T144P0018C08820 SIC Code: 4922
Address: 40 WOODRUFF HILL RD, OXFORD, CT Latitude: 41.484973 Longitude: -73.121794
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Waukesha VGF24GL 585 bhp Emergency Generator	0.4	0.8	0.7	0.0	0.0	0.0	0.0	0.00000	82	162	136
E0002	Piping component Leaks	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	40	0	0
E0003	Gas Releases & Fugitives	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
P0019	SOLAR MARS 100-15000 TURBINE	2.1	7.5	19.9	1.4	1.4	3.0	0.0	0.00000	26	80	307
P0020	SOLAR MARS 100-15000 TURBINE 3 (formerly identified as 2 in EMIT)	0.9	2.8	9.7	0.6	0.6	1.2	0.0	0.00000	26	74	305
P0021	SOLAR TAURUS 60-7800 TURBINE 2 (formerly identified as 3 in EMIT)	0.9	2.5	8.3	0.4	0.4	0.8	0.0	0.00000	18	47	167
P0029	Solar Taurus 60-7802 Turbine/Natural Gas Compressor	0.3	0.9	2.5	0.1	0.1	0.4	0.0	0.00000	9	35	82

2020 Site Information:

Site Name: Wallingford Energy LLC EIS ID: 14624011 CT ID: T189P0114C08691 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Black Start Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0194	GE LM6000 SIMP CYCLE	0.5	1.3	2.0	0.6	0.6	0.1	0.5	0.00000	8	22	43
P0195	GE LM6000 SIMP CYCLE	0.4	1.0	1.5	0.9	0.9	0.1	0.4	0.00000	7	17	35
P0196	GE LM6000 SIMP CYCLE	0.4	1.0	1.7	0.7	0.7	0.1	0.4	0.00000	7	18	35
P0197	GE LM6000 SIMP CYCLE	0.4	1.1	1.4	0.8	0.8	0.1	0.4	0.00000	8	19	32
P0198	GE LM6000 SIMP CYCLE	0.4	0.9	1.3	0.6	0.6	0.1	0.2	0.00000	8	17	34
P0199	CB BLR MDL CB(LE) 700-800-125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0246	GE LM6000 Simple Cycle Jet Turbine	0.1	1.3	0.4	0.6	0.6	0.1	0.2	0.00000	1	20	6
P0247	GE LM6000 Simple Cycle Jet Turbine	0.1	1.3	0.4	0.5	0.5	0.1	0.2	0.00000	1	20	6

2020 Site Information:

Site Name: PIERCE GENERATING STATION (Wallingford) EIS ID: 14624411 CT ID: T189P0114C08224 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0234	GE COMBUSTION TURBINE	0.0	0.7	0.5	0.1	0.1	0.0	0.0	0.00002	1	40	30

2020 Site Information:

Site Name: WATERBURY GENERATION, LLC EIS ID: 15588211 CT ID: T192P0005C08468 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	ULSK Tank-1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0300	GE LMS100PA SIMPLE CYCLE TURBI	0.1	1.5	0.2	0.5	0.5	0.1	0.5	0.00000	3	39	5

2020 Site Information:

Site Name: ROEHM AMERICA LLC EIS ID: 15588611 CT ID: T189P0027C08840 SIC Code: 2821
Address: 528 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

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
		VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	FURNACE #3,B-10	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0005	FLUID BED OVEN #1(B45),#2(B22)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0029	RE 400 KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0030	RE 402B KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0035	TA-952 Toluene Stillbottoms	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0036	Cooling Tower	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0
P0011	EXTRUDER EX-102, B-10	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	8	0	0
P0082	ONAN EMERGEN GEN 275DFBF	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	12	0
P0097	UNDERGROUND STORAGE TANK T-951 Acrylonitrile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0098	UST-950 Methyl Methacrylate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0213	EXTRUDER EX-302, B-10	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
R0214	EXTRUDER EX-402, B-10	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	9	0	0
R0221	RE 100 KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0222	RE 300 KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0223	RE 102B KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0224	RE 302B KETTLE,B-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0233	TA802 SOLV REC TKB10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0246	EXTRUDER 1008/7, B-10A	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0

2020 Site Information:

Site Name: ROEHM AMERICA LLC (Continued) EIS ID: 15588611 CT ID: T189P0027C08840 SIC Code: 2821
Address: 528 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
U0004	FUGITIVES,B-10	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	26	0	0
U0005	Grouped Emitting Unit (GEU-01)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
U0006	MISC,B-10A	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0

2020 Site Information:

Site Name: Connecticut Jet Power LLC, Branford Substation EIS ID: 16708311 CT ID: T014P0004C07741 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0008	P&WA FT4A-8 TURBINE #10	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.00001	0	125	1

2020 Site Information:

Site Name: Waterbury Water Pollution Control Facility EIS ID: 17876411 CT ID: T192P0065C00253 SIC Code: 4952
Address: 210 Municipal Road, WATERBURY, CT Latitude: 41.520583 Longitude: -73.042866
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	HEATING BOILERS (12)	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0002	Clear Fire Auxiliary Boiler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	THREE (3) NATURAL GAS FUEL CELLS	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0134	Spronz Pathological Incinerator	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	1	1	0
P0138	BLR KEWANEE H35-500-HGO2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	6	5
P0140	DORR-OLIVER FLUIDIZED BED	0.1	7.0	1.9	0.1	0.1	23.5	0.0	0.00018	1	39	11
P0291	MITSUBISHI EMERGENCY GEN #1	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	0	11	3
P0292	MITSUBISHI EMERGENCY GEN #2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	1	39	10

2020 Site Information:

Site Name: OMI WEST HAVEN /WPCF (S.S.I.) EIS ID: 17876511 CT ID: T203P0146C02442 SIC Code: 4952
Address: 2 BEACH STREET, WEST HAVEN, CT Latitude: 41.26555 Longitude: -72.932323
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0014	D-O HWB-11 FLUIDIZED BED SSI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: TOWANTIC ENERGY LLC EIS ID: 18867011 CT ID: T144P0014C08677 SIC Code: 4911
Address: WOODRUFF HILL RD, OXFORD, CT Latitude: 41.483195 Longitude: -73.123043
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0023	GE 7HA Turbine W HRSG #1	0.2	49.0	0.6	6.7	6.7	0.4	10.6	0.00166	2	308	2
P0024	GE 7HA Turbine W HRSG #2	0.5	53.5	2.7	7.6	7.6	0.4	12.4	0.00182	4	300	33
P0025	Nebraska Boiler NB-300D-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	3	0
P0026	Emergency Diesel Engine 1500KW	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	44	12
P0027	Fire Pump Engine Diesel 350 BHP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	19	5

2020 Site Information:

Site Name: MILFORD POWER CO, LLC EIS ID: 2708911 CT ID: T105P0251C07780 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	3 EMERGENCY GENERATORS (DIESEL)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	8	81	17
P0068	ABB GT-24, UNIT #1 CC TURBINE	7.3	54.5	40.1	19.6	19.6	3.9	42.9	0.00000	41	313	259
P0069	ABB GT-24, UNIT #2 CC TURBINE	4.2	44.4	17.2	21.6	21.6	3.8	26.0	0.00000	25	252	126
P0087	MARLEY COOLING TOWER	0.0	0.0	0.0	9.1	9.1	0.0	0.0	0.00000	0	0	0
P0089	1.2 MMGAL #2 OIL STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: GREATER NEW HAVEN WPCA EIS ID: 2709611 CT ID: T117P0960C08281 SIC Code: 4952
Address: 345 EAST SHORE PARKWAY, NEW HAVEN, CT Latitude: 41.282927 Longitude: -72.897146
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
		VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	2 MW Emergency Generator #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1
E0002	2 MW Emergency Generator #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0035	SEWAGE SLUDGE INCINERATOR	0.9	23.5	16.5	1.5	1.5	5.2	0.0	0.00023	5	130	91
P0053	BLR HB SMITH N2002-68 (New boiler)	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0080	BLR HB SMITH N2002-67 (New boiler)	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: AMETEK SPECIALTY METAL PRODUCT EIS ID: 2711211 CT ID: T189P0076C06012 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0013	COMPACT MILL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0018	30 CUFT BLENDER	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0
E0019	NX 1000 GRINDER #301	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0020	POWDER SCREEN(SWECO WRHSE AREA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0021	SINTER FURNACE #1 NX-	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.00000	0	0	0
E0022	SWECO SCREEN #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0023	SWECO SCREEN #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0024	24"" SWECO SCREEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0029	GRINDER ROTARY FINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0030	SINTER FURNACE (ANNEAL & CRUSH- GEU2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0031	SWECO SCREEN #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0032	60"" SWECO SCREEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0039	VAUGHGN WIRE DRAWING MACHINE 553-1- GEU3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0041	SLITTER #1- GEU5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
E0044	VAUGHGN WIRE DRAWING MACHINE 552- GEU3	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0
E0045	SLITTER #2- GEU5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	9	0	0

2020 Site Information:

Site Name: AMETEK SPECIALTY METAL PRODUCT (Continued) EIS ID: 2711211 CT ID: T189P0076C06012 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

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
E0046	SLITTER #12- GEU5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	8	0	0
E0086	Sunbeam Elevator 331-1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0087	Haper Elevator SN X37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0088	Harper Sinter Elevator P25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0089	Drever Muffle Annealing S/N 379500	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0090	Radcon Bell Annealing Furnace	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0091	Drever Muffle Annealing S/N 3400	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	2	2
E0092	Drever Sinter S/N 3403	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.00000	0	3	3
E0093	Drever Anealing Furnace S/N 3716	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	3	3
E0094	Miscellaneous Building Heaters	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0217	BARON BLAKESLEE DEGREASER-GEU4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	22	0	0
P0218	DREVER FURNACE IN-LINE DEGRSR- GEU4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0248	10 CUFT BLENDER-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0249	STRIP BELT GRINDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0241	Ultra-Kool Vapor Degreaser	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	53	0	0

2020 Site Information:

Site Name: Equilon Enterprises, LLC d/b/a Shell Oil Products US EIS ID: 555511 CT ID: T117P0053C08822 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0802	Non Reg Tanks	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	11	0	0
E0803	MISC Fuel Oil Combustion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0804	TANK #21 GAS	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	38	0	0
E0805	Diesel Sources, Generator and Two Fire Pumps	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0135	TANK #24 GAS	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	35	0	0
P0136	TANK #25 ETHANOL	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0137	TANK #26 GASOLINE	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	15	0	0
P0138	TANK #28 - ETHANOL	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
P0139	GASOLINE LOADING RACK	15.9	0.3	1.8	0.0	0.0	0.0	0.0	0.00000	99	2	9
R0198	TANK #29 GAS	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	8	0	0
R0199	TANK #30 - JP-8 (Domed External)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0200	TANK #31 Gasoline Blendstock	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	14	0	0
R0201	TANK #32 Gasoline Blendstock	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	31	0	0
R0202	TANK #33 GAS (Domed External)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0203	TANK #38 - LS Diesel	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	9	0	0
R0204	TANK 1 GASOLINE (Domed	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
R0205	TANK 2 GAS (Domed External)	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0206	TANK 3 GAS (Domed External)	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0

2020 Site Information:

Site Name: Equilon Enterprises, LLC d/b/a Shell Oil Products US (Continued) EIS ID: 555511 CT ID: T117P0053C08822 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
U0001	UNREG MISC VOC EVAPORATION	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	9	0	0

2020 Site Information:

Site Name: NEW HAVEN TERMINAL, INC EIS ID: 555611 CT ID: T117P0120C01457 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0003	TANK #7E- EMPTY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	TRUC LOADING RACK-DISTI/CHEMIC	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0005	TANK #16 - Feedstock (Capacity 406,896 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0006	TANK #30 - Feedstock (Capacity 822,318 gal)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0430	TANK #1 -#2 OIL (Capacity 4,403,028 gal)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0431	TANK #2 - ULSD (Capacity 4,857,930 gal)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0432	TANK #3 - # 2 OIL (Capacity 1,214,430 gal)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0433	TANK #4 - ULSD (Capacity 3,258,990 gal)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0434	TANK #6 - Biofuel (Capacity 3,258,990 gal)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0435	TANK #7 - Biofuel (Capacity 419,006 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0436	TANK #8 - Biofuel (Capacity 201,810 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0438	TANK #13 -ULSD (Capacity 822,822 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0439	TANK #14 -(EMPTY) (Capacity 205,212 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0440	TANK #15 -ULSD (Capacity 827,778 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0441	TANK #17 - Distillate (Capacity 449,820 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0442	TANK #18 - Methanol (Capacity 797,034 gal)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0

2020 Site Information:

Site Name: NEW HAVEN TERMINAL, INC (Continued) EIS ID: 555611 CT ID: T117P0120C01457 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0443	TANK #19 - Methanol (Capacity 421,722 gal)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0444	TANK #20 - Diesel (Capacity 617,904 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0445	TANK #21 - ULSD (Capacity 621,054 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0446	TANK #22 - Diesel (Capacity 1,648,626 gal)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0447	TANK #23 - Biofuel (Capacity 620,844 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0448	TANK #24 - Vegetable Oil (Capacity 415,884 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0449	TANK #25 - Biofuel (Capacity 431,760 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0450	TANK #26 - Styrene (Capacity 626,052 gal)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0451	TANK #27 - Diesel (Capacity 1,363,824 gal)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0452	TANK #28 - Diesel (Capacity 1,765,722 gal)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0453	TANK #29 - Diesel (Capacity 1,764,840 gal)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
R0454	TANK #1E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0455	TANK #2E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0456	TANK #3E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0457	TANK #4E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0458	TANK #5E -(EMPTY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: SOMERS THIN STRIP EIS ID: 555711 CT ID: T192P0053C08474 SIC Code: 3351
Address: 215 PIEDMONT ST, WATERBURY, CT Latitude: 41.53531 Longitude: -73.031553
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	AIR MAKE-UP UNITS	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	#21 FURNACE ANNEALING LINE (R-0917)	0.1	1.4	1.2	0.1	0.1	0.0	0.0	0.00001	0	6	5
E0006	BLR CB CBLE700-250-150 #6	0.1	1.1	0.9	0.1	0.1	0.0	0.0	0.00001	0	3	3
E0007	#26 Bell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	#21 FURNACE EMERGENCY GENERATOR	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	THINNING SOLVENTS: ALCOHOL	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	16	0	0
P0201	WWTP EMERGENCY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0247	FIRE PUMP EMERGENCY GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0638	BLR PREFERRED BHER80 #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0640	BLR PREFERRED BHER150 #4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0808	#15 FURNACE AND DEGREASER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0813	#4 DEGREASING LINE -MC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0002	THINNING SOLVENTS: KEROSENE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0

2020 Site Information:

Site Name: DEVON POWER, LLC EIS ID: 590011 CT ID: T105P0014C07741 SIC Code: 4911
Address: 734 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0026	P&W FT4A-8 TURBINE #10	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.00004	0	212	1
P0040	GE LM6000 TURBINE #11	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.00004	1	117	59
P0041	GE LM6000 TURBINE #12	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.00003	1	98	45
P0042	GE LM6000 TURBINE #13	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.00003	1	94	45
P0043	GE LM6000 TURBINE #14	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.00003	1	74	33
P0098	GE LM6000PC TURBINE #15	0.0	1.1	0.0	0.2	0.2	0.0	0.0	0.00013	7	129	4
P0099	GE LM6000PC TURBINE #16	0.0	1.0	0.0	0.1	0.1	0.0	0.0	0.00013	7	127	4
P0100	GE LM6000PC TURBINE #17	0.0	0.5	0.0	0.2	0.2	0.0	0.0	0.00011	5	96	2
P0101	GE LM6000PC TURBINE #18	0.0	0.9	0.0	0.1	0.1	0.0	0.0	0.00013	6	127	3

2020 Site Information:

Site Name: PSEG FOSSIL LLC/ POWER CT LLC EIS ID: 643411 CT ID: T117P0551C08087 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	SOLAR GS350 EMERGENCY ENGINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0002	Cummins Emergency Engine	0.5	4.7	1.0	0.3	0.3	0.0	0.0	0.00000	11	118	25
E0003	Fire Pump Engine	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
P0021	B&W STEAM GENERATOR 2	0.0	2.1	0.7	0.3	0.2	0.8	0.1	0.00018	0	33	11
P0031	C.E. STEAM GENERATOR 1	0.5	4.1	2.0	0.5	0.5	2.7	0.3	0.00001	194	911	877
P0373	50MW GE LM6000PC Combustion Turbine 1	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00010	4	59	10
P0374	50MW GE LM6000PC Combustion Turbine 2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00005	2	35	6
P0375	50MW GE LM6000PC Combustion Turbine 3	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00011	3	32	8

2020 Site Information:

Site Name: Allnex USA, Inc EIS ID: 658111 CT ID: T189P0027C08763 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0003	MIXED ALCOHOLS RECOVERY, B-5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
E0004	CS-MISC. EMERGENCY GENERATORS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0007	RESINS COOLING TOWERS	0.0	0.0	0.0	4.4	4.4	0.0	0.0	0.00000	0	0	0
E0009	WELL #4 EMERG GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	KETTLE 150-1, B-5B	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0013	MIXING TANK 150-2, B-5B	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.00000	0	0	0
E0014	FURNACE 608-1, B-5B	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0016	B. REACTOR 102-1, B-5B	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
E0017	METH/FORMALDEHYD RECOVERY, B-6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0018	REACTOR TRAINS 103, 104, 106	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
E0020	BLEND TANK 106-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0022	BLEND TANK 106-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0026	USTs 551 & 553 CYMEL 1133 Distillate (n-BuOH/MeOH) & Formaldehyde Enriched Butanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0027	UNDRGRND STORAGE TANKS 511 512 Methanol	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0028	UST (T-561) Cymel 1133 Distillate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0031	200 Reactor Hot Oil Furnace	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0032	MONMACT RTO	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0033	REACTOR TRAIN 200	0.3	0.0	0.0	0.0	0.0	0.0	1.0	0.00000	1	0	0

2020 Site Information:

Site Name: Allnex USA, Inc (Continued) EIS ID: 658111 CT ID: T189P0027C08763 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0034	Phenolic Resins Manufacturing Train	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0075	KOHLER 1500ROZD DIESEL	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0189	EMERG AIR COMPRESSOR ENGINE B2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
R0108	BLR MURRAY #1	0.2	2.7	3.4	0.3	0.3	0.0	0.1	0.00002	1	17	21
R0110	BLR RILEY #3	0.7	24.9	10.5	0.9	0.9	0.1	0.4	0.00006	2	69	38
R0150	REACTOR TRAINS 101,102,120	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
R0182	REACTOR TRAINS 61/62 & 65/68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0201	REACTOR TRAIN 104-34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	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	0.00000	0	0	0
U0007	RESINS MISC, STORAGE TANKS	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
U0008	RESINS MISC, FUGITIVES	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
U0009	CS-WWTP	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	127	0	0
U0010	CS-LANDFILL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0011	CS-MISC. TKS.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: Buckeye PT Terminals, L.P. (Waterfront Terminal) EIS ID: 843211 CT ID: T117P0519C08494 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	TRUCK LOAD RACK - DISTILLATE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
E0002	TANK #208 -Jet Kerosene	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	TANK #213-DISTILLATE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	10	0	0
E0004	TANK #216-DISTILLATE	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0005	TANK #217-DISTILLATE	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	5	0	0
E0006	TANK #1A -FUEL OIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	Equipment Fugitives - Product Distribution System	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
E0011	BOILER	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	Barge Dock Distillate Loading	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	Tank # 218	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	23	0	0
E0018	Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0810	Tank # 202 - Gasoline	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	14	0	0
R0811	Tank # 215 - Gasoline	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	43	0	0
R0812	Tank # 209 - Gasoline	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	13	0	0
R0813	Tank # 212 - Gasoline	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	4	0	0
R0814	Tank # 210 - Gasoline	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	11	0	0
R0815	TRUCK LOAD RACK GASLNE & ETHNL	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	76	0	0

2020 Site Information:

Site Name: Buckeye PT Terminals, L.P. (Waterfront Terminal) (Continued) EIS ID: 843211 CT ID: T117P0519C08494 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0979	Tank # 206 - Ethanol	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
R1005	Tank # 201 - Ethanol	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
R1006	Tank # 214 - Gasoline/ Naphtha	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	58	0	0

2020 Site Information:

Site Name: YALE UNIV /CENTRAL POWER PLT EIS ID: 843911 CT ID: T117P0048C00205 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0006	EMU 21 POLICE EMERG GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0008	GEMU2 - Boilers =>5 MMBTU <10 MMBTU	0.0	0.8	0.7	0.1	0.1	0.0	0.0	0.00000	0	1	1
E0010	55 Lock St Generator	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	5	3
E0011	DG-4 CATERPILLAR 3516C	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0374	1022 Chapel St Generator	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	5	1
E0375	67-81 Howe St Generator	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	6	61	13
P0207	MITSUBISHI MODEL S16R-PTA,CPG1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0208	MITSUBISHI MODEL S16R-PTA,CPG2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0209	MITSUBISHI MODEL S16R-PTA,CPG3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0210	BLR NEBRASKA 100K	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	1
P0354	CUMMINS,NTA855-G2,300KW,HSC	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	0
P0371	BOILER #5	0.1	0.1	0.4	0.1	0.1	0.0	0.0	0.00001	0	0	1
P0372	BOILER #6	0.0	0.1	0.3	0.1	0.1	0.0	0.0	0.00000	0	0	1
P0377	Solar Taurus Model 70 Turbine 7.9 MW With Duct Burner	3.8	1.9	0.1	4.1	4.1	0.8	0.1	0.00005	24	11	0
P0378	Solar Taurus Model 70 Turbine 7.9 MW With Duct Burner	4.2	2.3	0.1	4.6	4.6	0.8	0.2	0.00009	28	14	0

2020 Site Information:

Site Name: Buckeye PT Terminals, L.P. (Forbes Terminal) EIS ID: 844411 CT ID: T117P0212C08494 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	TANK #11 - -Jet Kerosene	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0002	TANK #18 - DISTILLATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0003	TANK #25 - DISTILLATE	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	TANK #26 - DISTILLATE	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	8	0	0
E0005	PRODUCT DISTRIBUTION	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0007	Tank # 30 - Distillate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	Tank # 31 - Distillate/Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	Tank # 32 - Distillate/Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	Boiler No. 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0046	Tank # 20 - Gasoline	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	33	0	0
P0125	Tank # 22 - Gasoline	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	9	0	0
P0154	Tank # 29 - Ethanol	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0167	Tank # 21 - Gasoline	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	13	0	0
P0363	Gasoline, Ethanol, & Distillate Loading Rack w. VCU	1.6	1.8	4.6	0.0	0.0	0.0	0.0	0.00000	9	9	23
P0625	Tank # 24 - Ethanol	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0

2020 Site Information:

Site Name: Buckeye PT Terminals, L.P. (Forbes Terminal) (Continued) EIS ID: 844411 CT ID: T117P0212C08494 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0627	Tank # 27 - Gasoline	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	21	0	0
P0628	Tank # 28 - Gasoline	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	14	0	0
R0908	Tank # 23 - Gasoline	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	28	0	0

2020 Site Information:

Site Name: NEW HAVEN TERMINAL, INC EIS ID: 897811 CT ID: T054P0005C01457 SIC Code: 4226
Address: 119 FRONTAGE RD, EAST HAVEN, CT Latitude: 41.288262 Longitude: -72.893392
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0004	Distillate loading rack	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
P0001	TANK #114 (Capacity: 156,531 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0034	Truck Loading Rack	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0007	TANK #101 (Capacity 115,323 bbls)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
R0008	TANK #102 (Capacity 45,705 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0009	TANK #103 (Capacity 74,183 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0010	TANK #104 (Capacity 142,465 bbls)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
R0011	TANK #107 (Capacity 91,497 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0012	TANK #108 (Capacity 77,130 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0013	TANK #109 (Capacity 77,441 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0014	TANK #110 (Capacity 24,489 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0015	TANK #105 (Capacity 143,884 bbls)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	0	0
R0016	TANK #106 (Capacity 137,601 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0001	TANK #111 (Capacity 133,636 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0002	TANK #112 (Capacity 90,049 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0003	TANK #113 (Capacity 89,980 bbls)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0004	TANK #115 (Capacity 283,070 bbls)	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0

2020 Site Information:

Site Name: NAUGATUCK POTW EIS ID: 898011 CT ID: T109P0011C01307 SIC Code: 4952
Address: 500 CHERRY ST, NAUGATUCK, CT Latitude: 41.470333 Longitude: -73.053958
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	UNDERGROUND STORAGE TANK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0081	ZIMPRO FLUIDIZED BED SSI	1.1	7.2	9.6	1.5	1.5	1.9	0.0	0.00139	6	40	53

2020 Site Information:

Site Name: YALE UNIV, SCHOOL OF MEDICINE EIS ID: 898111 CT ID: T117P0049C00205 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	CATERPILLAR GENERATOR 3516B (SPP)	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	18	5
E0002	CATERPILLAR 3412, 500KW (YPI)	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	13	3
E0006	CATERPILLAR GENERATOR 3516 (TAC)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00000	0	15	3
E0008	BINKS 2001 HVLP SPRAYBOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0099	AMISTAD EMERGENCY GENERATOR	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.00000	1	38	10
E0100	100 Church St. South Boilers	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0105	BLR B&W #FM103-70 #8	0.1	1.6	1.6	0.1	0.1	0.0	0.0	0.00002	1	11	11
P0220	BLR NEBRASKA # NS-F-76 # 10	0.0	1.4	0.5	0.1	0.1	0.0	0.0	0.00002	0	14	5
P0223	KOHLER 60RZ, 60KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0225	CUMMINS VTA28-GS1, 500KW (YPB)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	10	3
P0326	BLR NEBRASKA #NS-F-76 #9	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00001	0	5	1
P0329	MITSUBISHI S12 H-PTAEG, MSG10 (SHMB)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00000	1	20	3
P0330	724HP MITSUBISHI S6A3-PTAEGS (BRADY)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	3	0
P0332	224HP MITSUBISHI6D24-TEG,MSG13 (SHMI)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0355	BLR NEB NOS-2A-81-ECON#11	0.0	1.2	0.9	0.0	0.0	0.0	0.0	0.00002	0	8	6
P0369	SPP COGEN UNIT #100	1.5	2.3	2.0	2.2	2.2	0.8	0.3	0.00007	4	15	6
P0370	SPP COGEN UNIT #200	2.3	2.4	1.2	1.9	1.9	0.8	0.2	0.00006	4	17	0

2020 Site Information:

Site Name: GULF OIL L.P. EIS ID: 918711 CT ID: T117P0088C06566 SIC Code: 5171
Address: 428-500 WATERFRONT ST, NEW HAVEN, CT Latitude: 41.29544 Longitude: -72.90342
County: NEW HAVEN Ozone Status Area: CT-NY-NJ CSA PM2.5 Status Area: CT-NY-NJ PM2.5 Maintenance Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	TANK #110 - ETHANOL	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
P0241	TRUCK LOAD RACK - GAS	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	127	0	0
P0243	TANK #113 - NL GAS	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	36	0	0
P0352	STORAGE TANK #112 (Used to be R#0313)	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	23	0	0
P0353	STORAGE TANK #114 (Used to be R#0316)	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	27	0	0
R0298	TANK #101 - NL GAS	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	26	0	0
R0312	TANK #111 - NL GAS	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	42	0	0
R0317	TANK #115 - ETHANOL	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0

2020 Site Information:

Site Name: The Gilman Brothers Company EIS ID: 15588311 CT ID: T013P0001C00362 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0005	Cleaver Brooks Boiler	0.0	0.5	0.1	0.1	0.0	0.5	0.0	0.00003	0	3	1
P0007	FOAM EXTRUSION LINE	33.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	315	0	0

2020 Site Information:

Site Name: AMERICAS STYRENICS, LLC EIS ID: 15588411 CT ID: T092P0002C08497 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	Emissions from Breathing and Filling Storage Tanks	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	31	0	0
E0040	Fire System Pump Diesel - Bldg. 41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0043	Fugitive Equipment Leaks	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
E0044	Silos	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.00000	0	0	0
E0045	Parts Washer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0006	DOWTHERM HEATER A	0.1	3.2	0.9	0.2	0.2	0.0	0.0	0.00005	1	18	5
P0007	DOWTHERM HEATER B	0.0	0.7	0.6	0.1	0.1	0.0	0.0	0.00000	0	2	2
P0010	PLANT E and G - POLYSTYRENE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	0	0
P0019	DETROIT DIESEL #9163-34167418	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	2	1

2020 Site Information:

Site Name: Tunnel Station EIS ID: 16708111 CT ID: T150P0001C08542 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0001	P&WA FT4A-8 TURBINE	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.00006	0	34	0

2020 Site Information:

Site Name: NORWICH PUBLIC UTIL/ELECT EIS ID: 16708211 CT ID: T139P0105C06101 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0137	ROLLS ROYCE GAS TURB OIL-FIRED	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.00003	0	12	0

2020 Site Information:

Site Name: U S NAVAL SUBMARINE BASE NEW LONDON EIS ID: 2661611 CT ID: T070P0028C00800 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	MISC. EMERGENCY ENGINES/SEC.3b(e)	0.1	1.3	0.3	0.1	0.1	0.1	0.0	0.00000	1	7	1
E0002	MISC. EMERGENCY ENGINES/SECS.3B(E) & 22e	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.00000	0	6	2
E0007	EMERGENCY ENGINES W/ COLLATERAL CONDITIONS IN PERMITS #279 & 283	0.1	0.9	0.2	0.1	0.1	0.1	0.0	0.00000	0	4	1
E0008	NON-EMERGENCY DIESEL ENGINES (NO LONGER EXIST IN TV PERMIT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	MISC. COLD SOLVENT CLEANERS SUBJECT TO SEC. 20(l)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	B38 PAINT BOOTH FOR WOOD (NO LONGER EXIST IN TV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0011	PAINT BOOTH: FIBERGLASS BOATS (NO LONGER EXIST IN TV PERMIT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0012	MISC. COATING SUBJECT TO SEC. 20(S) UNDER CO #8049 (EUs-238, 240, 296, 391, 256, & 457)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0013	PLASTISOL TANKS (INCLUDED IN GEU-10)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	BUILDING 40 BAKE OVEN (INCLUDED IN GEU-10)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	MISC COATING FOR NON-METAL PARTS SUBJECT TO NESHAP, SEC. 63 SUBPART II (EUs 162, 243, &	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	6	0	0
E0016	GASOLINE DISPENSING and 3 UNDERGROUND GASOLINE STORAGE TANKS (Bldg #428) EUs 081A, C, & D	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	7	0	0
E0017	MISC METAL COATING SUBJECT TO SECS 3B(G) & 20(S) UNDER CO #8049 (EUs-126, 134, 138, & 377)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: U S NAVAL SUBMARINE BASE NEW LONDON (Continued) EIS ID: 2661611 CT ID: T070P0028C00800 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

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
		VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0018	Methylene Chloride (INCLUDED IN GEU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0020	COATING OPERATIONS SUBJECT TO SHIP BUILDING & REPAIR, NESHAP SEC. 63 SUBPART II (EUs-241, 285, & 380)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0021	SMALL BOILERS (NO LONGER IN TV PERMIT)	0.1	2.5	1.4	0.2	0.2	0.0	0.1	0.00008	1	15	8
P0096	5 MW SOLAR TAURUS TURBINE W/ HRSG	2.0	14.7	32.3	1.3	1.3	0.1	0.4	0.00000	0	0	0
P0228	ELECTOSTAT. POWDER COAT - B174 (INCLUDED IN GEU-008)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0231	ABRASIVE BLAST BOOTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0238	AIRLESS AIR-ASSISTED SPRAY BOOTH (INCLUDED IN GEU-0009)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0279	Cleaver Brooks Model CBL-LN Boiler #1s (EU-386)	0.1	0.2	0.8	0.2	0.2	0.0	0.1	0.00001	1	1	5
P0283	Cleaver Brooks Model CBL-LN Boiler #4 (EU-416)	0.2	0.5	1.6	0.3	0.3	0.0	0.1	0.00002	3	5	18
P0285	Caterpillar C27 Diesel Generator Set	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	1
P0286	Caterpillar C27 Diesel Generator Set	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0291	1,200 hp Natural Gas and ULSD Firetube Boiler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0292	5,564 kW Rolls Royce Natural Gas Fired CHP Internal Combustion Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0293	5,564 kW Rolls Royce Natural Gas Fired CHP Internal Combustion Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0003	COATING: ENAMEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0004	THINNING SOLVENTS: ETHYL ALCOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: U S NAVAL SUBMARINE BASE NEW LONDON (Continued) EIS ID: 2661611 CT ID: T070P0028C00800 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
U0005	THINNING SOLVENTS: MINERAL SPI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0006	THINNING SOLVENTS: XYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
U0007	COLD SOLVENT CLEANING: 111 TRI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: MONTVILLE POWER, LLC EIS ID: 552611 CT ID: T107P0005C07741 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0012	FOSTER WHEELER AG-560 #7	0.3	5.1	2.0	0.4	0.4	0.0	0.2	0.00003	4	57	22
P0013	FOSTER WHEELER AG-560 #8	0.1	1.9	0.7	0.1	0.1	0.0	0.1	0.00001	0	0	0
P0032	CUMMINS FIRE PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
R0017	BLR C.E. #5	0.5	10.5	2.5	0.7	0.7	11.0	0.3	0.00032	137	3,975	787
R0020	BLR C.E. #6	0.3	10.2	2.0	2.3	2.3	13.1	0.3	0.00060	210	7,157	1,400
R0021	GM DIESEL ENGINE 10	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.00000	7	81	5
R0022	GM DIESEL ENGINE 11	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00000	18	195	15

2020 Site Information:

Site Name: Millstone Power Station EIS ID: 590111 CT ID: T199P0003C08003 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0007	COLD PARTS CLEANING OPERATIONS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	EDG Cummins DFEK	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0010	Emergency Diesel Fire Pump	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	25	5
E0011	Emergency Diesel Generator Engine "EOF"	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1
E0012	Emergency Propane Generator Engine for Meteorological Tower	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	5	4
E0013	Kohler Sewer Pump Propane Emergency Generator Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	IR750 – U2 Intake Diesel Compressor Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0016	IR260 – Painter's/Motorpool Diesel Compressor Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0017	Gasoline/Diesel Dispensing Facility	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	0	0
E0018	R.O.B. Heating Boiler	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00001	0	0	0
P0007	BOILER B&W FM10-79 #1	0.0	1.2	0.1	0.1	0.0	0.0	0.0	0.00004	0	0	0
P0008	BLR B&W FM10-79 #2	0.0	1.2	0.1	0.1	0.0	0.0	0.0	0.00003	0	0	0
P0009	COLT PC2 DIESEL A	0.1	2.5	1.0	0.1	0.1	0.0	0.0	0.00000	0	11	5
P0010	COLT PC2 DIESEL B	0.1	2.3	1.0	0.1	0.1	0.0	0.0	0.00000	1	14	6
P0017	ELECTRO-MOTIVE 2MW GENERATOR	0.0	1.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	9	2
P0043	FIRE TRAINING FACILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	6	1
P0055	F-M 38TD8 1/8 DIESEL 12U	0.0	1.2	0.4	0.0	0.0	0.0	0.0	0.00000	0	9	3

2020 Site Information:

Site Name: Millstone Power Station (Continued) EIS ID: 590111 CT ID: T199P0003C08003 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0056	F-M 38TD8 1/8 DIESEL 13U	0.1	2.0	0.6	0.0	0.0	0.0	0.0	0.00000	0	10	3
P0060	VOLVO TWD 1630G EMERG ENGINE	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	3	1

2020 Site Information:

Site Name: COVANTA SOUTHEASTERN CT CO EIS ID: 754611 CT ID: T150P0012C06032 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	CAT 3412 DIT DIESEL-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	19	5
E0002	Open Top Cold Solvent Degreaser Non-halogenated Solvent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	Ash Handling System	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0
P0001	DBA REFUSE INCIN #1	0.1	156.5	30.0	4.0	2.9	14.4	5.2	0.00400	1	1,056	216
P0002	DBA REFUSE INCIN #2	0.3	153.1	33.0	3.6	2.9	14.5	5.0	0.00484	1	1,009	178

2020 Site Information:

Site Name: WHEELABRATOR LISBON INC EIS ID: 8501611 CT ID: T093P0014C08786 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	EMERGENCY FIRE PUMP	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	1	10	2
E0002	EMERGENCY GENERATOR (LIFT STATION)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	LIME SILO W/FF VENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0004	2 LIME SLAKERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0005	COOLING TOWER	0.0	0.0	0.0	1.2	1.2	0.0	0.0	0.00000	0	0	0
P0008	281 TPD MSW INCINERATOR #1	0.3	119.6	9.2	4.5	4.5	10.6	2.5	0.00022	1	696	54
P0009	281 TPD MSW INCINERATOR #2	0.3	117.9	7.3	5.5	5.5	11.0	1.0	0.00107	2	678	43
P0010	ASH CONDITIONER/HANDLING SYSTEM	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: PFIZER INC EIS ID: 921211 CT ID: T070P0004C00089 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0005	B274-2 CATERPILLAR SR4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	20	4
E0007	B260-1 ONAN/CUMMINS 80 ENAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0008	B295-1 KOHLER 135 RZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	B185-1 KOHLER 30 RZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	1	1
E0010	B90 #EG-1 EMER GENERATOR (B90)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0020	B230-1 CATERPILLAR 3516B	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	4	170	45
E0022	WASTEWATER EQUALIZATION BASIN	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0023	B274S-3 CATERPILLAR 3406	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	2	26	6
E0024	B60 FIRE DEPT GENERATOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0027	BLR HURST 400 #S4-G-600-150	0.1	1.8	1.8	0.2	0.2	0.0	0.0	0.00001	1	21	21
E0028	B156A-1 KOHLER 600 ROZD	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	3	124	33
E0031	B296-1 ONAN 60DGCB DIESEL/C RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0034	EQ Basin ONAN 150 DGFA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	1	10	2
E0035	B220-1 CUMMINS ONAN GTA/GS	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	0
E0037	B101 EG - 12 EMER GENERATOR (B 101)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1
E0039	B58 PGM EMERG FIRE PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0040	B195 Fire Pump Engine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	2	18	4
E0042	B156A-2 Caterpillar D100-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	27	6

2020 Site Information:

Site Name: PFIZER INC (Continued) EIS ID: 921211 CT ID: T070P0004C00089 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0044	B257-2 750kW Caterpillar	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	24	1
E0045	Fuel Cell	0.3	0.2	1.6	0.0	0.0	0.0	0.0	0.00000	2	1	9
P0268	SOLAR MARS 100S TURBINE + DB	0.7	4.2	0.6	4.6	4.6	1.1	0.2	0.00009	4	21	3
R0007	BLR CE #1 (101-1)	1.0	21.3	14.5	1.3	1.3	0.1	0.0	0.00009	4	92	55
R0008	BLR CE #2 (101-1)	0.7	12.3	10.1	0.9	0.9	0.1	0.0	0.00006	4	92	55
R0009	BLR CE #3 (101-2)	0.5	11.2	8.1	0.7	0.7	0.1	0.0	0.00005	2	46	27

2020 Site Information:

Site Name: ELECTRIC BOAT CORP EIS ID: 922211 CT ID: T070P0005C00046 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	MANUAL ADHESIVE APPL(FACILITY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0009	BUILDING 51 (SILICA SAND)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0010	PARTSWASHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0008	BLR SUPERIOR 350HP #2N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0032	BLR B&W FMD 640 #4M	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0055	BLR SUPERIOR 150HP #1S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0094	Surface Treatement Processes	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	97	0	0
P0144	KOHLER 180ROZ271 DIESEL GEN	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	4	38	8
P0145	KOHLER 50ROZ271 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0146	KOHLER 50ROZ271 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0147	KOHLER 100ROZ277 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0148	KOHLER 100ROZ277 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0149	KOHLER 70ROZ272 PROPANE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0150	CATERPILLAR D398A GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	5	1
P0152	KOHLER 250ROZ271 DIESEL GEN	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	2	23	5
P0153	KOHLER 250ROZ273 DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0241	SPRAY BOOTH (BLDG 51)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0255	BUILDING 212 BLASTEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

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County: NEW LONDON Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0257	250 KW MAGNE TEK DIESEL GEN	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0258	250 KW MAGNE TEK DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0259	250 KW MAGNE TEK DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0260	250 KW MAGNE TEK DIESEL GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0261	KOHLER MODEL 125ROZ DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0262	KOHLER 50ROZJ SERIAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0269	EB-33 BLASTING CABINET, BUILDING 129	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0280	ABRASIVE BLAST ROOM - Building 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0284	Babcock Wilcox FMO-66 Boiler	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0287	Johnston Boiler Series 509 3-Pass Boiler MY#1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0288	Johnston Boiler Series 509 3-Pass Boiler MY#2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0289	Johnston Boiler Series 509 3-Pass Boiler MY#3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0290	Johnston Boiler Series 509 3-Pass Boiler MY#4	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0057	BLR SUPERIOR 200HP #1N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0066	BLR B&W FM 40K#/H #3M	0.1	1.3	1.2	0.1	0.1	0.0	0.0	0.00001	0	0	0
R0067	BLR B&W FM 60K#/H #2M	0.2	3.9	2.1	0.2	0.2	0.0	0.1	0.00001	0	0	0
R0068	BLR SUPERIOR 350HP #1M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0074	BLR SUPERIOR 250HP #2S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

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2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
R0075	EB-15 WHEELABRATOR 96/BLDG 212	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0094	EB-22 GRIT BLAST-SHIP HULL/GD2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0095	EB-23 HULL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
R0227	SPRAY PAINTING B#212	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: UNIV OF CT / STORRS EIS ID: 642611 CT ID: T098P0015C01138 SIC Code: 8221
Address: 25 LEDOYT RD, 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	KOHLER 450 KW DIESEL SO CAMPUS Generator	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	13	3
E0003	WAUKESHA CHILLER ENGINE SO Campus Chiller	0.1	0.4	0.4	0.0	0.0	0.0	0.0	0.00000	3	11	11
E0005	CUMMINS 35 KW GENERATOR-POULTRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0056	CUMMINS 250 DIESEL ELEC MOBILE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0057	ONAN 250 DYB4RS DSL GANT CMPX (IMS)	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0568	CUMMINS 325KW NG AG-BIO Generator	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.00000	0	11	10
E0584	CATERPILLAR 150KW LPG ALUMNI Quad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0585	KOHLER 65 KW LPG-BUCKLEY HALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0586	KOHLER 60 KW LPG-SHIPPEE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0587	ONAN 35 KW LPG-MCMAHON HALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0588	CATERPILLAR 100KW NG CAPSTONE	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0591	KOHLER 17 KW NG HILLTOP Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0592	CATERPILLAR 1500kW DSL BLKSTRT	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.00000	0	16	4
E0593	60KW CUMMINS NG WPCF FOOTBALL CMPLX GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0594	250KW CUMMINS NG TOWERS Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0595	NG BOILERS HILLTOP APTS (12) EMU-611-622	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.00000	0	0	1
E0596	NG EQUIP HILLTOP CHARTER OAK EMUs-623-1185	0.0	0.8	0.3	0.1	0.1	0.0	0.0	0.00000	0	1	0

2020 Site Information:

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County: TOLLAND Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year) VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	Daily Emissions (lbs/ day) VOC	NOx	CO
E0597	NG SMITH DW-1810 BLR HILLTOP Suites	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	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	0.00000	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	0.00000	0	0	0
E0601	Public Safety CATERPILLAR 175kW DIESEL Generator	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	4	1
E0602	Willi Wellfield CATERPILLAR 600kW DIESEL Generator	0.0	1.2	0.3	0.0	0.0	0.0	0.0	0.00000	4	152	40
E0603	Reclaimed Water Facility MTU 500kW DIESEL Generator	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	1
E0604	Floriculture Bld Olympian 150 kW LPG Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0605	President's Residence Generac 20 kW NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0606	BIO #4 NG Generator	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	1	22	20
E0607	ELLSWORTH NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0610	NEW ATWATER LPG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0612	E-PROJECT (Hollister Hall) LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0614	FACILITIES OPS LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0617	New Fine Arts (NFA) LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0618	Rosebrooks House LPG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0619	WHITNEY Hall NG Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1

2020 Site Information:

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2020 Source Level Information:

Point ID	Source Name	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
		VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0620	JORG AUDIT Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0621	Wastewater Treatment	0.0	1.3	0.3	0.2	0.1	0.0	0.1	0.00008	0	7	2
E0622	FIELDHOUSE Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0623	ICE RINK FIRE PUMP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0626	Young Building NG Generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0627	Basketball Training Facility NG Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0628	Infirmary Mobile Diesel Generator	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0629	WHUS Radio Diesel Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0630	Taylor Mobile Diesel Generator	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	9	2
E0631	Putnam Generac MG400 NG Generator #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0632	Putnam Generac MG400 NG Generator #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0633	Putnam Generac MG400 NG Generator #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0634	Next Generation Residence Hall Heating Equipment	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.00000	0	0	1
E0635	Gurleyville Cummins 450DFEJ Diesel Generator	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
E0636	Northwood Apartments Heating Equipment (Various)	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0637	Generac SB100 100 KW NG MAA Generator	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

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2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0638	400 kW Caterpillar Model G3412C LE natural gas fired emergency	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.00000	0	3	3
E0639	60 kW Generac Model C60 NG natural gas fired emergency generator - Bronwell	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	4	3
E0640	150 kW Generac Model QT150 natural gas fired emergency generator	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	1	1
E0642	Innovation Partnership Heating Equipment (Various Boilers)	0.1	0.3	1.0	0.1	0.1	0.0	0.0	0.00001	0	1	2
E0643	CATERPILLAR 750 KW DIESEL - HI-HEAD GENERATOR	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	1	25	7
E0644	TECOCHILL CH-400x CHILLER ENGINE #1A - CHP	0.4	0.6	1.2	0.0	0.0	0.0	0.0	0.00000	7	10	21
E0645	TECOCHILL CH-400x CHILLER ENGINE #1B - CHP	0.4	0.5	1.1	0.0	0.0	0.0	0.0	0.00000	7	10	19
E0646	TECOCHILL CH-400x CHILLER ENGINE #3A - CHP	0.4	0.5	1.0	0.0	0.0	0.0	0.0	0.00000	7	10	21
E0647	TECOCHILL CH-400x CHILLER ENGINE #3B - CHP	0.3	0.4	0.8	0.0	0.0	0.0	0.0	0.00000	6	8	17
P0011	KOHLER DIESEL 350KW BEACH BLDG	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0012	KOHLER DIESEL 600KW PSYC BLDG	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	3	1
P0015	KOHLER 150ROZJ DIESEL BIO4 ANNEX	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	1	15	3
P0018	CUMMINS NT855 DIESEL 230KW Gampel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0019	KOHLER 400KW DIESEL FENTON RVR	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	1
P0024	#1 MITSUBISHI 1250kW GEN CHP	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.00000	0	13	4
P0025	#2 MITSUBISHI 1250kW GEN CHP	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.00000	0	11	3
P0026	B & W BOILER #9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

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2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0032	KOHLER 230 ROZD DIESEL COMMISSARY	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	2	0
P0033	CATERPILLAR 3412 DIESEL	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0035	ONAN 35DGBB Diesel WPCF Eastwood Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0036	ONAN 35DGBB DIESEL WPCF MANSFIELD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0037	ONAN 35DGBB DIESEL WPCF Northwood	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0038	DETROIT DIESEL 100DS NO CAMPUS Parking Garage	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0043	KOHLER 150ROZJ DIESEL Fieldhouse Fire Pump	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
P0054	ONAN 500 KW DIESEL GEN/WasteWaterTrtmntPlant	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.00000	0	2	1
P0056	SOLAR TAURUS 70 TURBINE #1 &DB	0.9	2.2	5.1	4.9	4.9	0.7	2.1	0.00003	4	11	25
P0061	SOLAR TAURUS 70 TURBINE #2 &DB	1.2	3.3	7.3	6.6	6.6	1.0	3.1	0.00005	6	17	38
P0062	SOLAR TAURUS 70 TURBINE #3 &DB	1.0	2.7	5.9	5.1	5.1	0.7	2.6	0.00006	7	21	45
R0014	BLR BIGELOW #1	0.0	1.1	0.6	0.1	0.1	0.0	0.0	0.00000	0	0	0
R0015	BLR BIGELOW #2	0.1	3.0	1.5	0.1	0.1	0.0	0.0	0.00001	0	0	0
R0016	BLR BIGELOW #3	0.1	1.5	0.8	0.1	0.1	0.0	0.0	0.00001	0	0	0
R0020	BLR BIGELOW #7	0.1	3.9	1.8	0.2	0.2	0.0	0.0	0.00002	0	3	2

2020 Site Information:

Site Name: PLAINFIELD RENEWABLE ENRGY LLC EIS ID: 16734111 CT ID: T145P0074C08464 SIC Code: 4911
Address: 12 Mill Brook Road, PLAINFIELD, CT Latitude: 41.663864 Longitude: -71.924373
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	Emergency Generator - Cummins DFEK Reciprocating Diesel	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0003	Pump House - Cummins DSGAC Reciprocating Generator	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	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	0.00000	0	0	0
P0049	Biomass Fluidized Bed Gasification Plant	1.0	144.1	73.6	24.5	24.5	4.0	1.7	0.01744	5	0	0

2020 Site Information:

Site Name: FRITO-LAY INC EIS ID: 2765911 CT ID: T089P0065C07514 SIC Code: 2096
Address: 1886 UPPER MAPLE ST, KILLINGLY, CT Latitude: 41.862247 Longitude: -71.890744
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	FIRE PUMP #1 & 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	1	0
E0005	LINE #4 COOKER	0.2	0.0	0.0	1.0	1.0	0.0	0.0	0.00000	1	0	0
E0006	LINE #5 COOKER	0.1	0.0	0.0	0.3	0.3	0.0	0.0	0.00000	0	0	0
E0007	LINE #6 COOKER	0.7	0.0	0.0	3.8	3.8	0.0	0.0	0.00000	4	0	0
E0008	LINE #6 COOLER	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.00000	0	0	0
E0009	LINE #4 OVEN	0.1	1.0	0.8	0.1	0.1	0.0	0.0	0.00000	0	6	5
E0010	LINE #5 OVEN A & B	0.1	2.0	1.7	0.2	0.2	0.0	0.1	0.00001	1	12	10
E0011	LINE #6 OVEN A & B	0.1	2.0	1.7	0.2	0.2	0.0	0.1	0.00001	1	12	10
E0012	LINE #7 POPPER	0.0	0.1	0.1	0.7	0.7	0.0	0.0	0.00000	0	1	1
E0013	GRAIN HNDLNG-RECEIVING/STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0014	GRAIN HANDLING-TRANSFER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0015	GRAIN HANDLING-CLEANING	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.00000	0	0	0
E0017	PUMP HOUSE # 1 HEATER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
E0018	LOGISTICS FURNACE 1 & 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0
P0012	LINE #1 COOKER	0.2	0.0	0.0	8.0	8.0	0.0	0.0	0.00000	1	0	0
P0013	LINE #3 COOKER	0.2	0.0	0.0	1.6	1.6	0.0	0.0	0.00000	1	0	0
P0025	BLR CB-D60 #1	0.0	0.9	0.8	0.1	0.1	0.0	0.0	0.00000	0	7	6
P0026	BLR CB-D60 #2	0.1	1.2	1.2	0.1	0.1	0.0	0.0	0.00001	0	1	1

2020 Site Information:

Site Name: FRITO-LAY INC (Continued) EIS ID: 2765911 CT ID: T089P0065C07514 SIC Code: 2096
Address: 1886 UPPER MAPLE ST, KILLINGLY, CT Latitude: 41.862247 Longitude: -71.890744
County: WINDHAM Ozone Status Area: Greater Connecticut Area PM2.5 Status Area: Greater Connecticut PM2.5 Attainment Area

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0027	BLR CB-D60 #3	0.0	0.5	1.5	0.0	0.0	0.0	0.0	0.00000	0	6	20
P0028	LINE #2 COOKER	0.1	0.0	0.0	4.0	4.0	0.0	0.0	0.00000	1	0	0
P0039	Starch Dryer No. 1	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.00000	0	0	0
P0105	SOLAR CENTAUR 50-6200S CHP	0.3	4.1	4.4	2.0	2.0	0.2	0.3	0.00006	2	24	26
P0106	Starch Dryer No. 2	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.00000	0	0	0
U0001	COLD SOLVENT CLEANING: STODDAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: ALGONQUIN GAS TRANSMISSION (Chaplin) EIS ID: 751611 CT ID: T034P0002C08820 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0002	KEWANEE 1.1 MMBTU/HR GLYCOL HT	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	0	3	2
E0003	UNREG VOC FUGITIVE EMISSIONS	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	43	0	0
E0004	WAUKESHA VGF36GL	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.00000	11	18	16
P0006	Solar Taurus 60-7802 turbine (simple cycle)	0.5	2.1	5.0	0.2	0.2	1.1	0.0	0.00000	9	37	81
P0007	Solar Taurus 60-7802 turbine (simple cycle)	0.5	3.5	4.6	0.6	0.6	1.7	0.0	0.00000	9	39	81
P0008	Solar Taurus 60-7802 turbine (simple cycle)	0.6	3.2	5.0	0.7	0.7	1.9	0.0	0.00000	9	32	81
P0009	Solar Centaur 50-6202 turbine (simple cycle)	0.5	2.1	5.2	0.4	0.4	1.0	0.0	0.00000	9	33	88

2020 Site Information:

Site Name: LAKE ROAD GENERATING CO, LLC EIS ID: 844711 CT ID: T089P0080C07442 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
P0067	ABB COMBUSTION TURBINE #1	5.3	45.9	22.5	15.1	15.1	3.6	18.6	0.00000	37	217	147
P0068	ABB COMBUSTION TURBINE #2	6.4	46.3	5.8	22.0	22.0	3.8	42.8	0.00000	38	241	19
P0069	ABB COMBUSTION TURBINE #3	5.3	38.1	23.4	17.9	17.9	3.7	19.6	0.00000	30	194	169
P0070	GPEE DIESEL FIRE PUMP	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00000	7	73	16
P0071	GPEE DIESEL #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	29	6
P0072	GPEE DIESEL #2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	29	6
P0073	GPEE DIESEL #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	3	29	6
P0079	ABOVE GROUND STORAGE TANK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	0	0	0

2020 Site Information:

Site Name: Sonoco Protective Solutions, Inc EIS ID: 844811 CT ID: T152P0008C05365 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

2020 Source Level Information:

Point	Source	Annual Emissions (tons / year)								Daily Emissions (lbs/ day)		
ID	Name	VOC	NOx	CO	PM10	PM2.5	SO2	NH3	Lead	VOC	NOx	CO
E0001	BLR CB 200-200	0.1	1.0	0.8	0.1	0.1	0.0	0.0	0.00000	0	8	7
E0002	BLR CB 400-200	0.1	1.0	0.8	0.1	0.1	0.0	0.0	0.00000	0	8	7
E0003	BLR CB 200-150	0.1	1.0	0.9	0.1	0.1	0.0	0.0	0.00001	1	9	8
P0017	POLYSTYRENE FOAM MOLDING	56.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00000	476	0	0

Appendix D Summer Day Allocation Factors

Table D-1: 2020 SCCs 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	22-01-41-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Other Buses - 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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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	22-01-62-0080	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Combination Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-02-11-0080	Onroad	Mobile Sources - Highway Vehicles - Diesel - Motorcycle - 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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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	22-03-11-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Motorcycle - All on and off-network processes except refueling	Data
ONROAD	22-03-21-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-03-31-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Passenger Truck - All on and off-network processes except refueling	Data
ONROAD	22-03-32-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Light Commercial Truck - All on and off-network processes except refueling	Data
ONROAD	22-03-41-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Other Buses - 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	22-03-43-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - School Bus - All on and off-network processes except refueling	Data
ONROAD	22-03-51-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Refuse Truck - All on and off-network processes except refueling	Data

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
ONROAD	22-03-52-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Single Unit Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-03-53-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Single Unit Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-03-54-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Motor Home - All on and off-network processes except refueling	Data
ONROAD	22-03-61-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Combination Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-03-62-0080	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Combination Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-04-11-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Motorcycle - All on and off-network processes except refueling	Data
ONROAD	22-04-21-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-04-31-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Passenger Truck - All on and off-network processes except refueling	Data
ONROAD	22-04-32-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Light Commercial Truck - All on and off-network processes except refueling	Data

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
ONROAD	22-04-41-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Other Buses - All on and off-network processes except refueling	Data
ONROAD	22-04-42-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-04-43-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - School Bus - All on and off-network processes except refueling	Data
ONROAD	22-04-51-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Refuse Truck - All on and off-network processes except refueling	Data
ONROAD	22-04-52-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Single Unit Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-04-53-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Single Unit Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-04-54-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Motor Home - All on and off-network processes except refueling	Data
ONROAD	22-04-61-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Combination Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-04-62-0080	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Combination Long-haul Truck - All on and off-network processes except refueling	Data

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
ONROAD	22-05-11-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Motorcycle - 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
ONROAD	22-05-41-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Other Buses - All on and off-network processes except refueling	Data
ONROAD	22-05-42-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-05-43-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - School Bus - All on and off-network processes except refueling	Data
ONROAD	22-05-51-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Refuse Truck - All on and off-network processes except refueling	Data
ONROAD	22-05-52-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Single Unit Short-haul Truck - All on and off-network processes except refueling	Data

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
ONROAD	22-05-53-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Single Unit Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-05-54-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Motor Home - All on and off-network processes except refueling	Data
ONROAD	22-05-61-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Combination Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-05-62-0080	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Combination Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-09-11-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Motorcycle - All on and off-network processes except refueling	Data
ONROAD	22-09-21-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Passenger Car - All on and off-network processes except refueling	Data
ONROAD	22-09-31-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Passenger Truck - All on and off-network processes except refueling	Data
ONROAD	22-09-32-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Light Commercial Truck - All on and off-network processes except refueling	Data
ONROAD	22-09-41-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Other Buses - All on and off-network processes except refueling	Data

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
ONROAD	22-09-42-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Transit Bus - All on and off-network processes except refueling	Data
ONROAD	22-09-43-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - School Bus - All on and off-network processes except refueling	Data
ONROAD	22-09-51-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Refuse Truck - All on and off-network processes except refueling	Data
ONROAD	22-09-52-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Single Unit Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-09-53-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Single Unit Long-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-09-54-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Motor Home - All on and off-network processes except refueling	Data
ONROAD	22-09-61-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Combination Short-haul Truck - All on and off-network processes except refueling	Data
ONROAD	22-09-62-0080	Onroad	Mobile Sources - Highway Vehicles - Electricity - Combination Long-haul 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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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	22-60-00-8005	Point	Mobile Sources - Off-highway Vehicle Gasoline - Airport Ground Support Equipment - 2-Stroke Airport Ground Support Equipment	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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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	22-80-002-101	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C1C2 Port emissions: Main Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-102	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C1C2 Port emissions: Auxiliary Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-103	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C3 Port emissions: Main Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-104	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C3 Port emissions: Auxiliary Engine	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Commercial Marine Vessels	22-80-002-200	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - Underway emissions	Factor
NONROAD Commercial Marine Vessels	22-80-002-201	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C1C2 Underway emissions: Main Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-202	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C1C2 Underway emissions: Auxiliary Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-203	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C3 Underway emissions: Main Engine	Factor
NONROAD Commercial Marine Vessels	22-80-002-204	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Diesel - C3 Underway emissions: Auxiliary Engine	Factor
NONROAD Commercial Marine Vessels	22-80-003-100	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - Port emissions	Factor
NONROAD Commercial Marine Vessels	22-80-003-103	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - C3 Port emissions: Main Engine	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Commercial Marine Vessels	22-80-003-104	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - C3 Port emissions: Auxiliary Engine	Factor
NONROAD Commercial Marine Vessels	22-80-003-200	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - Underway emissions	Factor
NONROAD Commercial Marine Vessels	22-80-003-203	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - C3 Underway emissions: Main Engine	Factor
NONROAD Commercial Marine Vessels	22-80-003-204	Nonpoint	Mobile Sources - Marine Vessels, Commercial - Residual - C3 Underway emissions: Auxiliary Engine	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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONROAD Lawn and Garden Equipment (Com)	22-60-004-036	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Snowblowers (Commercial)	Data
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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 Equipment (Com)	22-65-004-076	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline, 4-Stroke - Lawn and Garden Equipment - Other Lawn and Garden Equipment (Commercial)	Data
NONROAD Lawn and Garden Equipment (Com)	22-67-004-066	Nonroad	Mobile Sources - LPG - Lawn and Garden Equipment - Chippers/Stump Grinders (Commercial)	Data

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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 Equipment (Res)	22-60-004-035	Nonroad	Mobile Sources - Off-highway Vehicle Gasoline - Lawn and Garden Equipment - 2-Stroke Snowblowers (Residential)	Data
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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	Factor
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
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	21-02-001-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Anthracite Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT	21-02-002-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Bituminous/Subbituminous Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT	21-02-004-001	Nonpoint	Stationary Source Fuel Combustion - Industrial - Distillate Oil - All Boiler Types	Factor
NONPOINT	21-02-004-002	Nonpoint	Stationary Source Fuel Combustion - Industrial - Distillate Oil - All IC Engine Types	Factor
NONPOINT	21-02-005-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Residual Oil - Total: All Boiler Types	Factor
NONPOINT	21-02-006-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Natural Gas - Total: Boilers and IC Engines	Factor
NONPOINT	21-02-007-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Liquified Petroleum Gas (LPG) - Total: All Boiler Types	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	21-02-008-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Wood - Total: All Boiler Types	Factor
NONPOINT	21-02-011-000	Nonpoint	Stationary Source Fuel Combustion - Industrial - Kerosene - Total: All Boiler Types	Factor
NONPOINT	21-03-001-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Anthracite Coal - Total: All Boiler Types	No Annual CO, VOC or NOx
NONPOINT	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	21-03-004-001	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers	Factor
NONPOINT	21-03-004-002	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - IC Engines	Factor
NONPOINT	21-03-005-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types	Factor
NONPOINT	21-03-006-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Natural Gas - Total: Boilers and IC Engines	Factor
NONPOINT	21-03-007-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Liquified Petroleum Gas (LPG) - Total: All Combustor Types	Factor
NONPOINT	21-03-008-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Wood - Total: All Boiler Types	Factor
NONPOINT	21-03-011-000	Nonpoint	Stationary Source Fuel Combustion - Commercial/Institutional - Kerosene - Total: All Combustor Types	Factor
NONPOINT	21-04-001-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Anthracite Coal - Total: All Combustor Types	No Annual CO, VOC or NOx
NONPOINT	21-04-002-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Bituminous/Subbituminous Coal - Total: All Combustor Types	No Annual CO, VOC or NOx
NONPOINT	21-04-004-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Distillate Oil - Total: All Combustor Types	Factor
NONPOINT	21-04-005-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Residual Oil - Total: All Combustor Types	No Annual CO, VOC or NOx

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	21-04-006-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Natural Gas - Total: All Combustor Types	Factor
NONPOINT	21-04-007-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Liquified Petroleum Gas (LPG) - Total: All Combustor Types	Factor
NONPOINT	21-04-008-100	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Fireplace: general	Factor
NONPOINT	21-04-008-210	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; non-EPA certified	Factor
NONPOINT	21-04-008-220	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; non-catalytic	Factor
NONPOINT	21-04-008-230	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: fireplace inserts; EPA certified; catalytic	Factor
NONPOINT	21-04-008-310	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, non-EPA certified	Factor
NONPOINT	21-04-008-320	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, non-catalytic	Factor
NONPOINT	21-04-008-330	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: freestanding, EPA certified, catalytic	Factor
NONPOINT	21-04-008-400	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Woodstove: pellet-fired, general (freestanding or FP insert)	Factor
NONPOINT	21-04-008-510	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, cordwood-fired, non-EPA certified	Factor
NONPOINT	21-04-008-530	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, pellet-fired, general	Factor
NONPOINT	21-04-008-610	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor	Factor
NONPOINT	21-04-008-620	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: indoor	Factor
NONPOINT	21-04-008-630	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: pellet-fired	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	21-04-008-700	Nonpoint	Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimeas, etc)	Factor
NONPOINT	21-04-009-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Firelog - Total: All Combustor Types	Factor
NONPOINT	21-04-011-000	Nonpoint	Stationary Source Fuel Combustion - Residential - Kerosene - Total: All Heater Types	Factor
NONPOINT	22-01-00-0062	Onroad	Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement	Data
NONPOINT	22-02-00-0062	Onroad	Mobile Sources - Highway Vehicles - Diesel - Refueling - Total Spillage and Displacement	Data
NONPOINT	22-03-00-0062	Onroad	Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Refueling - Total Spillage and Displacement	Data
NONPOINT	22-04-00-0062	Onroad	Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Refueling - Total Spillage and Displacement	Data
NONPOINT	22-05-00-0062	Onroad	Mobile Sources - Highway Vehicles - Ethanol (E-85) - Refueling - Total Spillage and Displacement	Data
NONPOINT	22-09-00-0062	Onroad	Mobile Sources - Highway Vehicles - Electricity - Refueling - Total Spillage and Displacement	Data
NONPOINT	22-94-000-000	Nonpoint	Mobile Sources - Paved Roads - All Paved Roads - Total: Fugitives	No Annual CO, VOC or NOx
NONPOINT	22-94-000-002	Nonpoint	Mobile Sources - Paved Roads - All Paved Roads - Total: Sanding/Salting - Fugitives	No Annual CO, VOC or NOx
NONPOINT	22-96-000-000	Nonpoint	Mobile Sources - Unpaved Roads - All Unpaved Roads - Total: Fugitives	No Annual CO, VOC or NOx
NONPOINT	23-02-002-100	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Conveyorized Charbroiling	Factor
NONPOINT	23-02-002-200	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Charbroiling - Under-fired Charbroiling	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	23-02-003-000	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Deep Fat Frying	Factor
NONPOINT	23-02-003-100	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Flat Griddle Frying	Factor
NONPOINT	23-02-003-200	Nonpoint	Industrial Processes - Food and Kindred Products: SIC 20 - Commercial Cooking - Frying - Clamshell Griddle Frying	Factor
NONPOINT	23-10-000-220	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Drill Rigs	No Annual CO, VOC or NOx
NONPOINT	23-10-000-330	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Artificial Lift	No Annual CO, VOC or NOx
NONPOINT	23-10-000-550	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water	No Annual CO, VOC or NOx
NONPOINT	23-10-000-551	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from CBM Wells	No Annual CO, VOC or NOx
NONPOINT	23-10-000-552	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Gas Wells	No Annual CO, VOC or NOx
NONPOINT	23-10-000-553	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Oil Wells	No Annual CO, VOC or NOx
NONPOINT	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	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	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	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	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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	23-10-011-001	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Associated Gas Venting	No Annual CO, VOC or NOx
NONPOINT	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	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	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	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	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	23-10-011-600	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Artificial Lift Engines	No Annual CO, VOC or NOx
NONPOINT	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	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	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	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	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	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	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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	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	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	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	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	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	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	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	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	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	23-10-021-801	Nonpoint	Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Pipeline Blowdowns and Pigging	No Annual CO, VOC or NOx
NONPOINT	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	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	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	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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	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	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	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	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	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	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	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	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	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	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	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	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	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	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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	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	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	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	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	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	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	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	23-11-010-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Residential - Total	No Annual CO, VOC or NOx
NONPOINT	23-11-020-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total	No Annual CO, VOC or NOx
NONPOINT	23-11-030-000	Nonpoint	Industrial Processes - Construction: SIC 15 - 17 - Road Construction - Total	No Annual CO, VOC or NOx
NONPOINT	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	24-01-001-000	Nonpoint	Solvent Utilization - Surface Coating - Architectural Coatings - Total: All Solvent Types	Factor
NONPOINT	24-01-005-000	Nonpoint	Solvent Utilization - Surface Coating - Auto Refinishing: SIC 7532 - Total: All Solvent Types	Factor
NONPOINT	24-01-008-000	Nonpoint	Solvent Utilization - Surface Coating - Traffic Markings - Total: All Solvent Types	Factor
NONPOINT	24-01-015-000	Nonpoint	Solvent Utilization - Surface Coating - Factory Finished Wood: SIC 2426 thru 242 - Total: All Solvent Types	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	24-01-020-000	Nonpoint	Solvent Utilization - Surface Coating - Wood Furniture: SIC 25 - Total: All Solvent Types	Factor
NONPOINT	24-01-025-000	Nonpoint	Solvent Utilization - Surface Coating - Metal Furniture: SIC 25 - Total: All Solvent Types	Factor
NONPOINT	24-01-030-000	Nonpoint	Solvent Utilization - Surface Coating - Paper: SIC 26 - Total: All Solvent Types	Factor
NONPOINT	24-01-040-000	Nonpoint	Solvent Utilization - Surface Coating - Metal Cans: SIC 341 - Total: All Solvent Types	Factor
NONPOINT	24-01-045-000	Nonpoint	Solvent Utilization - Surface Coating - Metal Coils: SIC 3498 - Total: All Solvent Types	No Annual CO, VOC or NOx
NONPOINT	24-01-055-000	Nonpoint	Solvent Utilization - Surface Coating - Machinery and Equipment: SIC 35 - Total: All Solvent Types	Factor
NONPOINT	24-01-060-000	Nonpoint	Solvent Utilization - Surface Coating - Large Appliances: SIC 363 - Total: All Solvent Types	Factor
NONPOINT	24-01-065-000	Nonpoint	Solvent Utilization - Surface Coating - Electronic and Other Electrical: SIC 36 - 363 - Total: All Solvent Types	Factor
NONPOINT	24-01-070-000	Nonpoint	Solvent Utilization - Surface Coating - Motor Vehicles: SIC 371 - Total: All Solvent Types	Factor
NONPOINT	24-01-075-000	Nonpoint	Solvent Utilization - Surface Coating - Aircraft: SIC 372 - Total: All Solvent Types	Factor
NONPOINT	24-01-080-000	Nonpoint	Solvent Utilization - Surface Coating - Marine: SIC 373 - Total: All Solvent Types	Factor
NONPOINT	24-01-085-000	Nonpoint	Solvent Utilization - Surface Coating - Railroad: SIC 374 - Total: All Solvent Types	Factor
NONPOINT	24-01-090-000	Nonpoint	Solvent Utilization - Surface Coating - Miscellaneous Manufacturing - Total: All Solvent Types	Factor
NONPOINT	24-01-100-000	Nonpoint	Solvent Utilization - Surface Coating - Industrial Maintenance Coatings - Total: All Solvent Types	Factor
NONPOINT	24-01-200-000	Nonpoint	Solvent Utilization - Surface Coating - Other Special Purpose Coatings - Total: All Solvent Types	Factor
NONPOINT	24-15-000-000	Nonpoint	Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types	Factor
NONPOINT	24-20-000-000	Nonpoint	Solvent Utilization - Dry Cleaning - All Processes - Total: All Solvent Types	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	24-25-000-000	Nonpoint	Solvent Utilization - Graphic Arts - All Processes - Total: All Solvent Types	Factor
NONPOINT	24-60-030-999	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Lighter Fluid, Fire Starter, Other Fuels - Total: All Volatile Chemical Product Types	Factor
NONPOINT	24-60-100-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Personal Care Products - Total: All Solvent Types	Factor
NONPOINT	24-60-200-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Household Products - Total: All Solvent Types	Factor
NONPOINT	24-60-400-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Automotive Aftermarket Products - Total: All Solvent Types	Factor
NONPOINT	24-60-500-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Coatings and Related Products - Total: All Solvent Types	Factor
NONPOINT	24-60-600-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All Adhesives and Sealants - Total: All Solvent Types	Factor
NONPOINT	24-60-800-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - All FIFRA Related Products - Total: All Solvent Types	Factor
NONPOINT	24-60-900-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Miscellaneous Products (Not Otherwise Covered) - Total: All Solvent Types	Factor
NONPOINT	24-61-021-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Cutback Asphalt - Total: All Solvent Types	No Annual CO, VOC or NOx
NONPOINT	24-61-022-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Emulsified Asphalt - Total: All Solvent Types	Factor
NONPOINT	24-61-025-100	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Asphalt Paving: Hot and Warm Mix - Hot Mix Total: All Solvent Types	Factor
NONPOINT	24-61-025-200	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Asphalt Paving: Hot and Warm Mix - Warm Mix Total: All Solvent Types	Factor
NONPOINT	24-61-850-000	Nonpoint	Solvent Utilization - Miscellaneous Non-industrial: Commercial - Pesticide Application: Agricultural - All Processes	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	25-01-011-011	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Permeation	Factor
NONPOINT	25-01-011-012	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Evaporation (includes Diurnal losses)	Factor
NONPOINT	25-01-011-013	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Spillage During Transport	Factor
NONPOINT	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	25-01-011-015	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Residential Portable Gas Cans - Refilling at the Pump - Spillage	Factor
NONPOINT	25-01-012-011	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Permeation	Factor
NONPOINT	25-01-012-012	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Evaporation (includes Diurnal losses)	Factor
NONPOINT	25-01-012-013	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Spillage During Transport	Factor
NONPOINT	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	25-01-012-015	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Commercial Portable Gas Cans - Refilling at the Pump - Spillage	Factor
NONPOINT	25-01-050-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Terminals: All Evaporative Losses - Gasoline	Factor
NONPOINT	25-01-055-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Bulk Plants: All Evaporative Losses - Gasoline	Factor
NONPOINT	25-01-060-051	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Submerged Filling	Factor
NONPOINT	25-01-060-052	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Splash Filling	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	25-01-060-053	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Stage 1: Balanced Submerged Filling	Factor
NONPOINT	25-01-060-201	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Gasoline Service Stations - Underground Tank: Breathing and Emptying	Factor
NONPOINT	25-01-080-050	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 1: Total	Factor
NONPOINT	25-01-080-100	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Storage - Airports : Aviation Gasoline - Stage 2: Total	Factor
NONPOINT	25-05-030-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Transport - Truck - Gasoline	Factor
NONPOINT	25-05-040-120	Nonpoint	Storage and Transport - Petroleum and Petroleum Product Transport - Pipeline - Gasoline	Factor
NONPOINT	26-10-000-100	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Leaf Species Unspecified	Factor
NONPOINT	26-10-000-400	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - All Categories - Yard Waste - Brush Species Unspecified	Factor
NONPOINT	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	26-10-030-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Open Burning - Residential - Household Waste (use 26-10-000-xxx for Yard Wastes)	Factor
NONPOINT	26-20-030-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total	Data
NONPOINT	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	26-30-020-000	Nonpoint	Waste Disposal, Treatment, and Recovery - Wastewater Treatment - Public Owned - Total Processed	Factor
NONPOINT	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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	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	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	28-01-000-003	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Agriculture - Crops - Tilling	No Annual CO, VOC or NOx
NONPOINT	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	Factor
NONPOINT	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	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	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	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	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	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	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	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

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	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	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	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	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	28-01-700-001	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Anhydrous Ammonia	No Annual CO, VOC or NOx
NONPOINT	28-01-700-002	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Aqueous Ammonia	No Annual CO, VOC or NOx
NONPOINT	28-01-700-003	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Nitrogen Solutions	No Annual CO, VOC or NOx
NONPOINT	28-01-700-004	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Urea	No Annual CO, VOC or NOx
NONPOINT	28-01-700-005	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Ammonium Nitrate	No Annual CO, VOC or NOx
NONPOINT	28-01-700-006	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Ammonium Sulfate	No Annual CO, VOC or NOx
NONPOINT	28-01-700-007	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Ammonium Thiosulfate	No Annual CO, VOC or NOx
NONPOINT	28-01-700-010	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - N-P-K (multi-grade nutrient fertilizers)	No Annual CO, VOC or NOx
NONPOINT	28-01-700-011	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Calcium Ammonium Nitrate	No Annual CO, VOC or NOx

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	28-01-700-012	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Potassium Nitrate	No Annual CO, VOC or NOx
NONPOINT	28-01-700-013	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Diammonium Phosphate	No Annual CO, VOC or NOx
NONPOINT	28-01-700-014	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Monoammonium Phosphate	No Annual CO, VOC or NOx
NONPOINT	28-01-700-015	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Liquid Ammonium Polyphosphate	No Annual CO, VOC or NOx
NONPOINT	28-01-700-099	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers	No Annual CO, VOC or NOx
NONPOINT	28-02-004-001	Nonpoint	Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Storage	Factor
NONPOINT	28-02-004-002	Nonpoint	Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Mixing	Factor
NONPOINT	28-02-004-003	Nonpoint	Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Feeding	Factor
NONPOINT	28-05-001-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Beef cattle - finishing operations on feedlots (drylots)	Factor
NONPOINT	28-05-001-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle waste - Beef Cattle - Finishing Operations on Feedlots (Drylots): Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-001-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle waste - Beef Cattle - Finishing Operations on Feedlots (Drylots): Manure Handling and Storage	No Annual CO, VOC or NOx
NONPOINT	28-05-001-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle waste - Beef Cattle - finishing operations on feedlots (drylots): Land application of manure	No Annual CO, VOC or NOx
NONPOINT	28-05-002-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle production composite - Not Elsewhere Classified	Factor
NONPOINT	28-05-003-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Beef cattle waste - Beef cattle - finishing operations on pasture/range: Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-007-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste - Poultry Production - Layers with Dry Manure Management Systems: Confinement	Factor

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	28-05-007-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste - Poultry Production - Layers with Dry Manure Management systems: Land Application of Manure	No Annual CO, VOC or NOx
NONPOINT	28-05-008-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - layers with wet manure management systems - Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-008-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - layers with wet manure management systems - Manure handling and storage	No Annual CO, VOC or NOx
NONPOINT	28-05-008-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - layers with wet manure management systems - Land application of manure	No Annual CO, VOC or NOx
NONPOINT	28-05-009-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Confinement	Factor
NONPOINT	28-05-009-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Manure handling and storage	No Annual CO, VOC or NOx
NONPOINT	28-05-009-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - broilers - Land application of manure	No Annual CO, VOC or NOx
NONPOINT	28-05-010-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - turkeys - Confinement	Factor
NONPOINT	28-05-010-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - turkeys - Manure handling and storage	No Annual CO, VOC or NOx
NONPOINT	28-05-010-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - turkeys - Land application of manure	No Annual CO, VOC or NOx
NONPOINT	28-05-018-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle composite - Not Elsewhere Classified	Factor
NONPOINT	28-05-019-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy Cattle Waste - Dairy cattle - flush dairy: Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-019-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy Cattle Waste - Dairy cattle - flush dairy: Manure handling and storage	No Annual CO, VOC or NOx

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	28-05-019-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy Cattle Waste - Dairy cattle - flush dairy: Land application of manure	No Annual CO, VOC or NOx
NONPOINT	28-05-021-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - scrape dairy - Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-021-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - scrape dairy - Manure handling and storage	No Annual CO, VOC or NOx
NONPOINT	28-05-021-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - scrape dairy - Land application of manure	No Annual CO, VOC or NOx
NONPOINT	28-05-022-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - deep pit dairy - Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-022-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - deep pit dairy - Manure handling and storage	No Annual CO, VOC or NOx
NONPOINT	28-05-022-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - deep pit dairy - Land application of manure	No Annual CO, VOC or NOx
NONPOINT	28-05-023-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - drylot/pasture dairy - Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-023-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - drylot/pasture dairy - Manure handling and storage	No Annual CO, VOC or NOx
NONPOINT	28-05-023-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dairy cattle - drylot/pasture dairy - Land application of manure	No Annual CO, VOC or NOx
NONPOINT	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	28-05-030-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Not Elsewhere Classified (see also 28-05-007, -008, -009)	No Annual CO, VOC or NOx
NONPOINT	28-05-030-007	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Ducks	No Annual CO, VOC or NOx
NONPOINT	28-05-030-008	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste Emissions - Geese	No Annual CO, VOC or NOx

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	28-05-035-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Horses and Ponies Waste Emissions - Not Elsewhere Classified	Factor
NONPOINT	28-05-039-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine Waste - Swine Production - Operations with Lagoons (Unspecified Animal Age): Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-039-200	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine Waste - Swine Production - Operations with Lagoons (Unspecified Animal Age): Manure Handling and Storage	No Annual CO, VOC or NOx
NONPOINT	28-05-039-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine Waste - Swine Production - Operations with Lagoons (Unspecified Animal Age): Land Application of Manure	No Annual CO, VOC or NOx
NONPOINT	28-05-040-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Sheep and Lambs Waste Emissions - Total	Factor
NONPOINT	28-05-045-000	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Goats Waste Emissions - Not Elsewhere Classified	Factor
NONPOINT	28-05-047-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production - deep-pit house operations (unspecified animal age) - Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-047-300	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production - deep-pit house operations (unspecified animal age) - Land application of manure	No Annual CO, VOC or NOx
NONPOINT	28-05-053-100	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Swine production - outdoor operations (unspecified animal age) - Confinement	No Annual CO, VOC or NOx
NONPOINT	28-05-100-010	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	28-05-100-020	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Dairy Cattle	No Annual CO, VOC or NOx
NONPOINT	28-05-100-030	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Broilers	No Annual CO, VOC or NOx
NONPOINT	28-05-100-040	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Layers	No Annual CO, VOC or NOx

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	28-05-100-050	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Swine	No Annual CO, VOC or NOx
NONPOINT	28-05-100-060	Nonpoint	Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Turkeys	No Annual CO, VOC or NOx
NONPOINT	28-10-001-000	Event	Miscellaneous Area Sources - Other Combustion - as Event - Forest Wildfires - Total (Smoldering + Flaming) for Wildfires	Factor
NONPOINT	28-10-001-001	Nonpoint	Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Smoldering	Factor
NONPOINT	28-10-001-002	Nonpoint	Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Flaming	Factor
NONPOINT	28-10-005-000	Nonpoint	Miscellaneous Area Sources - Other Combustion - Managed Burning, Slash (Logging Debris) - Unspecified Burn Method (use 2610000500 for non-logging debris)	No Annual CO, VOC or NOx
NONPOINT	28-10-025-000	Nonpoint	Miscellaneous Area Sources - Other Combustion - Residential Grilling (see 23-02-002-xxx for Commercial) - Total	Factor
NONPOINT	28-10-060-100	Nonpoint	Miscellaneous Area Sources - Other Combustion - Cremation - Humans	Factor
NONPOINT	28-10-060-200	Nonpoint	Miscellaneous Area Sources - Other Combustion - Cremation - Animals	Factor
NONPOINT	28-11-015-000	Event	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Total (Smoldering + Flaming) for Wildfires	Factor
NONPOINT	28-11-015-001	Nonpoint	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering	Factor
NONPOINT	28-11-015-002	Nonpoint	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming	Factor
NONPOINT	28-11-020-002	Nonpoint	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Rangeland Burning - Flaming	No Annual CO, VOC or NOx
NONPOINT	28-11-021-000	Nonpoint	Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Rangeland Burning - Tallgrass Prairie - Total (Smoldering + Flaming)	No Annual CO, VOC or NOx
NONPOINT	28-50-001-000	Nonpoint	Miscellaneous Area Sources - Health Services - Dental Alloy Production - Overall Process	No Annual CO, VOC or NOx
NONPOINT	28-51-001-000	Nonpoint	Miscellaneous Area Sources - Laboratories - Bench Scale Reagents - Total	No Annual CO, VOC or NOx

PEI Section / PEI Sector	SCC	EPA Data Category	SCC Description	Summer Day Allocation Method
NONPOINT	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	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: 2020 Summer Day Allocation Factors

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
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	0.000	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
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	0.000	0	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
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	0.000	0	7	13
21-04-008-210	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; non-EPA certified	0.000	0	7	13
21-04-008-220	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; EPA certified; non-catalytic	0.000	0	7	13
21-04-008-230	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: fireplace inserts; EPA certified; catalytic	0.000	0	7	13
21-04-008-310	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, non-EPA certified	0.000	0	7	13
21-04-008-320	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, EPA certified, non-catalytic	0.000	0	7	13
21-04-008-330	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: freestanding, EPA certified, catalytic	0.000	0	7	13
21-04-008-400	Stationary Source Fuel Combustion _ Residential _ Wood _ Woodstove: pellet-fired, general (freestanding or FP insert)	0.000	0	7	13
21-04-008-510	Stationary Source Fuel Combustion _ Residential _ Wood _ Furnace: Indoor, cordwood-fired, non-EPA certified	0.000	0	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
21-04-008-530	Stationary Source Fuel Combustion _ Residential _ Wood _ Furnace: Indoor, pellet-fired, general	0.655	2.98	7	13
21-04-008-610	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: outdoor	0.000	0	7	13
21-04-008-620	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: indoor	0.655	2.98	7	13
21-04-008-630	Stationary Source Fuel Combustion _ Residential _ Wood _ Hydronic heater: pellet-fired	0.655	2.98	7	13
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	0.000	0	7	13
21-04-011-000	Stationary Source Fuel Combustion _ Residential _ Kerosene _ Total: All Heater Types	2.692	12.25	7	13
22-80-002-100	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ Port emissions	5.495	25	7	13
22-80-002-101	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C1C2 Port emissions: Main Engine	5.495	25	7	13
22-80-002-102	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C1C2 Port emissions: Auxiliary Engine	5.495	25	7	13
22-80-002-103	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C3 Port emissions: Main Engine	5.495	25	7	13
22-80-002-104	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C3 Port emissions: Auxiliary Engine	5.495	25	7	13
22-80-002-200	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ Underway emissions	5.495	25	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
22-80-002-201	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C1C2 Underway emissions: Main Engine	5.495	25	7	13
22-80-002-202	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C1C2 Underway emissions: Auxiliary Engine	5.495	25	7	13
22-80-002-203	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C3 Underway emissions: Main Engine	5.495	25	7	13
22-80-002-204	Mobile Sources _ Marine Vessels, Commercial _ Diesel _ C3 Underway emissions: Auxiliary Engine	5.495	25	7	13
22-80-003-100	Mobile Sources _ Marine Vessels, Commercial _ Residual _ Port emissions	5.495	25	7	13
22-80-003-103	Mobile Sources _ Marine Vessels, Commercial _ Residual _ C3 Port emissions: Main Engine	5.495	25	7	13
22-80-003-104	Mobile Sources _ Marine Vessels, Commercial _ Residual _ C3 Port emissions: Auxiliary Engine	5.495	25	7	13
22-80-003-200	Mobile Sources _ Marine Vessels, Commercial _ Residual _ Underway emissions	5.495	25	7	13
22-80-003-203	Mobile Sources _ Marine Vessels, Commercial _ Residual _ C3 Underway emissions: Main Engine	5.495	25	7	13
22-80-003-204	Mobile Sources _ Marine Vessels, Commercial _ Residual _ C3 Underway emissions: Auxiliary Engine	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 SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
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
24-01-025-000	Solvent Utilization _ Surface Coating _ Metal Furniture: SIC 25 _ Total: All Solvent Types	7.692	25	5	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
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
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

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
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
24-60-030-999	Solvent Utilization _ Miscellaneous Non-industrial: Consumer and Commercial _ Lighter Fluid, Fire Starter, Other Fuels _ Total: All Volatile Chemical Product Types	5.495	25	7	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
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
24-61-022-000	Solvent Utilization _ Miscellaneous Non-industrial: Commercial _ Emulsified Asphalt _ Total: All Solvent Types	5.527	25.15	7	13
24-61-025-100	Solvent Utilization _ Miscellaneous Non-industrial: Commercial _ Asphalt Paving: Hot and Warm Mix _ Hot Mix Total: All Solvent Types	7.451	33.9	7	13
24-61-025-200	Solvent Utilization _ Miscellaneous Non-industrial: Commercial _ Asphalt Paving: Hot and Warm Mix _ Warm Mix Total: All Solvent Types	7.451	33.9	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
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
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
25-01-050-120	Storage and Transport _ Petroleum and Petroleum Product Storage _ Bulk Terminals: All Evaporative Losses _ Gasoline	5.495	25	7	13
25-01-055-120	Storage and Transport _ Petroleum and Petroleum Product Storage _ Bulk Plants: All Evaporative Losses _ Gasoline	5.495	25	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
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
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

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
28-01-500-000	Miscellaneous Area Sources _ Agriculture Production - Crops _ Agricultural Field Burning - whole field set on fire _ Unspecified crop type and Burn Method	0.000	0	7	13
28-02-004-001	Miscellaneous Area Sources _ Agricultural Crop Usage _ Agriculture Silage _ Storage	6.960	31.67	7	13
28-02-004-002	Miscellaneous Area Sources _ Agricultural Crop Usage _ Agriculture Silage _ Mixing	6.960	31.67	7	13
28-02-004-003	Miscellaneous Area Sources _ Agricultural Crop Usage _ Agriculture Silage _ Feeding	6.960	31.67	7	13
28-05-001-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Dust kicked up by Livestock _ Beef cattle - finishing operations on feedlots (drylots)	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 Waste _ 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
28-05-010-100	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Poultry production - turkeys _ Confinement	11.703	53.25	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
28-05-035-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Horses and Ponies Waste Emissions _ Not Elsewhere Classified	11.380	51.78	7	13
28-05-040-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Sheep and Lambs Waste Emissions _ Total	11.380	51.78	7	13

SCC	SCC Description SCC Level One _ SCC Level Two_ SCC Level Three_ SCC Level Four	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer
28-05-045-000	Miscellaneous Area Sources _ Agriculture Production - Livestock _ Goats Waste Emissions _ Not Elsewhere Classified	11.380	51.78	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 _ Forest Wildfires _ Smoldering	2.052	9.336	7	13
28-10-001-002	Miscellaneous Area Sources _ Other Combustion _ 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
28-10-060-100	Miscellaneous Area Sources _ Other Combustion _ Cremation _ Humans	5.495	25	7	13
28-10-060-200	Miscellaneous Area Sources _ Other Combustion _ Cremation _ Animals	5.495	25	7	13
28-11-015-000	Miscellaneous Area Sources _ Other Combustion - as Event _ Prescribed Forest Burning _ Total (Smoldering + Flaming) for Wildfires	0.000	0	7	13
28-11-015-001	Miscellaneous Area Sources _ Other Combustion - as Event _ Prescribed Forest Burning _ Smoldering	0.000	0	7	13
28-11-015-002	Miscellaneous Area Sources _ Other Combustion - as Event _ Prescribed Forest Burning _ Flaming	0.000	0	7	13

Table D-3: New Allocation Factors for SCCs

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 for profile information where an EPA Temporal Profile is mentioned)
Placeholder	21-04-005-000	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	21-04-008-530	0.655	2.98	7	13	Simplified EPA temporal data for the SCC not found but SCC 21-04-008-530 (Furnace: Indoor, pellet-fired, general) is expected to be similar to SCCs 21-04-008-620 (Hydronic heater: indoor) and 21-04-008-630 (Hydronic heater: pellet-fired).
New	21-04-008-620	0.655	2.98	7	13	The summer day allocation was calculated from EPA monthly temporal profile 17751 (17751x) (atref_2017platform_rwc_29apr2020_v1 with profile definiton file amptpro_general_2011platform_tpro_monthly_6nov2014_30nov2018_nf_v9 in 2016v2_temporal_ge_dat_15sep2
New	21-04-008-630	0.655	2.98	7	13	The summer day allocation was calculated from EPA monthly temporal profile 17751 (17751x) (atref_2017platform_rwc_29apr2020_v1 with profile definiton file amptpro_general_2011platform_tpro_monthly_6nov2014_30nov2018_nf_v9 in 2016v2_temporal_ge_dat_15sep2
MOVES SCC	22-01-41-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-01-62-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-02-11-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-00-0062	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-11-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-21-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-31-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-32-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-41-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-43-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-51-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 for profile information where an EPA Temporal Profile is mentioned)
MOVES SCC	22-03-52-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-53-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-54-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-61-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-03-62-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-00-0062	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-11-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-21-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-31-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-32-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-41-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-42-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-43-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-51-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-52-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-53-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-54-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-61-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-04-62-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-00-0062	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-11-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-41-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-42-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-43-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-51-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-52-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 for profile information where an EPA Temporal Profile is mentioned)
MOVES SCC	22-05-53-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-54-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-61-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-05-62-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-00-0062	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-11-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-21-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-31-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-32-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-41-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-42-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-43-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-51-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-52-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-53-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-54-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-61-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
MOVES SCC	22-09-62-0080	N/A	N/A	N/A	N/A	MOVES Run (ONROAD)
New	23-10-000-551	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-000-552	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-000-553	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-011-001	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-011-600	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	23-10-021-801	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 for profile information where an EPA Temporal Profile is mentioned)
New	24-60-030-999	5.495	25	7	13	The summer day allocation was calculated from EPA monthly temporal profile 262. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platform_t
Non-Zero	24-61-022-000	5.527	25.15	7	13	The summer day allocation was calculated from EPA monthly temporal profile 258. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platform_ttpro_weekly_6nov2014_09sep2016_v2 in https://gaftp.epa.gov/Air/emismod/2022/v1/smoke_2022v1_platform_2022-2026_core_24jan2025.zip on the https://gaftp.epa.gov/Air/emismod/2022/v1/
New	24-61-025-100	7.451	33.9	7	13	The summer day allocation was calculated from EPA monthly temporal profile AP1. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platform_tpro_weekly_6nov2014_09sep2016_v2 in https://gaftp.epa.gov/Air/emismod/2022/v1/smoke_2022v1_platform_2022-2026_core_24jan2025.zip on the https://gaftp.epa.gov/Air/emismod/2022/v1/
New	24-61-025-200	7.451	33.9	7	13	The summer day allocation was calculated from EPA monthly temporal profile AP1. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 for profile information where an EPA Temporal Profile is mentioned)
						amptpro_general_2011platform_tpro_weekly_6nov2014_09sep2016_v2 in https://gaftp.epa.gov/Air/emismod/2022/v1/smoke_2022v1_platform_2022-2026_core_24jan2025.zip on the https://gaftp.epa.gov/Air/emismod/2022/v1/
Formerly Data	25-01-050-120	5.495	25	7	13	The summer day allocation was calculated from EPA monthly temporal profile 262. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platform_t
Formerly Data	25-01-055-120	5.495	25	7	13	The summer day allocation was calculated from EPA monthly temporal profile 262. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platform_t
New	28-02-004-001	6.960	31.67	7	13	The summer day allocation was calculated from EPA monthly temporal profile DA00000. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platfo
New	28-02-004-002	6.960	31.67	7	13	The summer day allocation was calculated from EPA monthly temporal profile DA00000. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platfo

Change Type	SCC	Annual Ton to Summer Pound Factor	Summer Season Adjustment Factor [%]	Days per Week	Weeks per Summer	Summer Season Adjustment Factor Justification (See Tables D-4 and D-5 for profile information where an EPA Temporal Profile is mentioned)
New	28-02-004-003	6.960	31.67	7	13	The summer day allocation was calculated from EPA monthly temporal profile DA00000. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platfo
Replace	28-05-100-010	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-100-020	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-100-030	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-100-040	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-100-050	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-05-100-060	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-10-005-000	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
Non-Zero	28-10-060-200	5.495	25	7	13	The summer day allocation was calculated from EPA monthly temporal profile 262. (amptref_general_2017platform_15feb2024_nf_v14 with profiles defined in amptpro_general_2011platform_tpro_monthly_6nov2014_25may2023_nf_v12 and amptpro_general_2011platform_t
New	28-11-020-002	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions
New	28-11-021-000	N/A	N/A	N/A	N/A	Factor not required zero NOx, VOC and CO Emissions

Table D-4: EPA Summer Day Allocation Profile Identifiers by SCC

SCC	State FIPS	Profile Type	Profile Identifier
21-04-008-530	-	MONTHLY	17751
21-04-008-530	-	WEEKLY	7
21-04-008-620	-	MONTHLY	17751
21-04-008-620	-	WEEKLY	7
21-04-008-630	-	MONTHLY	17751
21-04-008-630	-	WEEKLY	7
24-60-030-999	-	MONTHLY	262
24-60-030-999	-	WEEKLY	7
24-61-022-000	-	MONTHLY	258
24-61-022-000	-	WEEKLY	7
24-61-025-100	-	MONTHLY	AP1
24-61-025-100	-	WEEKLY	7
24-61-025-200	-	MONTHLY	AP1
24-61-025-200	-	WEEKLY	7
28-02-004-001	00000	MONTHLY	DA00000
28-02-004-001	00000	WEEKLY	7
28-02-004-002	00000	MONTHLY	DA00000
28-02-004-002	00000	WEEKLY	7
28-02-004-003	00000	MONTHLY	DA00000
28-02-004-003	00000	WEEKLY	7
28-10-060-200	00000	MONTHLY	262
28-10-060-200	00000	WEEKLY	7

Table D-5: EPA Summer Day Monthly Allocation Profiles for SCCs Needing a New Summer Day Allocation Factor

Calendar Month	Monthly Profile Identifier and Monthly Percentages				
	262	258	17751	AP1	DA00000
January	8.33%	8.28%	14.09%	5.44%	2.82%
February	8.33%	8.28%	13.19%	5.47%	3.22%
March	8.33%	8.18%	14.09%	7.30%	9.02%
April	8.33%	8.18%	11.81%	9.38%	11.87%
May	8.33%	8.18%	2.28%	9.39%	7.69%
June	8.33%	8.38%	1.29%	11.68%	9.68%
July	8.33%	8.38%	0.79%	10.51%	11.00%
August	8.33%	8.38%	0.89%	11.72%	10.99%
September	8.33%	8.48%	1.69%	9.26%	10.78%
October	8.33%	8.48%	11.71%	8.22%	11.77%
November	8.33%	8.48%	13.39%	7.03%	6.77%
December	8.33%	8.28%	14.78%	4.62%	4.39%
Calculated Summer Season Percentage	**25.00%**	**25.15%**	**2.98%**	**33.90%**	**31.67%**

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

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

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	2	13	35.0	55.5
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

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	2	13	33.9	52.8
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

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	4	3	40.4	69.7
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

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	4	3	38.9	69.5
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

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	5	17	69.3	49.9
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

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	5	17	69.3	45.4
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

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	7	7	64.6	81.7
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

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	7	7	63.7	83.5
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

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	8	21	71.2	71.4
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

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	8	21	70.0	71.1
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

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	10	11	55.3	63.2
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

Table E-2: MOVES Annual Meteorological Inputs for Hartford County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90030	10	11	53.9	61.3
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

Table E-1: MOVES Annual Meteorological Inputs for Fairfield County

Zone ID	Month ID	Hour ID	Temperature [°F]	Relative Humidity [%]
90010	12	1	28.9	68.3
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	1	26.2	70.1
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	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

Note: 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.

Table E-10: MOVES Summer Day Meteorological Inputs for the Greater Connecticut Ozone Non-Attainment Area

Zone ID	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

Note: 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: MOVES4.0.1 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	16,785	18,981	7,540	5,624	18,643	8,983	5,553	5,572	
21	Passenger Car	313,768	331,548	68,752	62,927	308,077	100,596	52,122	43,340	
31	Passenger Truck	391,470	328,093	93,128	75,833	312,934	113,992	63,796	51,685	
32	Light Commercial Truck	31,706	30,335	6,386	5,389	23,723	5,687	2,708	2,261	
41	Intercity Bus	50	144	6	1	46	8	10	5	
42	Transit Bus	250	134	16	35	81	26	26	18	
43	School Bus	1,733	2,353	406	348	1,968	639	302	307	
51	Refuse Truck	134	164	66	79	128	37	14	71	
52	Single Unit Short-Haul Truck	15,745	17,414	5,740	4,091	13,263	5,195	3,090	3,215	
53	Single Unit Long-Haul Truck	1,383	1,530	504	359	1,165	456	272	283	
54	Motor Home	616	1,170	544	415	971	698	461	458	
61	Combination Short-Haul Truck	1,695	3,075	614	379	1,883	537	294	336	
62	Combination Long-Haul Truck	2,089	3,790	757	476	2,322	662	362	414	
All Source Types		**777,424**	**738,731**	**184,459**	**155,956**	**685,204**	**237,516**	**129,010**	**107,965**	

Table E-12: MOVES4.0.1 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
2020	0	0.016295857	0.014071425	0.032225247	0.036856869	0.008743169	0.001706485	0.087894477	0.037518038	0.022445761	0.030156089	0.018185227	0.051902116	0.068751122
2020	1	0.031040814	0.039549283	0.078200294	0.094468933	0.07894657	0.097269625	0.112919132	0.043463203	0.052180266	0.060476775	0.034870641	0.048240531	0.060727926
2020	2	0.034507532	0.045231737	0.079300166	0.085943307	0.018260474	0.064846416	0.058308679	0.053391053	0.041569598	0.046487143	0.041057368	0.034958296	0.045516656
2020	3	0.033914541	0.055333096	0.076995807	0.083098222	0.074165149	0.201365188	0.098249507	0.033189033	0.053491139	0.054457156	0.038807649	0.033484125	0.039765914
2020	4	0.040083931	0.055206276	0.075537803	0.077592096	0.038934426	0.09556314	0.064595661	0.056450216	0.058461773	0.052786088	0.034120735	0.046966872	0.059365973
2020	5	0.03577334	0.061190378	0.071609231	0.075273784	0.089912043	0.046075085	0.065212032	0.025974026	0.050407835	0.051769811	0.020997375	0.048904519	0.05154474
2020	6	0.034895257	0.05792473	0.060370381	0.05867469	0.092577413	0.061433447	0.097016765	0.028860029	0.033763399	0.033129865	0.029433821	0.034705948	0.040745463
2020	7	0.031998723	0.06584046	0.050362484	0.050850974	0.030166232	0.034129693	0.077292899	0.012987013	0.031752994	0.030519822	0.019497563	0.034202434	0.039778692
2020	8	0.032363641	0.059539124	0.046128311	0.0486525	0.021857924	0.087030717	0.090729783	0.028860029	0.039747327	0.041344687	0.012748406	0.030795641	0.039164777
2020	9	0.023822285	0.048622869	0.048871934	0.045318097	0.035205698	0.027303754	0.074457594	0.020548341	0.032819482	0.03210146	0.015373078	0.021020237	0.021733403
2020	10	0.021724008	0.046068278	0.034795815	0.029304384	0.022607033	0.023890785	0.059664694	0.012987013	0.015680099	0.014490278	0.010873641	0.016597166	0.017857252
2020	11	0.038156709	0.041414421	0.025869051	0.020049942	0.026953593	0.030716724	0.056336292	0.014603175	0.017245023	0.017875928	0.008061492	0.021944467	0.023791045
2020	12	0.040346216	0.049182607	0.03856162	0.037861966	0.008308308	0.042662116	0.024778107	0.029033189	0.03955523	0.040569937	0.027184102	0.018590274	0.019028332
2020	13	0.051225325	0.050368707	0.036036535	0.032699773	0.057635915	0.027303754	0.012080868	0.053564214	0.044334753	0.040161891	0.02999625	0.053164308	0.055925683
2020	14	0.052149023	0.043435098	0.035940712	0.036332297	0.013888889	0.032423208	0.013067061	0.054834055	0.058271709	0.047758052	0.038057743	0.047612932	0.03904239
2020	15	0.048545461	0.041091351	0.036567687	0.031484853	0.017744384	0.006825939	0.001972387	0.056277056	0.048489204	0.039280785	0.037495313	0.042214929	0.036401168
2020	16	0.040004105	0.03663147	0.036378557	0.030704243	0.029933212	0.010238908	0.001849112	0.042020202	0.037727486	0.029816547	0.041244844	0.03101251	0.022295749
2020	17	0.047576148	0.033622575	0.027646233	0.025197007	0.03955677	0.04778157	0.000616371	0.033189033	0.030207977	0.026273971	0.044056993	0.026534008	0.02097567
2020	18	0.039502343	0.028178852	0.023266986	0.020097566	0.031325178	0.010238908	0.000739645	0.027590188	0.032441391	0.024970912	0.038995126	0.021235733	0.015726659
2020	19	0.033150494	0.023460145	0.017825453	0.015914018	0.026801802	0.005119454	0.000369822	0.047619048	0.030695606	0.029129398	0.027184102	0.035140898	0.023739968
2020	20	0.027699536	0.021190143	0.014568251	0.013205491	0.036262902	0.003412969	0.000739645	0.049062049	0.032467267	0.02914614	0.039745032	0.039974402	0.033880288
2020	21	0.023959129	0.015420029	0.011700975	0.010912783	0.032074287	0	0.000493097	0.034632035	0.029282213	0.028449078	0.037495313	0.030046492	0.027894852
2020	22	0.018291501	0.011809021	0.008580617	0.005991942	0.041283497	0.006825939	0.000369822	0.017316017	0.013551529	0.014355578	0.026809149	0.024341789	0.021916921

YearID	ageID	Source Type ID												
		11	21	31	32	41	42	43	51	52	53	54	61	62
2020	23	0.015372159	0.009154661	0.007440287	0.006977951	0.004604605	0	0	0.014430014	0.019721036	0.016778291	0.031308586	0.021186048	0.018261288
2020	24	0.014266002	0.006204877	0.004410874	0.003977438	0.021914127	0.035836177	0	0.021645022	0.011319721	0.012642869	0.02455943	0.01910039	0.01879522
2020	25	0.012156322	0.005530681	0.004125159	0.003565407	0.012679893	0	0.000246548	0.027590188	0.015429168	0.014850013	0.028308961	0.025924868	0.022128357
2020	26	0.009590494	0.003843769	0.003058055	0.00317413	0.018210424	0	0	0.014430014	0.01070531	0.01002129	0.020622422	0.016605771	0.015847053
2020	27	0.008689603	0.003161102	0.00182752	0.00239102	0.00462963	0	0	0.015873016	0.007929059	0.008420735	0.016497938	0.01085075	0.012759456
2020	28	0.006933437	0.002479918	0.001196391	0.001384905	0.009209209	0	0	0.011544012	0.006020219	0.007021182	0.015185602	0.007742587	0.009561042
2020	29	0.00561061	0.002181711	0.00090049	0.001241016	0.003703704	0	0	0.007215007	0.005815648	0.007634938	0.009186352	0.007539429	0.009526344
2020	30	0.130355453	0.023061206	0.009701073	0.010802398	0.051903543	0	0	0.073304473	0.07647078	0.107123291	0.182039745	0.097459528	0.067550598
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 Road Type (Connecticut 2015 – 2017)

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%	0.91%	1.23%	1.11%	0.89%	0.58%
Passenger Car	69.18%	79.47%	73.19%	74.53%	73.71%	74.91%	75.89%
Light Truck	11.83%	14.11%	18.23%	17.62%	19.48%	19.40%	16.96%
Buses	1.28%	0.10%	0.64%	0.90%	0.42%	0%	0.41%
2-Axle, 6-Tire Single Trucks	1.93%	3.21%	3.06%	2.97%	2.81%	2.49%	1.97%
3-Axle Single Trucks	0.50%	0.60%	0.73%	0.66%	0.87%	1.12%	2.38%
4 Or More Axle Single Trucks	0.25%	0.23%	0.61%	0.36%	0.29%	0.20%	0.19%
4 Or Less Axle Trailer Trucks	1.66%	0.42%	1.00%	1.00%	0.64%	0.52%	1.34%
5-Axle Trailer Trucks	12.09%	1.86%	1.49%	0.61%	0.59%	0.25%	0.24%
6 Or More Axle Trailer Trucks	0.24%	0.03%	0.09%	0.05%	0.07%	0.01%	0%
5 Or Less Axle Tandem Trucks	0.54%	0%	0.04%	0%	0%	0%	0%
6-Axle Tandem Trucks	0.30%	0%	0.01%	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 Road Type (Connecticut 2015 – 2017)

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	0.26%	0.29%	1.15%	0.95%	0.97%	1.36%	1.05%
Passenger Car	77.74%	81.48%	78.22%	78.47%	74.81%	72.53%	78.73%
Light Truck	12.00%	12.90%	14.90%	15.97%	18.53%	19.97%	14.82%
Buses	0.23%	0.17%	0.37%	0.25%	0.24%	1%	0.33%
2-Axle, 6-Tire Single Trucks	1.83%	1.74%	2.13%	1.96%	2.67%	3.65%	2.19%
3-Axle Single Trucks	0.58%	0.56%	0.72%	0.66%	1.03%	0.95%	1.79%
4 Or More Axle Single Trucks	0.33%	0.24%	0.34%	0.25%	0.28%	0.14%	0.17%
4 Or Less Axle Trailer Trucks	0.97%	0.37%	1.24%	0.76%	0.89%	0.57%	0.48%
5-Axle Trailer Trucks	5.65%	2.11%	0.66%	0.38%	0.44%	0.19%	0.35%
6 Or More Axle Trailer Trucks	0.11%	0.04%	0.11%	0.08%	0.09%	0.03%	0.09%
5 Or Less Axle Tandem Trucks	0.17%	0.05%	0.13%	0%	0%	0%	0%
6-Axle Tandem Trucks	0.05%	0.02%	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: Statewide and County MOVES Source Use Type VMT Fraction by MOVES Road Type and All Road Types

countyID	sourceTypeID	sourceTypeName	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	All Road Types
CT Statewide	**11**	**Motorcycle**	0.0006312	0.0096902	0.0026883	0.0104938	0.0067757
CT Statewide	**21**	**Passenger Car**	0.3748421	0.3963387	0.4086365	0.4179765	0.4115496
CT Statewide	**31**	**Passenger Truck**	0.5199825	0.5265738	0.5013737	0.5040389	0.5045708
CT Statewide	**32**	**Light Commercial Truck**	0.0305817	0.0326343	0.0401655	0.0385418	0.0387141
CT Statewide	**41**	**Other Buses**	0.0001510	0.0000618	0.0001202	0.0000771	0.0000970
CT Statewide	**42**	**Transit Bus**	0.0004887	0.0002085	0.0003125	0.0001932	0.0002538
CT Statewide	**43**	**School Bus**	0.0024899	0.0012007	0.0015618	0.0009546	0.0012736
CT Statewide	**51**	**Refuse Truck**	0.0002155	0.0001124	0.0001330	0.0000814	0.0001092
CT Statewide	**52**	**Single Unit Short-haul Truck**	0.0150865	0.0071425	0.0098130	0.0060286	0.0079798
CT Statewide	**53**	**Single Unit Long-haul Truck**	0.0020179	0.0009543	0.0013107	0.0008053	0.0010659
CT Statewide	**54**	**Motor Home**	0.0008078	0.0003110	0.0002960	0.0001799	0.0002541
CT Statewide	**61**	**Combination Short-haul Truck**	0.0128747	0.0060493	0.0082012	0.0050370	0.0066797
CT Statewide	**62**	**Combination Long-haul Truck**	0.0398304	0.0187226	0.0253875	0.0155918	0.0206766
Connecticut Statewide Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
Fairfield	11	Motorcycle	0.0000930	0.0093010	0.0027109	0.0103559	0.0066921
Fairfield	21	Passenger Car	0.3833508	0.3845156	0.3789748	0.3881306	0.3837257
Fairfield	31	Passenger Truck	0.5316721	0.5289622	0.5287107	0.5302732	0.5295164
Fairfield	32	Light Commercial Truck	0.0441955	0.0431796	0.0445170	0.0426118	0.0435271
Fairfield	41	Other Buses	0.0000821	0.0000687	0.0000910	0.0000578	0.0000738
Fairfield	42	Transit Bus	0.0004688	0.0003922	0.0005194	0.0003298	0.0004210
Fairfield	43	School Bus	0.0011709	0.0009795	0.0012973	0.0008238	0.0010514
Fairfield	51	Refuse Truck	0.0001019	0.0000853	0.0001130	0.0000717	0.0000915
Fairfield	52	Single Unit Short-haul Truck	0.0085871	0.0071843	0.0095153	0.0060419	0.0077113
Fairfield	53	Single Unit Long-haul Truck	0.0011469	0.0009595	0.0012709	0.0008070	0.0010299
Fairfield	54	Motor Home	0.0001366	0.0001143	0.0001513	0.0000961	0.0001226
Fairfield	61	Combination Short-haul Truck	0.0070803	0.0059237	0.0078456	0.0049817	0.0063582
Fairfield	62	Combination Long-haul Truck	0.0219140	0.0183341	0.0242828	0.0154187	0.0196790
Fairfield Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

countyID	sourceTypeID	sourceTypeName	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	All Road Types
Hartford	11	Motorcycle	0.0000000	0.0099470	0.0026797	0.0105352	0.0070256
Hartford	21	Passenger Car	0.4402239	0.4349637	0.4283225	0.4402364	0.4348825
Hartford	31	Passenger Truck	0.4801302	0.4750516	0.4751540	0.4766723	0.4759832
Hartford	32	Light Commercial Truck	0.0447004	0.0443654	0.0459155	0.0436505	0.0446663
Hartford	41	Other Buses	0.0001684	0.0001719	0.0002309	0.0001393	0.0001804
Hartford	42	Transit Bus	0.0001789	0.0001826	0.0002453	0.0001479	0.0001916
Hartford	43	School Bus	0.0011314	0.0011550	0.0015518	0.0009359	0.0012123
Hartford	51	Refuse Truck	0.0000958	0.0000978	0.0001314	0.0000793	0.0001027
Hartford	52	Single Unit Short-haul Truck	0.0072953	0.0074470	0.0100055	0.0060344	0.0078165
Hartford	53	Single Unit Long-haul Truck	0.0009746	0.0009949	0.0013367	0.0008062	0.0010442
Hartford	54	Motor Home	0.0001992	0.0002034	0.0002733	0.0001648	0.0002135
Hartford	61	Combination Short-haul Truck	0.0060806	0.0062071	0.0083398	0.0050297	0.0065152
Hartford	62	Combination Long-haul Truck	0.0188211	0.0192127	0.0258137	0.0155682	0.0201660
Hartford Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
Litchfield	11	Motorcycle	0.0000000	0.0097074	0.0028998	0.0107947	0.0088508
Litchfield	21	Passenger Car	0.3699202	0.3658287	0.3730538	0.3693735	0.3685633
Litchfield	31	Passenger Truck	0.5561156	0.5504592	0.5566628	0.5518817	0.5521774
Litchfield	32	Light Commercial Truck	0.0390076	0.0386893	0.0383883	0.0381717	0.0384316
Litchfield	41	Other Buses	0.0000464	0.0000469	0.0000385	0.0000395	0.0000425
Litchfield	42	Transit Bus	0.0001413	0.0001427	0.0001172	0.0001203	0.0001292
Litchfield	43	School Bus	0.0012915	0.0013048	0.0010713	0.0011002	0.0011814
Litchfield	51	Refuse Truck	0.0001157	0.0001168	0.0000959	0.0000985	0.0001058
Litchfield	52	Single Unit Short-haul Truck	0.0072114	0.0072854	0.0059816	0.0061432	0.0065967
Litchfield	53	Single Unit Long-haul Truck	0.0009628	0.0009727	0.0007986	0.0008202	0.0008807
Litchfield	54	Motor Home	0.0002778	0.0002807	0.0002304	0.0002367	0.0002541
Litchfield	61	Combination Short-haul Truck	0.0060812	0.0061436	0.0050441	0.0051804	0.0055628
Litchfield	62	Combination Long-haul Truck	0.0188286	0.0190219	0.0156177	0.0160394	0.0172236
Litchfield Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
Middlesex	11	Motorcycle	0.0000000	0.0099480	0.0027145	0.0105057	0.0062584

countyID	sourceTypeID	sourceTypeName	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	All Road Types
Middlesex	21	Passenger Car	0.3982736	0.3957945	0.3896466	0.3981235	0.3936633
Middlesex	31	Passenger Truck	0.5289333	0.5243165	0.5242128	0.5251311	0.5247006
Middlesex	32	Light Commercial Truck	0.0378446	0.0373010	0.0385926	0.0369925	0.0378466
Middlesex	41	Other Buses	0.0000080	0.0000075	0.0000103	0.0000067	0.0000086
Middlesex	42	Transit Bus	0.0003209	0.0002998	0.0004117	0.0002686	0.0003447
Middlesex	43	School Bus	0.0011498	0.0010738	0.0014750	0.0009622	0.0012347
Middlesex	51	Refuse Truck	0.0001920	0.0001793	0.0002463	0.0001607	0.0002062
Middlesex	52	Single Unit Short-haul Truck	0.0071286	0.0066577	0.0091449	0.0059657	0.0076554
Middlesex	53	Single Unit Long-haul Truck	0.0009512	0.0008884	0.0012202	0.0007960	0.0010215
Middlesex	54	Motor Home	0.0002940	0.0002745	0.0003771	0.0002460	0.0003157
Middlesex	61	Combination Short-haul Truck	0.0060824	0.0056806	0.0078028	0.0050902	0.0065319
Middlesex	62	Combination Long-haul Truck	0.0188215	0.0175783	0.0241452	0.0157511	0.0202124
Middlesex Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
New Haven	11	Motorcycle	0.0011081	0.0103294	0.0026852	0.0105334	0.0065499
New Haven	21	Passenger Car	0.3822741	0.4330214	0.4267606	0.4380279	0.4320279
New Haven	31	Passenger Truck	0.4700591	0.4844336	0.4848635	0.4860914	0.4853712
New Haven	32	Light Commercial Truck	0.0430845	0.0369237	0.0382288	0.0363750	0.0373458
New Haven	41	Other Buses	0.0002125	0.0000725	0.0000975	0.0000595	0.0000795
New Haven	42	Transit Bus	0.0004271	0.0001457	0.0001959	0.0001196	0.0001598
New Haven	43	School Bus	0.0037387	0.0012752	0.0017149	0.0010468	0.0013985
New Haven	51	Refuse Truck	0.0002901	0.0000989	0.0001331	0.0000812	0.0001085
New Haven	52	Single Unit Short-haul Truck	0.0215510	0.0073505	0.0098851	0.0060342	0.0080613
New Haven	53	Single Unit Long-haul Truck	0.0028784	0.0009817	0.0013203	0.0008059	0.0010767
New Haven	54	Motor Home	0.0006414	0.0002187	0.0002942	0.0001796	0.0002399
New Haven	61	Combination Short-haul Truck	0.0179982	0.0061386	0.0082555	0.0050394	0.0067323
New Haven	62	Combination Long-haul Truck	0.0557368	0.0190101	0.0255656	0.0156060	0.0208487
New Haven Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
New London	11	Motorcycle	0.0000210	0.0095736	0.0026476	0.0103176	0.0059667
New London	21	Passenger Car	0.4176282	0.4142473	0.4053423	0.4187099	0.4114177

countyID	sourceTypeID	sourceTypeName	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	All Road Types
New London	31	Passenger Truck	0.5201468	0.5154085	0.5145316	0.5168351	0.5156387
New London	32	Light Commercial Truck	0.0259746	0.0256790	0.0267777	0.0252881	0.0261104
New London	41	Other Buses	0.0000408	0.0000395	0.0000571	0.0000325	0.0000460
New London	42	Transit Bus	0.0001514	0.0001467	0.0002119	0.0001206	0.0001708
New London	43	School Bus	0.0013408	0.0012987	0.0018764	0.0010677	0.0015124
New London	51	Refuse Truck	0.0000736	0.0000713	0.0001030	0.0000586	0.0000831
New London	52	Single Unit Short-haul Truck	0.0074119	0.0071791	0.0103725	0.0059021	0.0083606
New London	53	Single Unit Long-haul Truck	0.0009893	0.0009582	0.0013844	0.0007877	0.0011159
New London	54	Motor Home	0.0004048	0.0003921	0.0005665	0.0003223	0.0004566
New London	61	Combination Short-haul Truck	0.0063031	0.0061051	0.0088208	0.0050191	0.0071098
New London	62	Combination Long-haul Truck	0.0195137	0.0189008	0.0273082	0.0155386	0.0220112
New London Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
Tolland	11	Motorcycle	0.0010718	0.0095133	0.0026187	0.0106413	0.0069849
Tolland	21	Passenger Car	0.3548948	0.4001673	0.3902209	0.4041462	0.3914698
Tolland	31	Passenger Truck	0.5171992	0.5325767	0.5310744	0.5337832	0.5299594
Tolland	32	Light Commercial Truck	0.0256467	0.0221083	0.0231383	0.0217780	0.0228335
Tolland	41	Other Buses	0.0002613	0.0000920	0.0001367	0.0000766	0.0001259
Tolland	42	Transit Bus	0.0007754	0.0002731	0.0004057	0.0002272	0.0003736
Tolland	43	School Bus	0.0032451	0.0011428	0.0016980	0.0009509	0.0015635
Tolland	51	Refuse Truck	0.0001305	0.0000460	0.0000683	0.0000382	0.0000629
Tolland	52	Single Unit Short-haul Truck	0.0206531	0.0072733	0.0108070	0.0060521	0.0099507
Tolland	53	Single Unit Long-haul Truck	0.0027644	0.0009735	0.0014465	0.0008101	0.0013319
Tolland	54	Motor Home	0.0012525	0.0004411	0.0006554	0.0003670	0.0006035
Tolland	61	Combination Short-haul Truck	0.0176203	0.0062052	0.0092200	0.0051633	0.0084895
Tolland	62	Combination Long-haul Truck	0.0544849	0.0191876	0.0285099	0.0159659	0.0262509
Tolland Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
Windham	11	Motorcycle	0.0009038	0.0097769	0.0026148	0.0106280	0.0069601
Windham	21	Passenger Car	0.3672976	0.4065738	0.3947481	0.4092561	0.3982066
Windham	31	Passenger Truck	0.5151818	0.5275265	0.5254693	0.5282790	0.5252391

countyID	sourceTypeID	sourceTypeName	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	All Road Types
Windham	32	Light Commercial Truck	0.0258038	0.0225919	0.0237906	0.0223599	0.0233239
Windham	41	Other Buses	0.0001266	0.0000467	0.0000744	0.0000411	0.0000645
Windham	42	Transit Bus	0.0005201	0.0001920	0.0003057	0.0001688	0.0002650
Windham	43	School Bus	0.0031958	0.0011800	0.0018784	0.0010373	0.0016283
Windham	51	Refuse Truck	0.0005608	0.0002071	0.0003296	0.0001820	0.0002857
Windham	52	Single Unit Short-haul Truck	0.0182056	0.0067221	0.0107007	0.0059094	0.0092760
Windham	53	Single Unit Long-haul Truck	0.0024367	0.0008997	0.0014322	0.0007909	0.0012415
Windham	54	Motor Home	0.0010542	0.0003893	0.0006197	0.0003422	0.0005371
Windham	61	Combination Short-haul Truck	0.0158057	0.0058359	0.0092901	0.0051304	0.0080532
Windham	62	Combination Long-haul Truck	0.0489076	0.0180581	0.0287464	0.0158749	0.0249189
Windham Total VMT Source Type Fraction			1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Table E-16: Statewide and County Road Type VMT Fraction for MOVES Source Use Type

County	sourceTypeID	Source Type Name	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	Total VMT Road Type Fraction
CT Statewide	11	Motorcycle	0.0023230	0.0827628	0.1741291	0.7407851	1.0000000
CT Statewide	21	Passenger Car	0.0227112	0.0557314	0.4357761	0.4857813	1.0000000
CT Statewide	31	Passenger Truck	0.0256969	0.0603938	0.4361017	0.4778075	1.0000000
CT Statewide	32	Light Commercial Truck	0.0196973	0.0487822	0.4553367	0.4761838	1.0000000
CT Statewide	41	Other Buses	0.0388135	0.0368557	0.5438863	0.3804444	1.0000000
CT Statewide	42	Transit Bus	0.0480211	0.0475346	0.5403601	0.3640843	1.0000000
CT Statewide	43	School Bus	0.0487479	0.0545572	0.5381919	0.3585030	1.0000000
CT Statewide	51	Refuse Truck	0.0492024	0.0595676	0.5346207	0.3566093	1.0000000
CT Statewide	52	Single Unit Short-haul Truck	0.0471422	0.0517977	0.5397070	0.3613531	1.0000000
CT Statewide	53	Single Unit Long-haul Truck	0.0472048	0.0518084	0.5396460	0.3613407	1.0000000
CT Statewide	54	Motor Home	0.0792652	0.0708283	0.5111928	0.3387137	1.0000000
CT Statewide	61	Combination Short-haul Truck	0.0480611	0.0524081	0.5388511	0.3606797	1.0000000
CT Statewide	62	Combination Long-haul Truck	0.0480343	0.0524014	0.5388775	0.3606868	1.0000000
Fairfield	11	Motorcycle	0.0000731	0.0349947	0.1880249	0.7769074	1.0000000
Fairfield	21	Passenger Car	0.0052363	0.0253696	0.4598937	0.5095003	1.0000000
Fairfield	31	Passenger Truck	0.0052633	0.0252920	0.4649807	0.5044640	1.0000000
Fairfield	32	Light Commercial Truck	0.0053236	0.0251186	0.4763524	0.4932054	1.0000000
Fairfield	41	Other Buses	0.0058485	0.0236067	0.5754382	0.3951066	1.0000000
Fairfield	42	Transit Bus	0.0058485	0.0236067	0.5754382	0.3951066	1.0000000
Fairfield	43	School Bus	0.0058490	0.0236067	0.5754379	0.3951064	1.0000000
Fairfield	51	Refuse Truck	0.0058490	0.0236070	0.5754376	0.3951064	1.0000000
Fairfield	52	Single Unit Short-haul Truck	0.0058490	0.0236070	0.5754376	0.3951064	1.0000000
Fairfield	53	Single Unit Long-haul Truck	0.0058490	0.0236070	0.5754376	0.3951064	1.0000000
Fairfield	54	Motor Home	0.0058490	0.0236070	0.5754376	0.3951064	1.0000000

County	sourceTypeID	Source Type Name	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	Total VMT Road Type Fraction
Fairfield	61	Combination Short-haul Truck	0.0058490	0.0236070	0.5754376	0.3951064	1.0000000
Fairfield	62	Combination Long-haul Truck	0.0058490	0.0236070	0.5754375	0.3951064	1.0000000
Hartford	11	Motorcycle	0.0000000	0.0243807	0.1678992	0.8077201	1.0000000
Hartford	21	Passenger Car	0.0027669	0.0172470	0.4340340	0.5459522	1.0000000
Hartford	31	Passenger Truck	0.0027572	0.0172098	0.4399268	0.5401062	1.0000000
Hartford	32	Light Commercial Truck	0.0027356	0.0171271	0.4530484	0.5270888	1.0000000
Hartford	41	Other Buses	0.0025524	0.0164250	0.5644566	0.4165660	1.0000000
Hartford	42	Transit Bus	0.0025524	0.0164250	0.5644566	0.4165660	1.0000000
Hartford	43	School Bus	0.0025524	0.0164254	0.5644561	0.4165661	1.0000000
Hartford	51	Refuse Truck	0.0025526	0.0164251	0.5644562	0.4165662	1.0000000
Hartford	52	Single Unit Short-haul Truck	0.0025526	0.0164250	0.5644562	0.4165662	1.0000000
Hartford	53	Single Unit Long-haul Truck	0.0025526	0.0164250	0.5644562	0.4165662	1.0000000
Hartford	54	Motor Home	0.0025526	0.0164250	0.5644562	0.4165662	1.0000000
Hartford	61	Combination Short-haul Truck	0.0025526	0.0164251	0.5644562	0.4165662	1.0000000
Hartford	62	Combination Long-haul Truck	0.0025526	0.0164251	0.5644562	0.4165662	1.0000000
Litchfield	11	Motorcycle	0.0000000	0.3774879	0.0326639	0.5898482	1.0000000
Litchfield	21	Passenger Car	0.0723718	0.3416654	0.1009554	0.4850074	1.0000000
Litchfield	31	Passenger Truck	0.0726206	0.3431456	0.1005504	0.4836834	1.0000000
Litchfield	32	Light Commercial Truck	0.0731874	0.3465170	0.0996279	0.4806677	1.0000000
Litchfield	41	Other Buses	0.0788303	0.3800829	0.0904442	0.4506426	1.0000000
Litchfield	42	Transit Bus	0.0788303	0.3800829	0.0904442	0.4506426	1.0000000
Litchfield	43	School Bus	0.0788290	0.3800790	0.0904460	0.4506460	1.0000000
Litchfield	51	Refuse Truck	0.0788297	0.3800792	0.0904449	0.4506462	1.0000000
Litchfield	52	Single Unit Short-haul Truck	0.0788298	0.3800791	0.0904450	0.4506462	1.0000000
Litchfield	53	Single Unit Long-haul Truck	0.0788298	0.3800791	0.0904450	0.4506462	1.0000000
Litchfield	54	Motor Home	0.0788297	0.3800789	0.0904451	0.4506463	1.0000000

County	sourceTypeID	Source Type Name	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	Total VMT Road Type Fraction
Litchfield	61	Combination Short-haul Truck	0.0788297	0.3800792	0.0904449	0.4506462	1.0000000
Litchfield	62	Combination Long-haul Truck	0.0788297	0.3800792	0.0904448	0.4506463	1.0000000
Middlesex	11	Motorcycle	0.0000000	0.1177309	0.2182513	0.6640179	1.0000000
Middlesex	21	Passenger Car	0.0251587	0.0746203	0.4991848	0.4010363	1.0000000
Middlesex	31	Passenger Truck	0.0250695	0.0741689	0.5038689	0.3968926	1.0000000
Middlesex	32	Light Commercial Truck	0.0248711	0.0731640	0.5142978	0.3876671	1.0000000
Middlesex	41	Other Buses	0.0231881	0.0646360	0.6027648	0.3094112	1.0000000
Middlesex	42	Transit Bus	0.0231881	0.0646360	0.6027648	0.3094112	1.0000000
Middlesex	43	School Bus	0.0231880	0.0646376	0.6027631	0.3094113	1.0000000
Middlesex	51	Refuse Truck	0.0231880	0.0646393	0.6027623	0.3094104	1.0000000
Middlesex	52	Single Unit Short-haul Truck	0.0231880	0.0646393	0.6027622	0.3094105	1.0000000
Middlesex	53	Single Unit Long-haul Truck	0.0231880	0.0646393	0.6027622	0.3094105	1.0000000
Middlesex	54	Motor Home	0.0231880	0.0646393	0.6027621	0.3094106	1.0000000
Middlesex	61	Combination Short-haul Truck	0.0231880	0.0646392	0.6027623	0.3094104	1.0000000
Middlesex	62	Combination Long-haul Truck	0.0231880	0.0646392	0.6027624	0.3094104	1.0000000
New Haven	11	Motorcycle	0.0009359	0.0159105	0.2042228	0.7789308	1.0000000
New Haven	21	Passenger Car	0.0049033	0.0101415	0.4929333	0.4920219	1.0000000
New Haven	31	Passenger Truck	0.0053669	0.0100989	0.4985110	0.4860231	1.0000000
New Haven	32	Light Commercial Truck	0.0063940	0.0100046	0.5108673	0.4727341	1.0000000
New Haven	41	Other Buses	0.0148290	0.0092291	0.6123491	0.3635928	1.0000000
New Haven	42	Transit Bus	0.0148290	0.0092291	0.6123491	0.3635928	1.0000000
New Haven	43	School Bus	0.0148290	0.0092300	0.6123487	0.3635924	1.0000000
New Haven	51	Refuse Truck	0.0148290	0.0092299	0.6123488	0.3635924	1.0000000
New Haven	52	Single Unit Short-haul Truck	0.0148290	0.0092298	0.6123488	0.3635924	1.0000000
New Haven	53	Single Unit Long-haul Truck	0.0148290	0.0092299	0.6123488	0.3635924	1.0000000
New Haven	54	Motor Home	0.0148290	0.0092298	0.6123488	0.3635925	1.0000000

County	sourceTypeID	Source Type Name	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	Total VMT Road Type Fraction
New Haven	61	Combination Short-haul Truck	0.0148290	0.0092299	0.6123488	0.3635924	1.0000000
New Haven	62	Combination Long-haul Truck	0.0148290	0.0092299	0.6123488	0.3635924	1.0000000
New London	11	Motorcycle	0.0001382	0.1801696	0.2233254	0.5963668	1.0000000
New London	21	Passenger Car	0.0389136	0.1132211	0.4964425	0.3514228	1.0000000
New London	31	Passenger Truck	0.0386730	0.1124007	0.5028099	0.3461163	1.0000000
New London	32	Light Commercial Truck	0.0381449	0.1105995	0.5167896	0.3344660	1.0000000
New London	41	Other Buses	0.0340418	0.0966041	0.6254077	0.2439464	1.0000000
New London	42	Transit Bus	0.0340418	0.0966041	0.6254077	0.2439464	1.0000000
New London	43	School Bus	0.0340418	0.0966042	0.6254109	0.2439430	1.0000000
New London	51	Refuse Truck	0.0340416	0.0966043	0.6254098	0.2439443	1.0000000
New London	52	Single Unit Short-haul Truck	0.0340416	0.0966044	0.6254098	0.2439442	1.0000000
New London	53	Single Unit Long-haul Truck	0.0340416	0.0966044	0.6254098	0.2439442	1.0000000
New London	54	Motor Home	0.0340416	0.0966045	0.6254097	0.2439441	1.0000000
New London	61	Combination Short-haul Truck	0.0340416	0.0966043	0.6254098	0.2439443	1.0000000
New London	62	Combination Long-haul Truck	0.0340415	0.0966043	0.6254098	0.2439443	1.0000000
Tolland	11	Motorcycle	0.0277901	0.2255916	0.0792009	0.6674174	1.0000000
Tolland	21	Passenger Car	0.1648457	0.1699437	0.2112815	0.4539291	1.0000000
Tolland	31	Passenger Truck	0.1774863	0.1671062	0.2124458	0.4429617	1.0000000
Tolland	32	Light Commercial Truck	0.2043499	0.1610762	0.2149200	0.4196539	1.0000000
Tolland	41	Other Buses	0.3786742	0.1219470	0.2309730	0.2684058	1.0000000
Tolland	42	Transit Bus	0.3786742	0.1219470	0.2309730	0.2684058	1.0000000
Tolland	43	School Bus	0.3786714	0.1219455	0.2309769	0.2684062	1.0000000
Tolland	51	Refuse Truck	0.3786718	0.1219463	0.2309759	0.2684060	1.0000000
Tolland	52	Single Unit Short-haul Truck	0.3786718	0.1219464	0.2309759	0.2684059	1.0000000
Tolland	53	Single Unit Long-haul Truck	0.3786718	0.1219464	0.2309759	0.2684059	1.0000000
Tolland	54	Motor Home	0.3786718	0.1219464	0.2309759	0.2684058	1.0000000

County	sourceTypeID	Source Type Name	2 Rural Restricted Access	3 Rural Unrestricted Access	4 Urban Restricted Access	5 Urban Unrestricted Access	Total VMT Road Type Fraction
Tolland	61	Combination Short-haul Truck	0.3786718	0.1219463	0.2309759	0.2684060	1.0000000
Tolland	62	Combination Long-haul Truck	0.3786718	0.1219463	0.2309759	0.2684060	1.0000000
Windham	11	Motorcycle	0.0215141	0.4180830	0.0834610	0.4769419	1.0000000
Windham	21	Passenger Car	0.1526305	0.3046703	0.2208096	0.3218895	1.0000000
Windham	31	Passenger Truck	0.1623690	0.2997273	0.2228617	0.3150420	1.0000000
Windham	32	Light Commercial Truck	0.1832729	0.2891169	0.2272665	0.3003436	1.0000000
Windham	41	Other Buses	0.3261730	0.2165809	0.2573809	0.1998652	1.0000000
Windham	42	Transit Bus	0.3261730	0.2165809	0.2573809	0.1998652	1.0000000
Windham	43	School Bus	0.3261760	0.2165799	0.2573801	0.1998640	1.0000000
Windham	51	Refuse Truck	0.3261762	0.2165820	0.2573790	0.1998629	1.0000000
Windham	52	Single Unit Short-haul Truck	0.3261762	0.2165819	0.2573791	0.1998629	1.0000000
Windham	53	Single Unit Long-haul Truck	0.3261762	0.2165819	0.2573790	0.1998629	1.0000000
Windham	54	Motor Home	0.3261762	0.2165819	0.2573790	0.1998629	1.0000000
Windham	61	Combination Short-haul Truck	0.3261762	0.2165821	0.2573789	0.1998628	1.0000000
Windham	62	Combination Long-haul Truck	0.3261762	0.2165821	0.2573789	0.1998628	1.0000000

Table E-17: CT VMT by Hour– CT MOBILE6 VMT by Hour Format and Distinct Value Presentation of the CT DOT Cube Model MOVES Preproccesor Input

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

Distinct Value Presentation of the Cube Model AQ_HR_VMT_FRAC File (The full version of AQ_HR_VMT_FRAC file also includes individual data for SourceTypeID, RoadTypeID and DayID)

MOVES Hour Description	HourID	HourVMTFraction
Hour beginning at 12:00 midnight	1	0.009415
Hour beginning at 1:00 AM	2	0.006019
Hour beginning at 2:00 AM	3	0.004534
Hour beginning at 3:00 AM	4	0.004714
Hour beginning at 4:00 AM	5	0.007307
Hour beginning at 5:00 AM	6	0.018357
Hour beginning at 6:00 AM	7	0.043941
Hour beginning at 7:00 AM	8	0.067724
Hour beginning at 8:00 AM	9	0.066220
Hour beginning at 9:00 AM	10	0.053659
Hour beginning at 10:00 AM	11	0.049995
Hour beginning at 11:00 AM	12	0.052441
Hour beginning at 12:00 Noon	13	0.055590
Hour beginning at 1:00 PM	14	0.056890
Hour beginning at 2:00 PM	15	0.064131
Hour beginning at 3:00 PM	16	0.074718
Hour beginning at 4:00 PM	17	0.079142
Hour beginning at 5:00 PM	18	0.078636
Hour beginning at 6:00 PM	19	0.060574
Hour beginning at 7:00 PM	20	0.044298
Hour beginning at 8:00 PM	21	0.035203
Hour beginning at 9:00 PM	22	0.028701
Hour beginning at 10:00 PM	23	0.021810
Hour beginning at 11:00 PM	24	0.015981

Table E-18: Average 2020 Daily HPMS VMT (miles per day) for the 14 2010+ FHWA HPMS Road Types

HPMS Road Type	Area Type	HPMS Road Type Description	Average 2020 Weekday Daily HPMS Road Type VMT (miles per day)							
			09001 Fairfield	09003 Hartford	09005 Litchfield	09007 Middlesex	09009 New Haven	09011 New London	09013 Tolland	09015 Windham
11	Rural	Interstate	9,478	0	0	0	120,303	5,151	757,981	348,296
12	Rural	Other Freeways and Expressways	102,626	59,382	278,389	120,904	0	264,091	24,688	77,889
13	Rural	Other Principal Arterial	101,051	105,060	317,941	0	24,177	210,556	226,637	85,540
15	Rural	Minor Arterial	34,979	97,286	318,823	105,091	101,367	112,368	109,840	148,746
17	Rural	Major Collector	196,514	90,421	322,709	115,486	39,461	257,839	179,865	278,443
19	Rural	Minor Collector	56,830	26,118	107,078	61,129	8,266	58,566	59,537	89,292
21	Rural	Local	118,524	52,145	255,292	75,978	41,464	147,195	121,549	149,927
23	Urban	Interstate	6,143,640	7,151,316	0	1,537,469	7,822,909	3,040,228	851,540	543,215
25	Urban	Other Freeways and Expressways	3,565,095	2,470,255	384,669	932,265	2,968,470	528,652	52,715	23,911
27	Urban	Other Principal Arterial	3,147,385	4,422,013	842,802	708,935	4,132,286	625,934	666,916	256,165
29	Urban	Minor Arterial	3,636,074	3,778,848	283,456	479,920	3,223,202	721,386	350,847	156,222
30	Urban	Major Collector	1,352,012	1,228,891	178,036	319,573	1,189,899	457,263	363,747	119,552
31	Urban	Minor Collector	32,482	274,396	42,839	15,323	164,684	17,595	90,162	36,764
33	Urban	Local	2,216,789	1,999,073	515,424	402,492	1,697,345	609,308	378,668	222,637
Total of All HPMS Road Types			**20,713,479**	**21,755,204**	**3,847,458**	**4,874,565**	**21,533,833**	**7,056,132**	**4,234,692**	**2,536,599**

The above HPMS VMT has an average annual statewide daily total of 86,551,962 miles per day.

Note: 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-19: 2020 HPMSBaseYearVMT Annual Vehicle Miles Traveled (VMT)

Source Type ID	Source Type Description	HPMSBaseYearVMT [miles/year]							
		9001	9003	9005	9007	9009	9011	9013	9015
		Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham
11	Motorcycle	48,352,906	53,343,800	11,897,710	10,611,163	49,142,500	14,629,662	10,291,528	6,128,947
21	Passenger Car	2,772,553,974	3,301,975,841	495,443,436	667,458,752	3,241,403,516	1,008,744,913	576,787,757	350,653,509
31	Passenger Truck	3,825,943,247	3,614,045,352	742,267,825	889,633,330	3,641,625,792	1,264,281,842	780,836,969	462,515,999
32	Light Commercial Truck	314,498,601	339,142,526	51,661,948	64,169,150	280,196,372	64,019,445	33,642,687	20,538,629
41	Intercity Bus	532,953	1,369,777	57,071	14,628	596,373	112,892	185,483	56,785
42	Transit Bus	3,041,592	1,454,906	173,710	584,395	1,198,637	418,784	550,452	233,333
43	School Bus	7,596,544	9,204,670	1,588,137	2,093,506	10,492,634	3,708,293	2,303,610	1,433,834
51	Refuse Truck	661,383	779,584	142,215	349,599	814,142	203,636	92,650	251,600
52	Single Unit Short-Haul Truck	55,716,799	59,349,003	8,867,680	12,979,801	60,482,134	20,499,069	14,661,273	8,168,253
53	Single Unit Long-Haul Truck	7,441,565	7,928,758	1,183,934	1,731,938	8,078,126	2,735,975	1,962,372	1,093,285
54	Motor Home	886,083	1,620,881	341,623	535,226	1,799,928	1,119,578	889,129	473,003
61	Combination Short-Haul Truck	45,940,051	49,468,245	7,477,881	11,074,881	50,511,137	17,432,418	12,508,342	7,091,476
62	Combination Long-Haul Truck	142,187,682	153,116,425	23,152,992	34,270,277	156,422,959	53,968,794	38,677,850	21,943,169
All Source Types		**7,225,353,380**	**7,592,799,766**	**1,344,256,163**	**1,695,506,647**	**7,502,764,249**	**2,451,875,302**	**1,473,390,101**	**880,581,821**

The 2020 statewide total annual VMT estimate has a total of 30,166,527,429 miles per year.

Table E-20: 2020 Summer Weekday Vehicle Miles Traveled (VMT)

Source Type ID	Source Type Description	Daily Vehicle Miles Traveled [miles/summer weekday]							
		9001	9003	9005	9007	9009	9011	9013	9015
		Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham
11	Motorcycle	150,787	166,354	37,339	33,158	153,302	45,761	32,229	19,251
21	Passenger Car	8,646,159	10,297,310	1,554,871	2,085,695	10,111,665	3,155,291	1,806,287	1,101,403
31	Passenger Truck	11,931,120	11,270,515	2,329,490	2,779,950	11,360,165	3,954,595	2,445,294	1,452,762
32	Light Commercial Truck	980,758	1,057,627	162,133	200,518	874,081	200,249	105,357	64,512
41	Intercity Bus	1,662	4,272	179	46	1,860	353	581	178
42	Transit Bus	9,485	4,537	545	1,826	3,739	1,310	1,724	733
43	School Bus	23,690	28,705	4,984	6,542	32,732	11,599	7,214	4,504
51	Refuse Truck	2,063	2,431	446	1,092	2,540	637	290	790
52	Single Unit Short-Haul Truck	173,752	185,082	27,830	40,560	188,676	64,120	45,914	25,656
53	Single Unit Long-Haul Truck	23,206	24,726	3,716	5,412	25,200	8,558	6,145	3,434
54	Motor Home	2,763	5,055	1,072	1,672	5,615	3,502	2,784	1,486
61	Combination Short-Haul Truck	143,263	154,268	23,468	34,607	157,571	54,528	39,172	22,274
62	Combination Long-Haul Truck	443,409	477,498	72,662	107,089	487,966	168,811	121,125	68,923
All Source Types		22,532,117	23,678,380	4,218,735	5,298,166	23,405,113	7,669,313	4,614,116	2,765,907

The above 2020 summer day VMT has a statewide total of 94,181,848 miles per summer weekday.

Appendix F On-Road Mobile Sources

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Table F-1: Annual 2020 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	Gasoline	Motorcycle	110.0253125	37.6225611	699.2989080	1.9872379	1.0394108	0.1013072	2.1307377
22-01-21-0080	Gasoline	Passenger Car	848.3007923	556.4857564	9807.2568780	99.4661623	24.8527831	5.5267106	159.7592346
22-01-31-0080	Gasoline	Passenger Truck	866.4379443	861.3832078	13101.6013390	146.6246030	38.0707355	9.4699671	196.7911584
22-01-32-0080	Gasoline	Light Commercial Truck	75.8880613	92.2361850	1342.9086492	12.0285760	3.5020429	0.8215375	16.0665476
22-01-41-0080	Gasoline	Other Buses	0.0713282	0.0880505	3.2129627	0.0100914	0.0049284	0.0009818	0.0176899
22-01-42-0080	Gasoline	Transit Bus	0.4156937	0.4637742	18.6281807	0.0607165	0.0267966	0.0069497	0.1173735
22-01-43-0080	Gasoline	School Bus	0.2714852	0.2119894	7.2337728	0.0502653	0.0173896	0.0043324	0.0663695
22-01-51-0080	Gasoline	Refuse Truck	0.0446593	0.0355898	0.4591503	0.0020570	0.0016370	4.5205E-05	0.0015864
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	29.8001589	22.8983267	345.9347683	1.4420163	0.7945322	0.0931337	1.7090379
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	1.6004939	1.0790184	16.0623185	0.1292378	0.0466816	0.0118600	0.2130937
22-01-54-0080	Gasoline	Motor Home	2.3583194	2.0280812	34.4482172	0.1058479	0.0645164	0.0034274	0.0964791
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.0043706	0.0057305	0.1134925	0.0001231	5.5848E-05	7.1555E-06	0.0002679
22-02-21-0080	Diesel	Passenger Car	2.1353615	2.3259025	49.1534206	0.5475302	0.1106376	0.0220845	0.2614002
22-02-31-0080	Diesel	Passenger Truck	35.3607120	210.6116604	210.0074933	13.8804086	9.4852676	0.2380665	2.1639920
22-02-32-0080	Diesel	Light Commercial Truck	6.0496284	38.9016451	34.2088172	2.4538781	1.6690438	0.0453326	0.4330354
22-02-41-0080	Diesel	Other Buses	0.2006923	3.6946513	1.3912622	0.1875224	0.1286254	0.0023873	0.0231292
22-02-42-0080	Diesel	Transit Bus	0.5976198	9.8185937	5.3140026	0.3313940	0.1698173	0.0118048	0.1512100
22-02-43-0080	Diesel	School Bus	0.9667634	14.6420086	7.7306786	0.8017982	0.2793632	0.0316537	0.4785699
22-02-51-0080	Diesel	Refuse Truck	0.3065504	4.7713787	1.9749487	0.2669123	0.1876390	0.0039344	0.0382577
22-02-52-0080	Diesel	Single Unit Short-haul Truck	23.6523482	128.9433426	75.8559623	7.2432368	4.6281562	0.1485352	1.6280687
22-02-53-0080	Diesel	Single Unit Long-haul Truck	1.1355765	13.0857921	7.2500440	0.8626134	0.5227808	0.0178754	0.2226363
22-02-54-0080	Diesel	Motor Home	0.2168752	1.9136790	0.9386587	0.1281163	0.0940870	0.0012733	0.0077124
22-02-61-0080	Diesel	Combination Short-haul Truck	11.0683400	261.0875189	110.4485529	12.8136501	7.4945927	0.2954988	3.7865696
22-02-62-0080	Diesel	Combination Long-haul Truck	35.8238490	944.9738958	388.2032684	46.2146599	27.8423769	0.9360304	11.1877195
22-03-41-0080	CNG	Other Buses	0.0548696	0.2058073	1.1515422	0.0080181	0.0032525	0.0004231	0.0102922
22-03-42-0080	CNG	Transit Bus	0.1898997	0.5792757	7.1170306	0.0326317	0.0080934	0.0026657	0.0569424
22-03-43-0080	CNG	School Bus	0.0511666	0.0737806	2.0568591	0.0077179	0.0014476	0.0005499	0.0128438
22-03-51-0080	CNG	Refuse Truck	0.0338575	0.0563731	1.3472925	0.0050583	0.0009583	0.0004858	0.0086205
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.1851352	0.3554229	7.4205228	0.0358828	0.0065407	0.0022746	0.0491441
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.0246601	0.0447102	0.9292249	0.0050269	0.0008815	0.0003099	0.0065667
22-03-54-0080	CNG	Motor Home	5.4189E-06	3.9804E-05	3.9815E-05	7.9714E-07	4.1835E-07	2.5975E-08	9.3017E-07
22-03-61-0080	CNG	Combination Short-haul Truck	0.1936350	0.3133312	8.6660111	0.0287019	0.0054661	0.0026778	0.0687747
22-03-62-0080	CNG	Combination Long-haul Truck	0.3536100	0.5412450	17.3853942	0.0702968	0.0091368	0.0068046	0.1259444
22-09-31-0080	Electricity	Passenger Truck	0	0	0	5.85760E-07	7.7585E-08	0	0
Fairfield County Total for On-Road Mobile Sources			**2,053.82**	**3,211.48**	**26,315.71**	**347.83**	**121.07**	**17.81**	**397.69**

Table F-2: Annual 2020 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	Gasoline	Motorcycle	121.014454	42.719302	778.146437	2.140445	1.146939	0.112442	2.399116
22-01-21-0080	Gasoline	Passenger Car	927.282087	652.988129	11289.498025	110.033044	28.142646	6.480411	188.286807
22-01-31-0080	Gasoline	Passenger Truck	754.170455	799.932261	12010.377034	128.431916	34.178503	8.834946	184.463335
22-01-32-0080	Gasoline	Light Commercial Truck	75.092741	97.139432	1382.441321	11.935939	3.582067	0.872482	17.143270
22-01-41-0080	Gasoline	Other Buses	0.197794	0.241990	9.366829	0.024314	0.012477	0.002554	0.045807
22-01-42-0080	Gasoline	Transit Bus	0.216754	0.240520	10.167060	0.027426	0.013007	0.003369	0.056730
22-01-43-0080	Gasoline	School Bus	0.358334	0.278490	9.648483	0.056937	0.022143	0.005223	0.079813
22-01-51-0080	Gasoline	Refuse Truck	0.052464	0.042076	0.533873	0.002164	0.001726	0.000052	0.001836
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	32.185047	25.147934	380.473699	1.509722	0.879860	0.098780	1.809031
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	1.700328	1.165319	17.279381	0.127256	0.048317	0.012531	0.225264
22-01-54-0080	Gasoline	Motor Home	4.382158	3.769287	63.925343	0.182745	0.114422	0.006242	0.175349
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.005813	0.006356	0.126196	0.000126	6.2249E-05	7.6429E-06	0.000286
22-02-21-0080	Diesel	Passenger Car	2.363513	2.703751	56.613328	0.602089	0.123105	0.025911	0.308170
22-02-31-0080	Diesel	Passenger Truck	32.099754	192.404283	191.234986	12.575903	8.699991	0.221426	2.026515
22-02-32-0080	Diesel	Light Commercial Truck	6.244935	40.395537	35.391521	2.524064	1.742210	0.048158	0.463301
22-02-41-0080	Diesel	Other Buses	0.512514	9.483979	3.519975	0.450119	0.315351	0.006121	0.059292
22-02-42-0080	Diesel	Transit Bus	0.285786	4.591516	2.488288	0.143333	0.076870	0.005626	0.072057
22-02-43-0080	Diesel	School Bus	1.245547	17.251660	9.280048	0.864493	0.318195	0.038129	0.576266
22-02-51-0080	Diesel	Refuse Truck	0.351969	5.554265	2.267319	0.292393	0.209798	0.004603	0.044752
22-02-52-0080	Diesel	Single Unit Short-haul Truck	26.191334	135.293670	79.337767	7.232345	4.734796	0.157066	1.725928
22-02-53-0080	Diesel	Single Unit Long-haul Truck	1.177424	13.573630	7.474813	0.858201	0.533633	0.018871	0.235781
22-02-54-0080	Diesel	Motor Home	0.383769	3.438046	1.681713	0.221629	0.165210	0.002288	0.014003
22-02-61-0080	Diesel	Combination Short-haul Truck	12.224077	275.616117	116.865968	12.570814	7.604411	0.315713	4.043379
22-02-62-0080	Diesel	Combination Long-haul Truck	37.551192	998.747749	405.849160	45.407298	28.239818	0.998634	11.933636
22-03-41-0080	CNG	Other Buses	0.133823	0.530097	2.948677	0.019041	0.008263	0.001076	0.026274
22-03-42-0080	CNG	Transit Bus	0.084944	0.273475	3.384768	0.013608	0.003604	0.001261	0.027061
22-03-43-0080	CNG	School Bus	0.057582	0.086433	2.477958	0.008003	0.001557	0.000654	0.015243
22-03-51-0080	CNG	Refuse Truck	0.037424	0.063850	1.574123	0.005153	0.001006	0.000563	0.010057
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.185515	0.365731	7.799216	0.033510	0.006276	0.002343	0.050497
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.024654	0.045937	0.971925	0.004698	0.000843	0.000319	0.006745
22-03-54-0080	CNG	Motor Home	9.2179E-06	7.2023E-05	7.0137E-05	1.3714E-06	7.5266E-07	4.5989E-08	1.6453E-06
22-03-61-0080	CNG	Combination Short-haul Truck	0.194843	0.325415	9.300111	0.026435	0.005207	0.002839	0.073184
22-03-62-0080	CNG	Combination Long-haul Truck	0.356913	0.557066	18.561370	0.064188	0.008385	0.007223	0.134073
22-09-31-0080	Electricity	Passenger Truck	0	0	0	5.0795E-07	6.7485E-08	0	0
Hartford County Total for On-Road Mobile Sources			**2,038.37**	**3,324.97**	**26,911.01**	**338.39**	**120.94**	**18.29**	**416.53**

Table F-3: Annual 2020 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	Gasoline	Motorcycle	37.46915	8.67251	166.75621	0.55155	0.26537	0.02451	0.47287
22-01-21-0080	Gasoline	Passenger Car	187.55205	109.41733	2071.97930	23.64967	5.72091	1.03144	29.50834
22-01-31-0080	Gasoline	Passenger Truck	209.34813	181.73834	2922.19478	38.37657	9.64973	1.90157	39.15167
22-01-32-0080	Gasoline	Light Commercial Truck	15.45685	16.43332	254.64207	2.52048	0.73202	0.13838	2.68288
22-01-41-0080	Gasoline	Other Buses	0.00855	0.00957	0.27913	0.00161	0.00071	0.00011	0.00191
22-01-42-0080	Gasoline	Transit Bus	0.02579	0.02722	0.89123	0.00498	0.00198	0.00041	0.00683
22-01-43-0080	Gasoline	School Bus	0.06350	0.04814	1.39005	0.01471	0.00474	0.00097	0.01475
22-01-51-0080	Gasoline	Refuse Truck	0.01835	0.00866	0.14286	0.00061	0.00048	1.0368E-05	0.00036
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	9.97349	6.76809	105.02229	0.42261	0.25881	0.01616	0.28034
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	0.48922	0.20516	3.11855	0.02932	0.01009	0.00197	0.03506
22-01-54-0080	Gasoline	Motor Home	1.85648	0.96411	21.61359	0.05892	0.03527	0.00142	0.03844
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.00109	0.00098	0.01918	2.6790E-05	1.0763E-05	1.2171E-06	4.5346E-05
22-02-21-0080	Diesel	Passenger Car	0.48767	0.44826	9.65458	0.12962	0.02462	0.00410	0.04824
22-02-31-0080	Diesel	Passenger Truck	7.75018	45.31812	43.92264	3.06561	1.97825	0.04858	0.43409
22-02-32-0080	Diesel	Light Commercial Truck	1.10811	6.94663	5.93817	0.44316	0.28706	0.00769	0.07250
22-02-41-0080	Diesel	Other Buses	0.02468	0.43715	0.16979	0.02629	0.01658	0.00027	0.00258
22-02-42-0080	Diesel	Transit Bus	0.03873	0.63909	0.34045	0.02498	0.01160	0.00071	0.00912
22-02-43-0080	Diesel	School Bus	0.24801	3.61120	1.79054	0.22557	0.07125	0.00710	0.10692
22-02-51-0080	Diesel	Refuse Truck	0.08551	1.16870	0.53862	0.07241	0.04766	0.00090	0.00856
22-02-52-0080	Diesel	Single Unit Short-haul Truck	7.66642	27.20097	16.80374	1.46013	0.86061	0.02569	0.26594
22-02-53-0080	Diesel	Single Unit Long-haul Truck	0.23525	2.44110	1.32902	0.17314	0.09619	0.00298	0.03647
22-02-54-0080	Diesel	Motor Home	0.10541	0.83700	0.49912	0.05995	0.04186	0.00054	0.00310
22-02-61-0080	Diesel	Combination Short-haul Truck	2.23565	48.39769	20.96118	2.74467	1.45197	0.04986	0.63678
22-02-62-0080	Diesel	Combination Long-haul Truck	6.02326	167.12510	69.28168	9.77659	5.32254	0.15611	1.88545
22-03-41-0080	CNG	Other Buses	0.00723	0.02397	0.12972	0.00118	0.00037	4.8553E-05	0.00117
22-03-42-0080	CNG	Transit Bus	0.01287	0.03697	0.42947	0.00262	0.00057	0.00016	0.00346
22-03-43-0080	CNG	School Bus	0.01310	0.01797	0.45422	0.00226	0.00040	0.00013	0.00296
22-03-51-0080	CNG	Refuse Truck	0.00893	0.01469	0.31387	0.00168	0.00030	0.00011	0.00195
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.03754	0.06742	1.41487	0.00858	0.00149	0.00041	0.00877
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.00480	0.00850	0.16010	0.00118	0.00020	5.5097E-05	0.00117
22-03-54-0080	CNG	Motor Home	2.6558E-06	1.6903E-05	1.9280E-05	3.8250E-07	1.7397E-07	1.1357E-08	4.0167E-07
22-03-61-0080	CNG	Combination Short-haul Truck	0.03900	0.06082	1.48994	0.00720	0.00128	0.00046	0.01175
22-03-62-0080	CNG	Combination Long-haul Truck	0.06728	0.09996	2.94474	0.01799	0.00231	0.00114	0.02120
22-09-31-0080	Electricity	Passenger Truck	0	0	0	1.5515E-07	2.0327E-08	0	0
Litchfield County Total for On-Road Mobile Sources			**488.46**	**629.19**	**5726.62**	**83.88**	**26.90**	**3.42**	**75.76**

Table F-4: Annual 2020 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	Gasoline	Motorcycle	29.62490	8.38644	155.00429	0.43469	0.23037	0.02249	0.47529
22-01-21-0080	Gasoline	Passenger Car	175.69269	129.55459	2190.70879	21.39461	5.41688	1.29916	37.90323
22-01-31-0080	Gasoline	Passenger Truck	173.98340	193.31785	2858.81828	30.39607	8.00517	2.16153	45.29940
22-01-32-0080	Gasoline	Light Commercial Truck	13.27893	17.97303	250.95650	2.11595	0.63775	0.16331	3.21982
22-01-41-0080	Gasoline	Other Buses	0.00165	0.00227	0.09408	0.00024	0.00011	2.7249E-05	0.00049
22-01-42-0080	Gasoline	Transit Bus	0.06690	0.08310	3.87273	0.00994	0.00437	0.00135	0.02280
22-01-43-0080	Gasoline	School Bus	0.05924	0.05061	2.03779	0.01157	0.00397	0.00118	0.01810
22-01-51-0080	Gasoline	Refuse Truck	0.02483	0.01880	0.24107	0.00091	0.00072	2.3354E-05	0.00082
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	7.57331	5.75007	87.10141	0.32452	0.19314	0.02158	0.39464
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	0.39295	0.25555	3.81050	0.02660	0.01036	0.00273	0.04902
22-01-54-0080	Gasoline	Motor Home	1.51258	1.25468	21.74508	0.05828	0.03695	0.00206	0.05772
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.00099	0.00140	0.02764	2.668E-05	1.3026E-05	1.7039E-06	6.3859E-05
22-02-21-0080	Diesel	Passenger Car	0.44787	0.53795	11.21886	0.11765	0.02413	0.00520	0.06204
22-02-31-0080	Diesel	Passenger Truck	7.68480	46.33906	46.26787	3.04599	2.11917	0.05410	0.49697
22-02-32-0080	Diesel	Light Commercial Truck	1.13972	7.41532	6.52947	0.46365	0.32343	0.00902	0.08716
22-02-41-0080	Diesel	Other Buses	0.00513	0.10030	0.03585	0.00474	0.00333	6.5192E-05	0.00063
22-02-42-0080	Diesel	Transit Bus	0.10455	1.80058	0.95635	0.05653	0.03048	0.00225	0.02888
22-02-43-0080	Diesel	School Bus	0.22028	3.69482	1.96536	0.19263	0.07137	0.00860	0.13077
22-02-51-0080	Diesel	Refuse Truck	0.15556	2.46024	1.01089	0.12631	0.09160	0.00206	0.01999
22-02-52-0080	Diesel	Single Unit Short-haul Truck	5.82554	29.46561	17.43809	1.53372	1.01651	0.03428	0.37664
22-02-53-0080	Diesel	Single Unit Long-haul Truck	0.25350	2.90245	1.60776	0.18080	0.11401	0.00410	0.05132
22-02-54-0080	Diesel	Motor Home	0.12457	1.11611	0.55656	0.07110	0.05343	0.00075	0.00460
22-02-61-0080	Diesel	Combination Short-haul Truck	2.53504	60.67467	25.39250	2.72695	1.66656	0.07049	0.90387
22-02-62-0080	Diesel	Combination Long-haul Truck	8.37670	221.79374	90.04712	9.86531	6.19774	0.22334	2.66535
22-03-41-0080	CNG	Other Buses	0.00141	0.00563	0.03113	0.00020	8.8147E-05	1.1448E-05	0.00028
22-03-42-0080	CNG	Transit Bus	0.03364	0.10882	1.33998	0.00534	0.00143	0.00050	0.01083
22-03-43-0080	CNG	School Bus	0.01290	0.01943	0.55680	0.00177	0.00034	0.00015	0.00345
22-03-51-0080	CNG	Refuse Truck	0.01623	0.02779	0.70457	0.00214	0.00043	0.00025	0.00449
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.03931	0.07785	1.70587	0.00686	0.00130	0.00050	0.01085
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.00520	0.00974	0.21050	0.00095	0.00017	6.8347E-05	0.00144
22-03-54-0080	CNG	Motor Home	2.921E-06	2.338E-05	2.278E-05	4.400E-07	2.477E-07	1.492E-08	5.333E-07
22-03-61-0080	CNG	Combination Short-haul Truck	0.04255	0.07139	2.07139	0.00562	0.00112	0.00063	0.01635
22-03-62-0080	CNG	Combination Long-haul Truck	0.07865	0.12339	4.14722	0.01361	0.00178	0.00161	0.02998
22-09-31-0080	Electricity	Passenger Truck	0	0	0	1.208E-07	1.606E-08	0	0
Middlesex County Total for On-Road Mobile Sources			**429.32**	**735.39**	**5788.21**	**73.20**	**26.26**	**4.09**	**92.35**

Table F-5: Annual 2020 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	Gasoline	Motorcycle	113.47026	39.76995	720.97008	1.93578	1.04957	0.10378	2.23643
22-01-21-0080	Gasoline	Passenger Car	863.43570	627.66591	10687.97574	104.76622	26.64967	6.31087	183.94275
22-01-31-0080	Gasoline	Passenger Truck	721.61646	789.83707	11702.46401	125.27356	33.11795	8.83673	185.02315
22-01-32-0080	Gasoline	Light Commercial Truck	58.93514	78.75557	1102.57123	9.48371	2.83659	0.71500	14.08538
22-01-41-0080	Gasoline	Other Buses	0.07097	0.09473	3.69626	0.00987	0.00493	0.00110	0.01980
22-01-42-0080	Gasoline	Transit Bus	0.14539	0.17423	7.58414	0.02105	0.00953	0.00274	0.04625
22-01-43-0080	Gasoline	School Bus	0.32247	0.26639	10.00749	0.06081	0.02144	0.00588	0.09040
22-01-51-0080	Gasoline	Refuse Truck	0.04465	0.04309	0.51461	0.00223	0.00178	0.00005	0.00192
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	25.50354	21.35571	319.42128	1.35052	0.74741	0.09924	1.83775
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	1.40617	1.14350	16.82236	0.12364	0.04686	0.01270	0.22858
22-01-54-0080	Gasoline	Motor Home	3.78701	3.99538	62.28796	0.19197	0.12000	0.00685	0.19373
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.00468	0.00635	0.12478	0.00013	0.00006	0.00001	0.00029
22-02-21-0080	Diesel	Passenger Car	2.20898	2.59992	54.16920	0.57478	0.11769	0.02525	0.30110
22-02-31-0080	Diesel	Passenger Truck	31.83239	190.34499	189.74090	12.53049	8.70534	0.22133	2.03180
22-02-32-0080	Diesel	Light Commercial Truck	5.06247	32.67995	28.75279	2.05454	1.42613	0.03944	0.38060
22-02-41-0080	Diesel	Other Buses	0.21376	4.06651	1.47826	0.19367	0.13634	0.00264	0.02564
22-02-42-0080	Diesel	Transit Bus	0.22245	3.73304	1.99363	0.11833	0.06322	0.00459	0.05892
22-02-43-0080	Diesel	School Bus	1.19832	19.00148	10.09028	0.99191	0.36204	0.04299	0.65213
22-02-51-0080	Diesel	Refuse Truck	0.35379	5.71628	2.27771	0.30108	0.21719	0.00477	0.04655
22-02-52-0080	Diesel	Single Unit Short-haul Truck	22.30675	130.98711	75.51494	7.23510	4.76832	0.15805	1.75323
22-02-53-0080	Diesel	Single Unit Long-haul Truck	1.15162	13.58514	7.49240	0.85457	0.53689	0.01912	0.23923
22-02-54-0080	Diesel	Motor Home	0.41215	3.76050	1.74447	0.24130	0.18085	0.00251	0.01545
22-02-61-0080	Diesel	Combination Short-haul Truck	11.83419	279.77777	117.31219	12.93366	7.81706	0.32135	4.11988
22-02-62-0080	Diesel	Combination Long-haul Truck	38.71107	1021.02151	415.12807	46.80589	29.10843	1.01956	12.17081
22-03-41-0080	CNG	Other Buses	0.05777	0.22903	1.26795	0.00815	0.00359	0.00046	0.01135
22-03-42-0080	CNG	Transit Bus	0.07047	0.22482	2.75695	0.01128	0.00297	0.00103	0.02212
22-03-43-0080	CNG	School Bus	0.06597	0.09879	2.79609	0.00927	0.00179	0.00074	0.01731
22-03-51-0080	CNG	Refuse Truck	0.03869	0.06592	1.62498	0.00519	0.00102	0.00058	0.01045
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.18555	0.36874	7.69748	0.03294	0.00618	0.00236	0.05117
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.02474	0.04611	0.98114	0.00457	0.00083	0.00032	0.00682
22-03-54-0080	CNG	Motor Home	9.988E-06	7.9242E-05	7.5099E-05	1.487E-06	8.273E-07	5.037E-08	1.807E-06
22-03-61-0080	CNG	Combination Short-haul Truck	0.20037	0.33304	9.42498	0.02724	0.00535	0.00290	0.07453
22-03-62-0080	CNG	Combination Long-haul Truck	0.37023	0.57775	18.93072	0.06617	0.00864	0.00740	0.13686
22-09-31-0080	Electricity	Passenger Truck	0	0	0	4.969E-07	6.613E-08	0	0
New Haven County Total for On-Road Mobile Sources			**1,905.26**	**3,272.33**	**25,585.62**	**328.22**	**118.08**	**17.97**	**409.83**

Table F-6: Annual 2020 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	Gasoline	Motorcycle	44.66748	11.39836	212.55739	0.61312	0.32087	0.03109	0.64976
22-01-21-0080	Gasoline	Passenger Car	276.63449	201.51822	3428.30070	32.45608	8.35693	1.98008	57.69489
22-01-31-0080	Gasoline	Passenger Truck	257.21449	282.64573	4217.19128	43.32299	11.63820	3.10223	64.95315
22-01-32-0080	Gasoline	Light Commercial Truck	13.78023	18.27520	257.49124	2.13664	0.65254	0.16389	3.22870
22-01-41-0080	Gasoline	Other Buses	0.01344	0.01816	0.84543	0.00178	0.00087	0.00021	0.00384
22-01-42-0080	Gasoline	Transit Bus	0.05121	0.06282	3.30711	0.00692	0.00308	0.00099	0.01669
22-01-43-0080	Gasoline	School Bus	0.10956	0.09479	4.09881	0.01997	0.00705	0.00211	0.03243
22-01-51-0080	Gasoline	Refuse Truck	0.01231	0.01067	0.13167	0.00052	0.00041	1.3433E-05	0.00047
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	9.85307	7.89469	120.06195	0.47455	0.26918	0.03384	0.62488
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	0.52753	0.39430	5.98546	0.04179	0.01614	0.00430	0.07751
22-01-54-0080	Gasoline	Motor Home	2.64749	2.53514	41.58962	0.11917	0.07484	0.00429	0.12087
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.00150	0.00224	0.04481	4.248E-05	2.093E-05	2.725E-06	0.00010
22-02-21-0080	Diesel	Passenger Car	0.70858	0.83658	17.52662	0.17789	0.03693	0.00792	0.09444
22-02-31-0080	Diesel	Passenger Truck	10.94419	66.28900	66.05987	4.32196	3.01219	0.07724	0.70926
22-02-32-0080	Diesel	Light Commercial Truck	1.14528	7.46592	6.53368	0.46403	0.32364	0.00904	0.08725
22-02-41-0080	Diesel	Other Buses	0.03898	0.78602	0.27626	0.03614	0.02558	0.00051	0.00496
22-02-42-0080	Diesel	Transit Bus	0.07402	1.30209	0.68288	0.03950	0.02160	0.00163	0.02098
22-02-43-0080	Diesel	School Bus	0.39283	6.54006	3.45516	0.32894	0.12375	0.01538	0.23354
22-02-51-0080	Diesel	Refuse Truck	0.08795	1.44860	0.57433	0.07408	0.05367	0.00121	0.01177
22-02-52-0080	Diesel	Single Unit Short-haul Truck	7.98617	45.25204	26.08134	2.42670	1.60218	0.05410	0.59950
22-02-53-0080	Diesel	Single Unit Long-haul Truck	0.38595	4.59909	2.51138	0.28478	0.17952	0.00651	0.08159
22-02-54-0080	Diesel	Motor Home	0.25287	2.35195	1.10028	0.14789	0.11112	0.00157	0.00970
22-02-61-0080	Diesel	Combination Short-haul Truck	3.94787	97.49917	40.13577	4.34573	2.65032	0.11257	1.44215
22-02-62-0080	Diesel	Combination Long-haul Truck	13.24057	357.67270	143.26917	15.77885	9.90337	0.35713	4.25444
22-03-41-0080	CNG	Other Buses	0.01080	0.04386	0.23949	0.00151	0.00067	8.899E-05	0.00220
22-03-42-0080	CNG	Transit Bus	0.02353	0.07745	0.95056	0.00368	0.00099	0.00036	0.00789
22-03-43-0080	CNG	School Bus	0.02221	0.03365	0.97351	0.00299	0.00059	0.00026	0.00611
22-03-51-0080	CNG	Refuse Truck	0.00941	0.01610	0.40575	0.00126	0.00025	0.00015	0.00265
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.06156	0.12263	2.61697	0.01091	0.00206	0.00079	0.01716
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.00817	0.01528	0.32901	0.00150	0.00027	0.00011	0.00227
22-03-54-0080	CNG	Motor Home	6.142E-06	4.893E-05	4.708E-05	9.091E-07	5.090E-07	3.118E-08	1.117E-06
22-03-61-0080	CNG	Combination Short-haul Truck	0.06687	0.11168	3.22984	0.00901	0.00178	0.00100	0.02614
22-03-62-0080	CNG	Combination Long-haul Truck	0.12401	0.19384	6.47562	0.02190	0.00286	0.00257	0.04800
22-09-31-0080	Electricity	Passenger Truck	0	0	0	1.707E-07	2.269E-08	0	0
New London County Total for On-Road Mobile Sources			**645.04**	**1,117.51**	**8,615.03**	**107.67**	**39.39**	**5.97**	**135.07**

Table F-7: Annual 2020 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	Gasoline	Motorcycle	29.3703	7.74700	145.886	0.452473	0.226277	0.021394	0.428204
22-01-21-0080	Gasoline	Passenger Car	152.8213	113.3655	1971.56	21.6424	5.18070	1.14729	33.5722
22-01-31-0080	Gasoline	Passenger Truck	154.33786	170.1211	2569.41	31.063521	7.741791	1.928558	40.51994
22-01-32-0080	Gasoline	Light Commercial Truck	7.018523	9.438887	133.0715	1.235013	0.360833	0.086513	1.71012
22-01-41-0080	Gasoline	Other Buses	0.019291	0.027958	1.260326	0.003019	1.42E-03	3.50E-04	0.006292
22-01-42-0080	Gasoline	Transit Bus	0.057547	0.076099	3.940242	0.009283	0.003953	1.29E-03	0.021805
22-01-43-0080	Gasoline	School Bus	0.056532	0.052066	2.337592	0.012536	0.004171	1.30E-03	2.01E-02
22-01-51-0080	Gasoline	Refuse Truck	0.004843	0.004858	0.057254	0.000236	0.000187	6.111E-06	0.00021453
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	5.887886	5.090298	76.834857	0.331239	0.183640	0.024077	0.446739
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	0.326186	0.279810	4.183025	0.030233	0.011546	0.003084	0.055598
22-01-54-0080	Gasoline	Motor Home	1.815071	1.986587	30.764531	9.51E-02	5.93E-02	3.40E-03	9.61E-02
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.000978	0.001610	0.031715	3.0901E-05	1.4899E-05	1.9541E-06	7.3304E-05
22-02-21-0080	Diesel	Passenger Car	0.394241	0.464310	9.988813	0.119738	0.023218	0.004588	0.054912
22-02-31-0080	Diesel	Passenger Truck	7.037107	42.605775	42.022978	2.880149	1.949691	0.048713	0.445803
22-02-32-0080	Diesel	Light Commercial Truck	0.615159	3.998610	3.490913	0.255488	0.174647	0.004792	0.046266
22-02-41-0080	Diesel	Other Buses	0.063691	1.301899	0.449167	0.061099	0.042717	0.000836	0.008127
22-02-42-0080	Diesel	Transit Bus	0.095395	1.716166	0.887199	0.053398	0.028770	0.002138	0.027501
22-02-43-0080	Diesel	School Bus	0.225225	4.028281	2.094668	0.211385	0.078344	0.009537	0.145184
22-02-51-0080	Diesel	Refuse Truck	0.039731	0.662642	0.256947	0.033766	0.024427	0.000550	0.005354
22-02-52-0080	Diesel	Single Unit Short-haul Truck	5.360756	31.732027	17.979775	1.744035	1.146876	0.038463	0.427860
22-02-53-0080	Diesel	Single Unit Long-haul Truck	0.274485	3.311280	1.796125	2.06E-01	1.29E-01	4.66E-03	5.84E-02
22-02-54-0080	Diesel	Motor Home	0.199872	1.873354	0.844080	0.118054	0.088460	0.001245	0.007703
22-02-61-0080	Diesel	Combination Short-haul Truck	2.823007	70.639033	28.937704	3.181403	1.924040	0.080773	1.035463
22-02-62-0080	Diesel	Combination Long-haul Truck	9.45742	257.8652	103.0140	11.51308	7.16380	0.255676	3.051508
22-03-41-0080	CNG	Other Buses	0.018078	0.073018	0.393100	0.002587	0.001113	0.000146	0.003608
22-03-42-0080	CNG	Transit Bus	0.031416	0.103648	1.250647	0.005035	0.001336	0.000477	0.010327
22-03-43-0080	CNG	School Bus	0.014101	0.021466	0.606942	0.001932	0.000374	0.000163	0.003811
22-03-51-0080	CNG	Refuse Truck	0.004285	0.007433	0.184431	0.000579	0.000114	6.6708E-05	0.001206
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.044020	0.088909	1.840908	0.007920	0.001482	0.000566	0.012263
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.005877	0.011123	0.235559	0.001097	0.000198	7.7208E-05	0.001633
22-03-54-0080	CNG	Motor Home	4.9062E-06	3.9327E-05	3.68857E-05	7.2866E-07	4.0587E-07	2.4774E-08	8.8911E-07
22-03-61-0080	CNG	Combination Short-haul Truck	0.048587	0.082209	2.334798	0.006700	0.001313	0.000722	0.018799
22-03-62-0080	CNG	Combination Long-haul Truck	0.089405	0.141523	4.672613	0.016305	0.002128	0.001841	0.034419
22-09-31-0080	Electricity	Passenger Truck	0	0	0	1.2613E-07	1.6658E-08	0	0
Tolland County Total for On-Road Mobile Sources			**378.558134**	**728.919815**	**5162.619653**	**75.2947258**	**26.5561384**	**3.67329455**	**82.277615**

Table F-8: Annual 2020 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	Gasoline	Motorcycle	24.7545	4.3220	85.6353	0.29418	0.13869	0.01270	0.23889
22-01-21-0080	Gasoline	Passenger Car	119.255	74.6550	1359.696	15.1028	3.64733	0.72288	20.8444
22-01-31-0080	Gasoline	Passenger Truck	116.640	109.460	1711.169	21.2577	5.35999	1.17821	24.4312
22-01-32-0080	Gasoline	Light Commercial Truck	5.48542	6.27614	94.11567	0.88999	0.25972	0.05456	1.06490
22-01-41-0080	Gasoline	Other Buses	0.00760	0.00954	0.38635	0.00111	0.00053	0.00011	0.00193
22-01-42-0080	Gasoline	Transit Bus	0.03172	0.03652	1.64364	0.00475	0.00206	0.00055	0.00926
22-01-43-0080	Gasoline	School Bus	0.04951	0.04006	1.49078	0.00946	0.00333	0.00083	0.01268
22-01-51-0080	Gasoline	Refuse Truck	0.02123	0.01385	0.19205	0.00074	0.00059	1.705E-05	0.00059
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	5.79195	4.24199	65.22630	0.25423	0.15157	0.01393	0.25155
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	0.29549	0.16877	2.57260	0.01992	0.00739	0.00175	0.03137
22-01-54-0080	Gasoline	Motor Home	1.65026	1.16811	22.00467	0.06029	0.03722	0.00186	0.05182
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.00074	0.00092	0.01832	1.963E-05	8.973E-06	1.122E-06	4.201E-05
22-02-21-0080	Diesel	Passenger Car	0.30525	0.30802	6.59946	0.08319	0.01607	0.00288	0.03407
22-02-31-0080	Diesel	Passenger Truck	4.57265	27.21150	26.62774	1.82894	1.21340	0.02986	0.26933
22-02-32-0080	Diesel	Light Commercial Truck	0.41574	2.66030	2.29604	0.16858	0.11234	0.00303	0.02879
22-02-41-0080	Diesel	Other Buses	0.02120	0.40908	0.14836	0.02042	0.01388	0.00026	0.00252
22-02-42-0080	Diesel	Transit Bus	0.04500	0.75985	0.40284	0.02516	0.01297	0.00092	0.01180
22-02-43-0080	Diesel	School Bus	0.18080	2.73745	1.42878	0.14807	0.05235	0.00606	0.09180
22-02-51-0080	Diesel	Refuse Truck	0.12156	1.87961	0.78591	0.10106	0.07094	0.00153	0.01475
22-02-52-0080	Diesel	Single Unit Short-haul Truck	4.47504	20.27272	12.04204	1.07306	0.68071	0.02220	0.24043
22-02-53-0080	Diesel	Single Unit Long-haul Truck	0.17318	1.95707	1.06629	0.12723	0.07653	0.00264	0.03291
22-02-54-0080	Diesel	Motor Home	0.11846	1.04107	0.53853	0.06842	0.05006	0.00069	0.00416
22-02-61-0080	Diesel	Combination Short-haul Truck	1.75939	41.53657	17.42276	2.00183	1.15618	0.04628	0.59257
22-02-62-0080	Diesel	Combination Long-haul Truck	5.53745	150.05529	60.98606	7.21279	4.29050	0.14632	1.74810
22-03-41-0080	CNG	Other Buses	0.00592	0.02268	0.12363	0.00088	0.00035	4.582E-05	0.001126
22-03-42-0080	CNG	Transit Bus	0.01420	0.04487	0.54436	0.00246	0.00061	0.00021	0.00444
22-03-43-0080	CNG	School Bus	0.00947	0.01388	0.38740	0.00139	0.00026	0.00010	0.00244
22-03-51-0080	CNG	Refuse Truck	0.01264	0.02151	0.51919	0.00194	0.00037	0.00019	0.00334
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.02717	0.05236	1.12275	0.00536	0.00098	0.00033	0.00714
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.00357	0.00659	0.13568	0.00075	0.00013	4.500E-05	0.00095
22-03-54-0080	CNG	Motor Home	2.908E-06	2.145E-05	2.197E-05	4.287E-07	2.239E-07	1.391E-08	4.957E-07
22-03-61-0080	CNG	Combination Short-haul Truck	0.02992	0.04899	1.35342	0.00459	0.00087	0.00042	0.01081
22-03-62-0080	CNG	Combination Long-haul Truck	0.05434	0.08455	2.69827	0.01130	0.00147	0.00106	0.01975
22-09-31-0080	Electricity	Passenger Truck	0	0	0	8.588E-08	1.128E-08	0	0
Windham County Total for On-Road Mobile Sources			**291.8660**	**451.5169**	**3481.3802**	**50.7825**	**17.3594**	**2.2525**	**50.0598**

Table F-9: 2020 Summer Weekday 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	Gasoline	Motorcycle	759.513	175.642	4243.721
22-01-21-0080	Gasoline	Passenger Car	5365.933	2836.902	64433.749
22-01-31-0080	Gasoline	Passenger Truck	5486.219	4489.804	88159.496
22-01-32-0080	Gasoline	Light Commercial Truck	491.843	496.269	8959.480
22-01-41-0080	Gasoline	Other Buses	0.557	0.485	19.825
22-01-42-0080	Gasoline	Transit Bus	3.282	2.623	115.021
22-01-43-0080	Gasoline	School Bus	2.476	1.411	45.436
22-01-51-0080	Gasoline	Refuse Truck	0.356	0.168	2.729
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	254.826	152.985	2152.180
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	11.750	4.831	88.159
22-01-54-0080	Gasoline	Motor Home	18.472	9.579	188.193
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.032	0.026	0.634
22-02-21-0080	Diesel	Passenger Car	8.363	14.715	409.003
22-02-31-0080	Diesel	Passenger Truck	199.469	1477.361	1708.872
22-02-32-0080	Diesel	Light Commercial Truck	33.378	273.096	277.915
22-02-41-0080	Diesel	Other Buses	1.106	20.112	8.823
22-02-42-0080	Diesel	Transit Bus	3.099	53.811	33.598
22-02-43-0080	Diesel	School Bus	3.501	84.409	50.875
22-02-51-0080	Diesel	Refuse Truck	1.731	25.983	12.680
22-02-52-0080	Diesel	Single Unit Short-haul Truck	60.569	738.519	491.314
22-02-53-0080	Diesel	Single Unit Long-haul Truck	6.199	69.560	43.907
22-02-54-0080	Diesel	Motor Home	1.251	10.395	5.806
22-02-61-0080	Diesel	Combination Short-haul Truck	64.167	1421.397	691.578
22-02-62-0080	Diesel	Combination Long-haul Truck	221.837	5127.275	2416.179
22-03-41-0080	CNG	Other Buses	0.340	0.966	7.207
22-03-42-0080	CNG	Transit Bus	1.175	2.721	44.559
22-03-43-0080	CNG	School Bus	0.316	0.347	12.926
22-03-51-0080	CNG	Refuse Truck	0.208	0.261	8.418
22-03-52-0080	CNG	Single Unit Short-haul Truck	1.098	1.635	47.099
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.150	0.205	5.725
22-03-54-0080	CNG	Motor Home	3.358E-05	0.0002	0.0002
22-03-61-0080	CNG	Combination Short-haul Truck	1.207	1.482	54.003
22-03-62-0080	CNG	Combination Long-haul Truck	2.203	2.553	108.162
22-09-31-0080	Electricity	Passenger Truck	0	0	0
Fairfield County Total for On-Road Mobile Sources			**13,006.626**	**17,497.529**	**174,847.272**

Table F-10: 2020 Summer Weekday 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	880.771	203.717	4,720.437
22-01-21-0080	Gas	Passenger Car	5,968.166	3,390.645	75,222.772
22-01-31-0080	Gas	Passenger Truck	4,809.890	4,232.789	82,091.183
22-01-32-0080	Gas	Light Commercial Truck	485.989	529.525	9,358.403
22-01-41-0080	Gas	Other Buses	1.550	1.362	57.796
22-01-42-0080	Gas	Transit Bus	1.714	1.387	62.741
22-01-43-0080	Gas	School Bus	3.282	1.892	60.555
22-01-51-0080	Gas	Refuse Truck	0.424	0.203	3.183
22-01-52-0080	Gas	Single Unit Short-Haul Truck	278.596	169.299	2,360.085
22-01-53-0080	Gas	Single Unit Long-Haul Truck	12.624	5.317	94.577
22-01-54-0080	Gas	Motor Home	39.146	18.133	348.530
22-01-61-0080	Gas	Combination Short-Haul Truck	0.045	0.030	0.707
22-02-21-0080	Diesel	Passenger Car	9.475	17.170	476.912
22-02-31-0080	Diesel	Passenger Truck	183.588	1,358.557	1,572.253
22-02-32-0080	Diesel	Light Commercial Truck	34.969	285.298	290.456
22-02-41-0080	Diesel	Intercity Bus	2.796	51.872	22.382
22-02-42-0080	Diesel	Transit Bus	1.460	25.304	15.769
22-02-43-0080	Diesel	School Bus	4.594	100.690	61.513
22-02-51-0080	Diesel	Refuse Truck	1.995	30.392	14.594
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	65.022	780.229	515.502
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	6.347	72.429	45.235
22-02-54-0080	Diesel	Motor Home	2.200	18.755	10.399
22-02-61-0080	Diesel	Combination Short-Haul Truck	67.528	1,509.179	734.448
22-02-62-0080	Diesel	Combination Long-Haul Truck	231.560	5,443.160	2,526.304
22-03-41-0080	CNG	Other Buses	0.829	2.542	18.471
22-03-42-0080	CNG	Transit Bus	0.525	1.312	21.210
22-03-43-0080	CNG	School Bus	0.356	0.415	15.593
22-03-51-0080	CNG	Refuse Truck	0.230	0.302	9.840
22-03-52-0080	CNG	Single Unit Short-haul Truck	1.096	1.719	49.575
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.150	0.215	5.987
22-03-54-0080	CNG	Motor Home	0.000	0.000	0.000
22-03-61-0080	CNG	Combination Short-haul Truck	1.214	1.572	58.002
22-03-62-0080	CNG	Combination Long-haul Truck	2.223	2.683	115.481
22-09-31-0080	Electricity	Passenger Truck	0.000	0.000	0.000
Hartford County Total for On-Road Mobile Sources			**13,100.355**	**18,258.094**	**180,960.894**

Table F-11: 2020 Summer Weekday 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	Gasoline	Motorcycle	283.910	41.127	1011.948
22-01-21-0080	Gasoline	Passenger Car	1189.477	559.838	13015.038
22-01-31-0080	Gasoline	Passenger Truck	1307.694	954.760	18861.966
22-01-32-0080	Gasoline	Light Commercial Truck	98.217	89.284	1642.283
22-01-41-0080	Gasoline	Other Buses	0.066	0.054	1.721
22-01-42-0080	Gasoline	Transit Bus	0.204	0.158	5.503
22-01-43-0080	Gasoline	School Bus	0.577	0.326	8.747
22-01-51-0080	Gasoline	Refuse Truck	0.157	0.044	0.880
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	88.969	48.708	650.228
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	3.784	0.931	15.762
22-01-54-0080	Gasoline	Motor Home	17.334	4.788	115.927
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.009	0.005	0.108
22-02-21-0080	Diesel	Passenger Car	1.833	2.858	81.873
22-02-31-0080	Diesel	Passenger Truck	42.540	317.706	364.729
22-02-32-0080	Diesel	Light Commercial Truck	5.899	48.659	49.250
22-02-41-0080	Diesel	Other Buses	0.136	2.390	1.082
22-02-42-0080	Diesel	Transit Bus	0.200	3.515	2.165
22-02-43-0080	Diesel	School Bus	0.938	20.821	11.850
22-02-51-0080	Diesel	Refuse Truck	0.451	6.451	3.576
22-02-52-0080	Diesel	Single Unit Short-haul Truck	12.700	163.322	112.894
22-02-53-0080	Diesel	Single Unit Long-haul Truck	1.138	12.916	7.988
22-02-54-0080	Diesel	Motor Home	0.564	4.575	3.089
22-02-61-0080	Diesel	Combination Short-haul Truck	12.104	265.174	132.667
22-02-62-0080	Diesel	Combination Long-haul Truck	37.253	911.111	434.026
22-03-41-0080	CNG	Other Buses	0.045	0.115	0.817
22-03-42-0080	CNG	Transit Bus	0.080	0.177	2.706
22-03-43-0080	CNG	School Bus	0.082	0.086	2.874
22-03-51-0080	CNG	Refuse Truck	0.055	0.069	1.989
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.217	0.315	9.227
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.029	0.040	0.987
22-03-54-0080	CNG	Motor Home	1.651E-05	8.076E-05	0.00012
22-03-61-0080	CNG	Combination Short-haul Truck	0.244	0.292	9.357
22-03-62-0080	CNG	Combination Long-haul Truck	0.422	0.479	18.439
22-09-31-0080	Electricity	Passenger Truck	0	0	0
Litchfield County Total for On-Road Mobile Sources			**3,107.327**	**3,461.095**	**36,581.698**

Table F-12: 2020 Summer Weekday 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	283.910	41.127	1,011.948
22-01-21-0080	Gas	Passenger Car	1,189.477	559.838	13,015.038
22-01-31-0080	Gas	Passenger Truck	1,307.694	954.760	18,861.966
22-01-32-0080	Gas	Light Commercial Truck	98.217	89.284	1,642.283
22-01-41-0080	Gas	Other Buses	0.066	0.054	1.721
22-01-42-0080	Gas	Transit Bus	0.204	0.158	5.503
22-01-43-0080	Gas	School Bus	0.577	0.326	8.747
22-01-51-0080	Gas	Refuse Truck	0.157	0.044	0.880
22-01-52-0080	Gas	Single Unit Short-Haul Truck	88.969	48.708	650.228
22-01-53-0080	Gas	Single Unit Long-Haul Truck	3.784	0.931	15.762
22-01-54-0080	Gas	Motor Home	17.334	4.788	115.927
22-01-61-0080	Gas	Combination Short-Haul Truck	0.009	0.005	0.108
22-02-21-0080	Diesel	Passenger Car	1.833	2.858	81.873
22-02-31-0080	Diesel	Passenger Truck	42.540	317.706	364.729
22-02-32-0080	Diesel	Light Commercial Truck	5.899	48.659	49.250
22-02-41-0080	Diesel	Intercity Bus	0.136	2.390	1.082
22-02-42-0080	Diesel	Transit Bus	0.200	3.515	2.165
22-02-43-0080	Diesel	School Bus	0.938	20.821	11.850
22-02-51-0080	Diesel	Refuse Truck	0.451	6.451	3.576
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	12.700	163.322	112.894
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	1.138	12.916	7.988
22-02-54-0080	Diesel	Motor Home	0.564	4.575	3.089
22-02-61-0080	Diesel	Combination Short-Haul Truck	12.104	265.174	132.667
22-02-62-0080	Diesel	Combination Long-Haul Truck	37.253	911.111	434.026
22-03-41-0080	CNG	Other Buses	0.045	0.115	0.817
22-03-42-0080	CNG	Transit Bus	0.080	0.177	2.706
22-03-43-0080	CNG	School Bus	0.082	0.086	2.874
22-03-51-0080	CNG	Refuse Truck	0.055	0.069	1.989
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.217	0.315	9.227
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.029	0.040	0.987
22-03-54-0080	CNG	Motor Home	0.000	0.000	0.000
22-03-61-0080	CNG	Combination Short-haul Truck	0.244	0.292	9.357
22-03-62-0080	CNG	Combination Long-haul Truck	0.422	0.479	18.439
22-09-31-0080	Electricity	Passenger Truck	0.000	0.000	0.000
Middlesex County Total for On-Road Mobile Sources			**3,107.327**	**3,461.095**	**36,581.698**

Table F-13: 2020 Summer Weekday 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	Gasoline	Motorcycle	793.240	184.702	4373.635
22-01-21-0080	Gasoline	Passenger Car	5435.283	3193.412	71877.039
22-01-31-0080	Gasoline	Passenger Truck	4540.506	4097.299	80646.047
22-01-32-0080	Gasoline	Light Commercial Truck	379.541	421.156	7521.103
22-01-41-0080	Gasoline	Other Buses	0.549	0.506	22.808
22-01-42-0080	Gasoline	Transit Bus	1.138	0.953	46.852
22-01-43-0080	Gasoline	School Bus	2.910	1.712	62.660
22-01-51-0080	Gasoline	Refuse Truck	0.355	0.201	3.029
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	218.218	137.758	1976.491
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	10.346	5.096	93.946
22-01-54-0080	Gasoline	Motor Home	29.844	18.618	341.761
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.035	0.029	0.697
22-02-21-0080	Diesel	Passenger Car	8.700	16.426	457.227
22-02-31-0080	Diesel	Passenger Truck	182.232	1337.907	1562.217
22-02-32-0080	Diesel	Light Commercial Truck	28.362	229.776	236.350
22-02-41-0080	Diesel	Other Buses	1.194	22.034	9.353
22-02-42-0080	Diesel	Transit Bus	1.175	20.347	12.581
22-02-43-0080	Diesel	School Bus	4.469	108.347	65.946
22-02-51-0080	Diesel	Refuse Truck	2.025	30.949	14.538
22-02-52-0080	Diesel	Single Unit Short-haul Truck	61.930	739.798	485.376
22-02-53-0080	Diesel	Single Unit Long-haul Truck	6.388	72.053	45.512
22-02-54-0080	Diesel	Motor Home	2.403	20.337	10.802
22-02-61-0080	Diesel	Combination Short-haul Truck	68.181	1517.197	734.960
22-02-62-0080	Diesel	Combination Long-haul Truck	239.686	5518.034	2584.626
22-03-41-0080	CNG	Other Buses	0.358	1.069	7.930
22-03-42-0080	CNG	Transit Bus	0.436	1.051	17.248
22-03-43-0080	CNG	School Bus	0.408	0.462	17.547
22-03-51-0080	CNG	Refuse Truck	0.237	0.303	10.141
22-03-52-0080	CNG	Single Unit Short-haul Truck	1.104	1.688	48.650
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.151	0.211	6.053
22-03-54-0080	CNG	Motor Home	6.195E-05	0.0004	0.0005
22-03-61-0080	CNG	Combination Short-haul Truck	1.250	1.567	58.753
22-03-62-0080	CNG	Combination Long-haul Truck	2.307	2.712	117.815
22-09-31-0080	Electricity	Passenger Truck	0	0	0
New Haven County Total for On-Road Mobile Sources			**12,024.962**	**17,703.709**	**173,469.692**

Table F-14: 2020 Summer Weekday 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	332.414	54.710	1,288.912
22-01-21-0080	Gas	Passenger Car	1,808.180	1,056.601	23,461.001
22-01-31-0080	Gas	Passenger Truck	1,669.353	1,508.551	29,569.312
22-01-32-0080	Gas	Light Commercial Truck	90.514	100.387	1,773.732
22-01-41-0080	Gas	Other Buses	0.104	0.098	5.237
22-01-42-0080	Gas	Transit Bus	0.398	0.344	20.516
22-01-43-0080	Gas	School Bus	0.979	0.603	25.716
22-01-51-0080	Gas	Refuse Truck	0.098	0.052	0.784
22-01-52-0080	Gas	Single Unit Short-Haul Truck	84.021	52.449	747.531
22-01-53-0080	Gas	Single Unit Long-Haul Truck	3.870	1.812	33.336
22-01-54-0080	Gas	Motor Home	23.671	12.212	228.357
22-01-61-0080	Gas	Combination Short-Haul Truck	0.011	0.011	0.251
22-02-21-0080	Diesel	Passenger Car	2.891	5.346	149.059
22-02-31-0080	Diesel	Passenger Truck	63.029	471.216	547.526
22-02-32-0080	Diesel	Light Commercial Truck	6.458	53.077	54.048
22-02-41-0080	Diesel	Other Buses	0.222	4.321	1.750
22-02-42-0080	Diesel	Transit Bus	0.403	7.194	4.316
22-02-43-0080	Diesel	School Bus	1.643	37.654	22.576
22-02-51-0080	Diesel	Refuse Truck	0.507	7.968	3.691
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	21.593	260.529	169.000
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	2.122	24.732	15.271
22-02-54-0080	Diesel	Motor Home	1.470	12.910	6.823
22-02-61-0080	Diesel	Combination Short-Haul Truck	23.238	536.291	251.880
22-02-62-0080	Diesel	Combination Long-Haul Truck	82.319	1,961.611	894.375
22-03-41-0080	CNG	Other Buses	0.067	0.212	1.501
22-03-42-0080	CNG	Transit Bus	0.146	0.374	5.960
22-03-43-0080	CNG	School Bus	0.138	0.163	6.122
22-03-51-0080	CNG	Refuse Truck	0.058	0.077	2.542
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.366	0.580	16.632
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.050	0.072	2.034
22-03-54-0080	CNG	Motor Home	0.000	0.000	0.000
22-03-61-0080	CNG	Combination Short-haul Truck	0.418	0.543	20.184
22-03-62-0080	CNG	Combination Long-haul Truck	0.775	0.940	40.410
22-09-31-0080	Electricity	Passenger Truck	0.000	0.000	0.000
New London County Total for On-Road Mobile Sources			**4,221.529**	**6,173.639**	**59,370.384**

Table F-15: 2020 Summer Weekday 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	Gasoline	Motorcycle	219.290	36.793	885.627
22-01-21-0080	Gasoline	Passenger Car	980.217	589.380	13555.927
22-01-31-0080	Gasoline	Passenger Truck	980.593	899.611	18053.430
22-01-32-0080	Gasoline	Light Commercial Truck	45.308	51.393	922.747
22-01-41-0080	Gasoline	Other Buses	0.147	0.145	7.806
22-01-42-0080	Gasoline	Transit Bus	0.442	0.402	24.454
22-01-43-0080	Gasoline	School Bus	0.496	0.316	14.630
22-01-51-0080	Gasoline	Refuse Truck	0.039	0.023	0.338
22-01-52-0080	Gasoline	Single Unit Short-haul Truck	50.903	32.847	474.513
22-01-53-0080	Gasoline	Single Unit Long-haul Truck	2.426	1.274	23.535
22-01-54-0080	Gasoline	Motor Home	16.145	9.430	169.332
22-01-61-0080	Gasoline	Combination Short-haul Truck	0.007	0.007	0.177
22-02-21-0080	Diesel	Passenger Car	1.601	2.960	85.847
22-02-31-0080	Diesel	Passenger Truck	40.914	303.429	350.219
22-02-32-0080	Diesel	Light Commercial Truck	3.497	28.457	29.059
22-02-41-0080	Diesel	Other Buses	0.369	7.101	2.839
22-02-42-0080	Diesel	Transit Bus	0.531	9.398	5.597
22-02-43-0080	Diesel	School Bus	0.978	22.787	13.563
22-02-51-0080	Diesel	Refuse Truck	0.230	3.614	1.644
22-02-52-0080	Diesel	Single Unit Short-haul Truck	15.252	180.038	115.813
22-02-53-0080	Diesel	Single Unit Long-haul Truck	1.527	17.707	10.957
22-02-54-0080	Diesel	Motor Home	1.171	10.209	5.244
22-02-61-0080	Diesel	Combination Short-haul Truck	16.804	385.700	181.621
22-02-62-0080	Diesel	Combination Long-haul Truck	58.914	1404.330	643.817
22-03-41-0080	CNG	Other Buses	0.113	0.349	2.464
22-03-42-0080	CNG	Transit Bus	0.196	0.496	7.841
22-03-43-0080	CNG	School Bus	0.088	0.103	3.813
22-03-51-0080	CNG	Refuse Truck	0.026	0.035	1.155
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.263	0.416	11.670
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.036	0.052	1.459
22-03-54-0080	CNG	Motor Home	3.055E-05	0.0002	0.0002
22-03-61-0080	CNG	Combination Short-haul Truck	0.304	0.396	14.604
22-03-62-0080	CNG	Combination Long-haul Truck	0.559	0.679	29.192
22-09-31-0080	Electricity	Passenger Truck	0	0	0
Tolland County Total for On-Road Mobile Sources			**2,439.386**	**3,999.877**	**35,650.936**

Table F-16: 2020 Summer Weekday 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	186.832	20.668	518.231
22-01-21-0080	Gas	Passenger Car	765.163	388.059	8,865.294
22-01-31-0080	Gas	Passenger Truck	740.887	581.864	11,444.300
22-01-32-0080	Gas	Light Commercial Truck	35.396	34.450	624.075
22-01-41-0080	Gas	Other Buses	0.059	0.053	2.397
22-01-42-0080	Gas	Transit Bus	0.249	0.206	10.211
22-01-43-0080	Gas	School Bus	0.448	0.264	9.388
22-01-51-0080	Gas	Refuse Truck	0.176	0.068	1.165
22-01-52-0080	Gas	Single Unit Short-Haul Truck	50.630	29.445	405.690
22-01-53-0080	Gas	Single Unit Long-Haul Truck	2.229	0.774	13.853
22-01-54-0080	Gas	Motor Home	14.962	5.709	119.706
22-01-61-0080	Gas	Combination Short-Haul Truck	0.006	0.004	0.103
22-02-21-0080	Diesel	Passenger Car	1.193	1.971	55.927
22-02-31-0080	Diesel	Passenger Truck	25.718	194.068	220.021
22-02-32-0080	Diesel	Light Commercial Truck	2.276	18.951	18.943
22-02-41-0080	Diesel	Other Buses	0.119	2.249	0.946
22-02-42-0080	Diesel	Transit Bus	0.237	4.203	2.561
22-02-43-0080	Diesel	School Bus	0.707	15.866	9.436
22-02-51-0080	Diesel	Refuse Truck	0.675	10.377	5.137
22-02-52-0080	Diesel	Single Unit Short-Haul Truck	9.536	119.211	79.551
22-02-53-0080	Diesel	Single Unit Long-Haul Truck	0.904	10.478	6.471
22-02-54-0080	Diesel	Motor Home	0.666	5.717	3.343
22-02-61-0080	Diesel	Combination Short-Haul Truck	10.059	228.612	110.000
22-02-62-0080	Diesel	Combination Long-Haul Truck	34.475	822.812	382.330
22-03-41-0080	CNG	Other Buses	0.037	0.109	0.779
22-03-42-0080	CNG	Transit Bus	0.089	0.216	3.431
22-03-43-0080	CNG	School Bus	0.059	0.067	2.450
22-03-51-0080	CNG	Refuse Truck	0.078	0.102	3.276
22-03-52-0080	CNG	Single Unit Short-haul Truck	0.160	0.247	7.232
22-03-53-0080	CNG	Single Unit Long-haul Truck	0.022	0.031	0.840
22-03-54-0080	CNG	Motor Home	0.000	0.000	0.000
22-03-61-0080	CNG	Combination Short-haul Truck	0.188	0.238	8.498
22-03-62-0080	CNG	Combination Long-haul Truck	0.341	0.409	16.909
22-09-31-0080	Electricity	Passenger Truck	0.000	0.000	0.000
Windham County Total for On-Road Mobile Sources			**1,884.576**	**2,497.501**	**22,952.493**

Table F-17: 2020 Annual 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	1	2	46	0	0	0	0
Diesel	118	1635	892	86	53	2	20
Electricity	0	0	0	0	0	0	0
Gasoline	1,935	1,575	25,377	262	68	16	377
Fairfield Total	**2,054**	**3,211**	**26,316**	**348**	**121**	**18**	**398**
Hartford							
CNG	1	2	47	0	0	0	0
Diesel	121	1699	912	84	53	2	22
Electricity	0	0	0	0	0	0	0
Gasoline	1,917	1,624	25,952	254	68	16	395
Hartford Total	**2,038**	**3,325**	**26,911**	**338**	**121**	**18**	**417**
Litchfield							
CNG	0	0	7	0	0	0	0
Diesel	26	305	171	18	10	0	4
Electricity	0	0	0	0	0	0	0
Gasoline	462	324	5,548	66	17	3	72
Litchfield Total	**488**	**629**	**5,727**	**84**	**27**	**3**	**76**
Middlesex							
CNG	0	0	11	0	0	0	0
Diesel	27	378	203	18	12	0	5
Electricity	0	0	0	0	0	0	0
Gasoline	402	357	5,574	55	15	4	87
Middlesex Total	**429**	**735**	**5,788**	**73**	**26**	**4**	**92**
New Haven							
CNG	1	2	45	0	0	0	0
Diesel	116	1,707	906	85	53	2	22
Electricity	0	0	0	0	0	0	0
Gasoline	1,789	1,563	24,634	243	65	16	388
New Haven Total	**1,905**	**3,272**	**25,586**	**328**	**118**	**18**	**410**
New London							
CNG	0	1	15	0	0	0	0
Diesel	39	592	308	28	18	1	8
Electricity	0	0	0	0	0	0	0
Gasoline	606	525	8,292	79	21	5	127
New London Total	**645**	**1,118**	**8,615**	**108**	**39**	**6**	**135**

Source Type	Annual Emissions [TPY]						
	VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3
Tolland							
CNG	0	1	12	0	0	0	0
Diesel	27	420	212	20	13	0	5
Electricity	0	0	0	0	0	0	0
Gasoline	352	308	4,939	55	14	3	77
Tolland Total	**379**	**729**	**5,163**	**75**	**27**	**4**	**82**
Windham							
CNG	0	0	7	0	0	0	0
Diesel	18	251	130	13	8	0	3
Electricity	0	0	0	0	0	0	0
Gasoline	274	200	3,344	38	10	2	47
Windham Total	**292**	**452**	**3,481**	**51**	**17**	**2**	**50**
Statewide Total	**8,231**	**13,471**	**107,586**	**1,405**	**497**	**73**	**1,660**

Table F-18: 2020 Summer Weekday Onroad Emissions by Fuel Type
(Excluding Refueling Emissions)

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_X	CO
Fairfield			
CNG	6.7	10.2	288
Diesel	605	9,317	6,151
Electricity	0	0	0
Gas	12,395	8,171	168,409
Fairfield Total	**13,007**	**17,498**	**174,847**
Hartford			
CNG	6.6	10.8	294
Diesel	612	9,693	6,286
Electricity	0	0	0
Gas	12,482	8,554	174,381
Hartford Total	**13,100**	**18,258**	**180,961**
Litchfield			
CNG	1.2	1.6	46
Diesel	116	1,759	1,205
Electricity	0	0	0
Gas	2,990	1,700	35,330

Source Type	Summer Day Emissions [lb/day]		
	VOC	NO_x	CO
Litchfield Total	**3,107**	**3,461**	**36,582**
Middlesex			
CNG	1.4	2.1	67
Diesel	137	2,154	1,403
Electricity	0	0	0
Gas	2,588	1,857	38,159
Middlesex Total	**2,726**	**4,013**	**39,630**
New Haven			
CNG	2.0	3.0	95
Diesel	206	3,383	2,120
E85	0	0	0
Gas	4,014	2,788	57,155
New Haven Total	**4,222**	**6,174**	**59,370**
New London			
CNG	2.0	3.0	95
Diesel	206	3,383	2,120
E85	0	0	0
Gas	4,014	2,788	57,155
New London Total	**4,222**	**6,174**	**59,370**
Tolland			
CNG	1.6	2.5	72
Diesel	142	2,376	1,446
E85	0	0	0
Gas	2,296	1,622	34,133
Tolland Total	**2,439**	**4,000**	**35,651**
Windham			
CNG	1.0	1.4	43
Diesel	87	1,435	895
E85	0	0	0
Gas	1,797	1,062	22,014
Windham Total	**1,885**	**2,498**	**22,952**
Statewide Total	**52,511**	**73,604**	**723,463**

Table F-19: 2020 NEI SCC's

SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four
22-01-62-0080	Mobile Sources	Highway Vehicles - Gasoline	Combination Long-haul Truck	All on and off-network processes except refueling
22-02-11-0080	Mobile Sources	Highway Vehicles - Diesel	Motorcycle	All on and off-network processes except refueling
22-03-11-0080	Mobile Sources	Highway Vehicles - CNG	Motorcycle	All on and off-network processes except refueling
22-03-21-0080	Mobile Sources	Highway Vehicles - CNG	Passenger Car	All on and off-network processes except refueling
22-03-31-0080	Mobile Sources	Highway Vehicles - CNG	Passenger Truck	All on and off-network processes except refueling
22-03-32-0080	Mobile Sources	Highway Vehicles - CNG	Light Commercial Truck	All on and off-network processes except refueling
22-04-11-0080	Mobile Sources	Highway Vehicles - LPG	Motorcycle	All on and off-network processes except refueling
22-04-21-0080	Mobile Sources	Highway Vehicles - LPG	Passenger Car	All on and off-network processes except refueling
22-04-31-0080	Mobile Sources	Highway Vehicles - LPG	Passenger Truck	All on and off-network processes except refueling
22-04-32-0080	Mobile Sources	Highway Vehicles - LPG	Light Commercial Truck	All on and off-network processes except refueling
22-04-41-0080	Mobile Sources	Highway Vehicles - LPG	Other Buses	All on and off-network processes except refueling
22-04-42-0080	Mobile Sources	Highway Vehicles - LPG	Transit Bus	All on and off-network processes except refueling
22-04-43-0080	Mobile Sources	Highway Vehicles - LPG	School Bus	All on and off-network processes except refueling
22-04-51-0080	Mobile Sources	Highway Vehicles - LPG	Refuse Truck	All on and off-network processes except refueling
22-04-52-0080	Mobile Sources	Highway Vehicles - LPG	Single Unit Short-haul Truck	All on and off-network processes except refueling
22-04-53-0080	Mobile Sources	Highway Vehicles - LPG	Single Unit Long-haul Truck	All on and off-network processes except refueling
22-04-54-0080	Mobile Sources	Highway Vehicles - LPG	Motor Home	All on and off-network processes except refueling
22-04-61-0080	Mobile Sources	Highway Vehicles - LPG	Combination Short-haul Truck	All on and off-network processes except refueling
22-04-62-0080	Mobile Sources	Highway Vehicles - LPG	Combination Long-haul Truck	All on and off-network processes except refueling
22-05-11-0080	Mobile Sources	Highway Vehicles - E-85	Motorcycle	All on and off-network processes except refueling
22-05-41-0080	Mobile Sources	Highway Vehicles - E-85	Other Buses	All on and off-network processes except refueling
22-05-42-0080	Mobile Sources	Highway Vehicles - E-85	Transit Bus	All on and off-network processes except refueling
22-05-43-0080	Mobile Sources	Highway Vehicles - E-85	School Bus	All on and off-network processes except refueling
22-05-51-0080	Mobile Sources	Highway Vehicles - E-85	Refuse Truck	All on and off-network processes except refueling
22-05-52-0080	Mobile Sources	Highway Vehicles - E-85	Single Unit Short-haul Truck	All on and off-network processes except refueling
22-05-53-0080	Mobile Sources	Highway Vehicles - E-85	Single Unit Long-haul Truck	All on and off-network processes except refueling
22-05-54-0080	Mobile Sources	Highway Vehicles - E-85	Motor Home	All on and off-network processes except refueling
22-05-61-0080	Mobile Sources	Highway Vehicles - E-85	Combination Short-haul Truck	All on and off-network processes except refueling
22-05-62-0080	Mobile Sources	Highway Vehicles - E-85	Combination Long-haul Truck	All on and off-network processes except refueling
22-09-11-0080	Mobile Sources	Highway Vehicles - Electricity	Motorcycle	All on and off-network processes except refueling
22-09-21-0080	Mobile Sources	Highway Vehicles - Electricity	Passenger Car	All on and off-network processes except refueling
22-09-32-0080	Mobile Sources	Highway Vehicles - Electricity	Light Commercial Truck	All on and off-network processes except refueling
22-09-41-0080	Mobile Sources	Highway Vehicles - Electricity	Other Buses	All on and off-network processes except refueling

SCC	SCC Level One	SCC Level Two	SCC Level Three	SCC Level Four
22-09-42-0080	Mobile Sources	Highway Vehicles - Electricity	Transit Bus	All on and off-network processes except refueling
22-09-43-0080	Mobile Sources	Highway Vehicles - Electricity	School Bus	All on and off-network processes except refueling
22-09-51-0080	Mobile Sources	Highway Vehicles - Electricity	Refuse Truck	All on and off-network processes except refueling
22-09-52-0080	Mobile Sources	Highway Vehicles - Electricity	Single Unit Short-haul Truck	All on and off-network processes except refueling
22-09-53-0080	Mobile Sources	Highway Vehicles - Electricity	Single Unit Long-haul Truck	All on and off-network processes except refueling
22-09-54-0080	Mobile Sources	Highway Vehicles - Electricity	Motor Home	All on and off-network processes except refueling
22-09-61-0080	Mobile Sources	Highway Vehicles - Electricity	Combination Short-haul Truck	All on and off-network processes except refueling
22-09-62-0080	Mobile Sources	Highway Vehicles - Electricity	Combination Long-haul Truck	All on and off-network processes except refueling

Appendix G Non-Road Mobile Sources

Table G-1: 2020 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	0.3	3.1	2.9	0.2	0.2	0.0	0.0	0
Aircraft Exhaust	12.6	7.7	354.5	8.1	6.5	1.4	0.0	0.3064
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Commercial Equipment	216.3	226.3	6,223.6	19.6	18.7	0.2	0.5	0
Commercial Marine Vessels (CMV)	7.4	212.9	33.0	5.6	5.5	0.8	0.1	0.0007
Construction and Mining Equipment	127.1	590.2	1,318.2	55.0	52.9	0.5	1.4	0
Industrial Equipment	46.5	286.9	1,276.4	13.8	13.5	0.5	0.5	0
Lawn and Garden Equipment (Com)	1,398.4	318.7	21,990.1	118.0	109.0	0.5	1.4	0
Lawn and Garden Equipment (Res)	268.2	43.2	4,757.1	12.3	11.3	0.1	0.3	0
Locomotives	12.6	291.9	53.9	7.9	7.7	0.2	0.2	0
Logging Equipment	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0
Pleasure Craft	314.7	261.0	2,065.9	6.5	6.1	0.2	0.4	0
Railroad Equipment	1.1	5.3	14.8	0.6	0.6	0.0	0.0	0
Recreational Equipment	50.5	9.6	977.9	1.5	1.4	0.0	0.1	0
Fairfield County Total	**2,455.7**	**2,256.7**	**39,068.4**	**249.1**	**233.3**	**4.5**	**5.0**	**0.3071**

Table G-2: 2020 Summer Weekday Non-Road Sector Emissions in Fairfield County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	2.92	30.96	29.45
Aircraft Exhaust	83.25	45.03	2,453.67
Airport Equipment	0.01	0.01	0.09
Commercial Equipment	1,391.70	1,326.92	41,024.30
Commercial Marine Vessels (CMV)	40.42	1,169.88	181.46
Construction and Mining Equipment	933.23	4,315.14	9,992.49
Industrial Equipment	285.71	1,698.04	8,182.83
Lawn and Garden Equipment (Com)	10,167.39	2,629.37	198,530.69
Lawn and Garden Equipment (Res)	1,622.35	226.98	30,867.86
Locomotives	97.06	2,245.02	414.60
Logging Equipment	0.09	0.15	0.93
Pleasure Craft	2,123.53	1,295.29	10,817.21
Railroad Equipment	7.26	35.36	104.14
Recreational Equipment	351.66	55.14	7,021.29
Fairfield County Total	**17,106.58**	**15,073.28**	**309,621.01**

Table G-3: 2020 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	1.7	18.0	16.7	1.2	1.2	0.0	0.0	0
Aircraft Exhaust	82.4	141.4	520.1	10.7	8.9	16.8	0.0	0.3607
Airport Equipment	2.9	4.2	36.2	0.2	0.2	0.0	0.0	0
Commercial Equipment	184.5	191.9	5,288.3	16.7	15.8	0.2	0.5	0
Commercial Marine Vessels (CMV)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0000
Construction and Mining Equipment	91.6	424.7	949.6	39.6	38.1	0.4	1.0	0
Industrial Equipment	52.4	313.9	1,451.7	15.4	15.1	0.5	0.6	0
Lawn and Garden Equipment (Com)	681.2	154.6	10,720.0	57.4	53.0	0.3	0.7	0
Lawn and Garden Equipment (Res)	280.8	44.6	4,944.7	12.8	11.7	0.1	0.3	0
Locomotives	6.6	133.2	19.2	4.2	4.1	0.1	0.1	0
Logging Equipment	0.1	0.1	0.8	0.0	0.0	0.0	0.0	0
Pleasure Craft	96.9	48.3	535.0	1.5	1.4	0.0	0.1	0
Railroad Equipment	1.0	5.1	14.3	0.6	0.5	0.0	0.0	0
Recreational Equipment	41.3	9.1	986.5	1.1	1.1	0.0	0.1	0
Hartford County Total	**1,523.4**	**1,489.3**	**25,483.2**	**161.4**	**151.2**	**18.5**	**3.3**	**0.3607**

Table G-4: 2020 Summer Weekday Non-Road Sector Emissions in Hartford County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	17.08	180.01	171.25
Aircraft Exhaust	436.29	737.55	3,453.23
Airport Equipment	13.76	20.39	174.59
Commercial Equipment	1,223.52	1,125.70	34,821.00
Commercial Marine Vessels (CMV)	0.02	0.71	0.11
Construction and Mining Equipment	675.71	3,104.93	7,191.66
Industrial Equipment	325.39	1,865.14	9,304.93
Lawn and Garden Equipment (Com)	4,969.35	1,278.62	96,612.62
Lawn and Garden Equipment (Res)	1,792.82	235.22	32,024.06
Locomotives	50.94	1,024.82	147.76
Logging Equipment	0.48	0.76	4.86
Pleasure Craft	654.43	243.05	2,778.08
Railroad Equipment	7.13	34.26	100.94
Recreational Equipment	289.81	52.53	7,074.08
Hartford County Total	**10,456.76**	**9,903.69**	**193,859.18**

Table G-5: 2020 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	2.5	27.0	25.0	1.8	1.8	0.0	0.0	0
Aircraft Exhaust	1.1	0.5	85.6	1.7	1.2	0.1	0.0	0.1093
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Commercial Equipment	33.6	34.9	960.9	3.0	2.9	0.0	0.1	0
Commercial Marine Vessels (CMV)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Construction and Mining Equipment	17.4	80.7	180.5	7.5	7.2	0.1	0.2	0
Industrial Equipment	11.6	69.3	322.7	3.4	3.3	0.1	0.1	0
Lawn and Garden Equipment (Com)	196.8	44.6	3,097.1	16.6	15.3	0.1	0.2	0
Lawn and Garden Equipment (Res)	63.7	10.1	1,119.1	2.9	2.7	0.0	0.1	0
Locomotives	2.1	44.5	5.8	1.3	1.3	0.0	0.0	0
Logging Equipment	0.4	0.7	4.3	0.1	0.1	0.0	0.0	0
Pleasure Craft	159.4	79.2	878.0	2.5	2.4	0.1	0.1	0
Railroad Equipment	0.2	1.1	3.1	0.1	0.1	0.0	0.0	0
Recreational Equipment	236.4	21.7	1,230.2	7.4	6.8	0.0	0.1	0
Litchfield County Total	**725.5**	**414.3**	**7,912.1**	**48.4**	**45.0**	**0.6**	**1.0**	**0.1093**

Table G-6: 2020 Summer Weekday Non-Road Sector Emissions in Litchfield County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	25.56	269.40	256.29
Aircraft Exhaust	8.01	3.87	615.78
Airport Equipment	0.00	0.00	0.00
Commercial Equipment	222.28	204.51	6,326.13
Commercial Marine Vessels (CMV)	0.00	0.00	0.00
Construction and Mining Equipment	128.40	590.03	1,366.63
Industrial Equipment	72.23	411.80	2,068.58
Lawn and Garden Equipment (Com)	1,435.59	369.38	27,910.33
Lawn and Garden Equipment (Res)	405.72	53.23	7,247.09
Locomotives	16.31	342.31	44.58
Logging Equipment	2.74	4.32	27.62
Pleasure Craft	1,073.94	398.85	4,558.91
Railroad Equipment	1.53	7.37	21.70
Recreational Equipment	1,092.34	85.80	7,282.32
Litchfield County Total	**4,484.67**	**2,740.87**	**57,725.95**

Table G-7: 2020 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	0.5	5.2	4.9	0.4	0.3	0.0	0.0	0
Aircraft Exhaust	0.9	0.5	61.8	1.3	0.9	0.1	0.0	0.0660
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Commercial Equipment	32.4	34.0	934.1	2.9	2.8	0.0	0.1	0
Commercial Marine Vessels (CMV)	1.4	48.2	7.5	1.2	1.2	0.0	0.0	0.0001
Construction and Mining Equipment	23.3	108.2	241.6	10.1	9.7	0.1	0.3	0
Industrial Equipment	9.9	59.1	274.8	2.9	2.8	0.1	0.1	0
Lawn and Garden Equipment (Com)	117.1	26.7	1,841.5	9.9	9.1	0.0	0.1	0
Lawn and Garden Equipment (Res)	53.5	8.7	954.2	2.5	2.3	0.0	0.1	0
Locomotives	1.1	23.7	3.1	0.7	0.7	0.0	0.0	0
Logging Equipment	0.3	0.5	3.1	0.1	0.1	0.0	0.0	0
Pleasure Craft	148.1	107.0	927.1	2.9	2.7	0.1	0.2	0
Railroad Equipment	0.2	0.9	2.6	0.1	0.1	0.0	0.0	0
Recreational Equipment	68.0	6.7	492.5	2.2	2.0	0.0	0.0	0
Middlesex County Total	**456.6**	**429.5**	**5,748.8**	**37.1**	**34.8**	**0.5**	**0.9**	**0.0661**

Table G-8: 2020 Summer Weekday Non-Road Sector Emissions in Middlesex County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	4.93	52.37	49.81
Aircraft Exhaust	7.35	3.72	540.91
Airport Equipment	0.00	0.00	0.00
Commercial Equipment	208.99	199.26	6,160.46
Commercial Marine Vessels (CMV)	7.81	264.67	41.29
Construction and Mining Equipment	171.09	791.12	1,831.98
Industrial Equipment	61.00	351.35	1,763.04
Lawn and Garden Equipment (Com)	851.86	220.30	16,633.65
Lawn and Garden Equipment (Res)	325.59	45.55	6,194.94
Locomotives	8.70	182.53	23.77
Logging Equipment	1.98	3.14	20.07
Pleasure Craft	997.76	532.22	4,844.03
Railroad Equipment	1.30	6.31	18.57
Recreational Equipment	479.98	40.63	3,512.76
Middlesex County Total	**3,128.34**	**2,693.16**	**41,635.27**

Table G-9: 2020 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	0.8	8.2	7.6	0.6	0.5	0.0	0.0	0
Aircraft Exhaust	12.2	14.9	230.7	6.0	5.0	1.8	0.0	0.2027
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Commercial Equipment	169.3	178.5	4,887.6	15.4	14.7	0.2	0.4	0
Commercial Marine Vessels (CMV)	9.5	238.7	31.1	5.6	5.3	5.0	0.1	0.0007
Construction and Mining Equipment	101.1	470.0	1,048.4	43.8	42.2	0.4	1.1	0
Industrial Equipment	40.2	252.9	1,100.8	12.0	11.8	0.4	0.5	0
Lawn and Garden Equipment (Com)	498.5	114.3	7,833.2	42.1	38.9	0.2	0.5	0
Lawn and Garden Equipment (Res)	265.7	43.6	4,750.7	12.3	11.3	0.1	0.3	0
Locomotives	11.8	260.0	45.0	7.4	7.2	0.2	0.1	0
Logging Equipment	0.2	0.4	2.2	0.0	0.0	0.0	0.0	0
Pleasure Craft	278.5	278.1	1,982.5	6.5	6.1	0.2	0.4	0
Railroad Equipment	1.0	4.9	13.8	0.5	0.5	0.0	0.0	0
Recreational Equipment	46.1	8.0	785.8	1.4	1.3	0.0	0.0	0
New Haven County Total	**1,435.0**	**1,872.5**	**22,719.4**	**153.6**	**144.7**	**8.6**	**3.5**	**0.2033**

Table G-10: 2020 Summer Weekday Non-Road Sector Emissions in New Haven County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	7.76	82.40	78.38
Aircraft Exhaust	82.88	94.52	1,930.09
Airport Equipment	0.01	0.01	0.17
Commercial Equipment	1,094.87	1,043.90	32,274.27
Commercial Marine Vessels (CMV)	52.31	1,311.53	171.02
Construction and Mining Equipment	743.05	3,435.75	7,956.11
Industrial Equipment	247.61	1,492.51	7,061.82
Lawn and Garden Equipment (Com)	3,627.28	938.05	70,827.16
Lawn and Garden Equipment (Res)	1,622.83	227.04	30,876.93
Locomotives	90.45	2,000.17	345.91
Logging Equipment	1.38	2.19	13.99
Pleasure Craft	1,923.46	1,372.20	10,419.32
Railroad Equipment	6.78	32.99	97.16
Recreational Equipment	322.53	46.05	5,647.84
New Haven County Total	**9,823.19**	**12,079.33**	**167,700.17**

Table G-11: 2020 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	1.5	15.7	14.6	1.1	1.0	0.0	0.0	0
Aircraft Exhaust	7.7	12.6	124.0	3.2	2.5	1.3	0.0	0.1355
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Commercial Equipment	28.6	30.1	826.5	2.6	2.5	0.0	0.1	0
Commercial Marine Vessels (CMV)	10.5	334.8	51.5	9.0	8.7	2.0	0.2	0.0011
Construction and Mining Equipment	45.7	212.4	474.2	19.8	19.1	0.2	0.5	0
Industrial Equipment	11.2	72.3	304.2	3.4	3.3	0.1	0.1	0
Lawn and Garden Equipment (Com)	66.9	15.3	1,051.8	5.6	5.2	0.0	0.1	0
Lawn and Garden Equipment (Res)	86.9	14.1	1,550.8	4.0	3.7	0.0	0.1	0
Locomotives	2.6	55.1	7.2	1.7	1.6	0.0	0.0	0
Logging Equipment	0.3	0.4	2.5	0.1	0.1	0.0	0.0	0
Pleasure Craft	284.4	193.5	1,745.2	5.3	5.0	0.2	0.3	0
Railroad Equipment	0.3	1.5	4.3	0.2	0.2	0.0	0.0	0
Recreational Equipment	145.7	14.0	999.6	4.7	4.3	0.0	0.1	0
New London County Total	**692.2**	**972.0**	**7,156.4**	**60.6**	**57.1**	**3.9**	**1.5**	**0.1366**

Table G-12: 2020 Summer Weekday Non-Road Sector Emissions in New London County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	14.93	157.36	149.70
Aircraft Exhaust	50.13	79.68	854.51
Airport Equipment	0.01	0.01	0.08
Commercial Equipment	191.62	176.30	5,453.56
Commercial Marine Vessels (CMV)	57.55	1,839.40	283.07
Construction and Mining Equipment	337.96	1,552.97	3,597.00
Industrial Equipment	69.53	425.64	1,949.89
Lawn and Garden Equipment (Com)	489.05	125.83	9,507.91
Lawn and Garden Equipment (Res)	564.14	74.02	10,076.84
Locomotives	20.21	424.16	55.24
Logging Equipment	1.61	2.54	16.22
Pleasure Craft	1,984.53	963.02	9,112.32
Railroad Equipment	2.16	10.38	30.58
Recreational Equipment	1,050.18	84.79	7,129.66
New London County Total	**4,833.60**	**5,916.09**	**48,216.59**

Table G-13: 2020 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	1.1	11.6	10.7	0.8	0.8	0.0	0.0	0
Aircraft Exhaust	1.1	0.5	81.3	1.6	1.1	0.1	0.0	0.1030
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Commercial Equipment	11.7	12.4	337.8	1.1	1.0	0.0	0.0	0
Commercial Marine Vessels (CMV)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Construction and Mining Equipment	20.3	94.5	210.5	8.8	8.5	0.1	0.2	0
Industrial Equipment	3.5	26.8	90.7	1.1	1.1	0.0	0.0	0
Lawn and Garden Equipment (Com)	59.3	13.7	930.7	5.0	4.6	0.0	0.1	0
Lawn and Garden Equipment (Res)	40.9	6.8	731.2	1.9	1.7	0.0	0.0	0
Locomotives	0.7	14.0	1.8	0.4	0.4	0.0	0.0	0
Logging Equipment	0.3	0.5	2.8	0.1	0.1	0.0	0.0	0
Pleasure Craft	43.5	22.4	246.6	0.7	0.7	0.0	0.0	0
Railroad Equipment	0.2	0.8	2.3	0.1	0.1	0.0	0.0	0
Recreational Equipment	36.6	4.4	361.8	1.2	1.1	0.0	0.0	0
Tolland County Total	**219.2**	**208.3**	**3,008.2**	**22.7**	**21.1**	**0.3**	**0.5**	**0.1030**

Table G-14: 2020 Summer Weekday Non-Road Sector Emissions in Tolland County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	11.00	115.92	110.27
Aircraft Exhaust	7.15	3.10	547.45
Airport Equipment	0.00	0.00	0.00
Commercial Equipment	78.57	72.28	2,235.96
Commercial Marine Vessels (CMV)	0.00	0.00	0.00
Construction and Mining Equipment	150.30	690.64	1,599.67
Industrial Equipment	21.76	154.37	580.60
Lawn and Garden Equipment (Com)	433.83	111.63	8,434.44
Lawn and Garden Equipment (Res)	266.70	34.99	4,763.88
Locomotives	5.13	107.57	14.01
Logging Equipment	1.80	2.84	18.12
Pleasure Craft	302.05	112.18	1,282.19
Railroad Equipment	1.17	5.63	16.58
Recreational Equipment	262.76	25.85	2,596.49
Tolland County Total	**1,542.21**	**1,436.99**	**22,199.67**

Table G-15: 2020 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	1.7	18.2	16.9	1.2	1.2	0.0	0.0	0
Aircraft Exhaust	4.2	3.3	108.8	2.4	1.9	0.5	0.0	0.0955
Airport Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Commercial Equipment	12.9	13.6	371.1	1.2	1.1	0.0	0.0	0
Commercial Marine Vessels (CMV)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Construction and Mining Equipment	24.8	115.0	256.4	10.7	10.3	0.1	0.3	0
Industrial Equipment	5.3	33.6	145.9	1.6	1.6	0.1	0.1	0
Lawn and Garden Equipment (Com)	45.9	10.6	719.8	3.9	3.6	0.0	0.0	0
Lawn and Garden Equipment (Res)	34.7	5.7	617.5	1.6	1.5	0.0	0.0	0
Locomotives	1.4	29.8	3.9	0.9	0.9	0.0	0.0	0
Logging Equipment	0.3	0.6	3.4	0.1	0.1	0.0	0.0	0
Pleasure Craft	55.9	28.6	315.1	0.9	0.8	0.0	0.0	0
Railroad Equipment	0.1	0.7	1.8	0.1	0.1	0.0	0.0	0
Recreational Equipment	111.5	10.6	741.8	3.6	3.3	0.0	0.1	0
Windham County Total	298.7	270.2	3,302.3	28.2	26.4	0.8	0.6	0.0955

Table G-16: 2020 Summer Weekday Non-Road Sector Emissions in Windham County

Non-Road Sector	Summer Weekday Emissions [lb/day]		
	VOC	NO_X	CO
Agricultural Equipment	17.30	182.30	173.42
Aircraft Exhaust	52.12	36.78	1,360.78
Airport Equipment	0.00	0.00	0.00
Commercial Equipment	86.23	79.34	2,454.10
Commercial Marine Vessels (CMV)	0.00	0.00	0.00
Construction and Mining Equipment	182.98	840.80	1,947.47
Industrial Equipment	33.15	198.00	936.80
Lawn and Garden Equipment (Com)	335.23	86.26	6,517.52
Lawn and Garden Equipment (Res)	225.03	29.52	4,019.54
Locomotives	10.91	229.03	29.83
Logging Equipment	2.18	3.45	22.04
Pleasure Craft	385.95	143.34	1,638.36
Railroad Equipment	0.91	4.39	12.94
Recreational Equipment	803.80	63.98	5,296.46
Windham County Total	**2,135.81**	**1,897.18**	**24,409.26**

Table G-17: 2020 Recreational Marine Source Type Population MOVES Input

Source Classification Code	Description*	Fuel Type	Average HP Rating	Source Type ID	Connecticut Population in 2020
22-82-005-010	2-Str Outboard	Gasoline	2.08	2113	3,437
		Gasoline	4.43	2114	7,332
		Gasoline	9.07	2115	7,479
		Gasoline	14.83	2116	3,158
		Gasoline	22.76	2117	4,470
		Gasoline	32.01	2118	4,718
		Gasoline	45.58	2119	2,567
		Gasoline	63.58	2120	4,298
		Gasoline	85.05	2121	4,676
		Gasoline	127.8	2122	9,991
		Gasoline	212.3	2123	6,596
22-82-005-015	2-Str Personal Water Craft	Gasoline	2.01	2124	31
		Gasoline	4.96	2125	25
		Gasoline	9.12	2126	34
		Gasoline	25	2127	71
		Gasoline	29.59	2128	180
		Gasoline	46.59	2129	254
		Gasoline	61.51	2130	558
		Gasoline	88.85	2131	1,448
		Gasoline	130	2132	4,302
		Gasoline	212.7	2133	2,773
22-82-010-005	4-Str Inboard/Sterndrive	Gasoline	5	2134	80
		Gasoline	10	2135	34
		Gasoline	15	2136	23
		Gasoline	30.47	2137	211
		Gasoline	59.55	2138	261
		Gasoline	0	2139	322
		Gasoline	149.7	2140	3,630
		Gasoline	211.1	2141	8,368
		Gasoline	380.8	2142	2,332
		Gasoline	650	2143	855
22-82-020-005	Inboard/Sterndrive	Diesel	9.736	2144	36
		Diesel	14.92	2145	52
		Diesel	21.41	2146	119
		Diesel	31.2	2147	182
		Diesel	42.4	2148	34

Source Classification Code	Description*	Fuel Type	Average HP Rating	Source Type ID	Connecticut Population in 2020
		Diesel	56.19	2149	88
		Diesel	94.22	2150	41
		Diesel	144.9	2151	162
		Diesel	223.1	2152	389
		Diesel	387.1	2153	734
		Diesel	677	2154	279
		Diesel	876.5	2155	371
		Diesel	1154	2156	48
		Diesel	1369	2157	105
		Diesel	2294	2158	8
22-82-020-010	Outboard	Diesel	32.25	2159	0
All Recreational Marine Sources					87,162

*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 movesdb20240104.nrscc AS a, movesdb20240104.nrsourceusetype AS b,
2020_pei_9001_nonroad_annual_in.nrbaseyearequippopulation AS c, movesdb20240104.nrfueltype
WHERE c.StateID = 9 and a.SCC=b.scc and b.sourcetypeid = c.sourcetypeid and nrfueltype.fuelTypeID= a.fuelTypeID;

Table G-18: 2020 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	22-75-05-0011	0.1845
Fairfield	9795711	DXR	Danbury Muni	22-75-05-0011	411.2256
Fairfield	9795711	DXR	Danbury Muni	22-75-06-0011	2.3828
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-05-0011	196.4967
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-06-0011	2.5212
Fairfield	**All**				**612.81**
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-05-0011	6.1492
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-05-0011	122.3684
Hartford	12289311	CT05	KAMAN AEROSPACE CORP	22-75-05-0011	0.0615
Hartford	12306211	CT60	ULTIMATE	22-75-05-0011	0.0922
Hartford	9792311	HFD	Hartford-Brainard	22-75-05-0011	330.5178
Hartford	9792311	HFD	Hartford-Brainard	22-75-06-0011	0.4458
Hartford	9792411	BDL	Bradley Intl	22-75-05-0011	9.2238
Hartford	9792411	BDL	Bradley Intl	22-75-06-0011	0
Hartford	9792511	4B9	Simsbury	22-75-05-0011	98.2022
Hartford	9792611	4B8	Robertson Field	22-75-05-0011	153.7292
Hartford	9792611	4B8	Robertson Field	22-75-06-0011	0.5688
Hartford	**All**				**721.36**
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-05-0011	99.9240

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-05-0011	0.7686
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-05-0011	0.6149
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-05-0011	0.4612
Litchfield	12289011	CT01	WHELAN FARMS	22-75-05-0011	0.6610
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-05-0011	0.1537
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-06-0011	0.0307
Litchfield	**All**				**102.61**
Middlesex	11146011	42B	GOODSPEED	22-75-05-0011	47.8866
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-05-0011	0.3843
Middlesex	9790011	SNC	Chester	22-75-05-0011	69.1781
Middlesex	9790011	SNC	Chester	22-75-06-0011	14.5274
Middlesex	**All**				**131.98**
New Haven	11160811	4C3	HUMMINGBIRD	22-75-05-0011	0
New Haven	12470011	N41	WATERBURY	22-75-05-0011	116.0655
New Haven	9785011	OXC	Waterbury-Oxford	22-75-05-0011	107.6104
New Haven	9785011	OXC	Waterbury-Oxford	22-75-06-0011	3.3513
New Haven	9785211	MMK	Meriden Markham Muni	22-75-05-0011	115.2969
New Haven	9785211	MMK	Meriden Markham Muni	22-75-06-0011	0.1845
New Haven	9785311	HVN	Tweed-New Haven	22-75-05-0011	176.7886

County	EIS Facility ID	FAA Location ID	Site Name	SCC	Annual Emissions Lead [lb/yr]
New Haven	9785311	HVN	Tweed-New Haven	22-75-06-0011	2.1061
New Haven	**All**				**521.40**
New London	11847311	5CT7	MILE CREEK	22-75-05-0011	1.5373
New London	12304811	CT43	SPRUCE	22-75-05-0011	0.1537
New London	16081511	69CT	THE SHORE	22-75-05-0011	0.0922
New London	9810511	GON	Groton-New London	22-75-05-0011	267.6426
New London	9810511	GON	Groton-New London	22-75-06-0011	1.5219
New London	**All**				**270.95**
Tolland	11649811	7B9	ELLINGTON	22-75-05-0011	205.9972
Tolland	**All**				**206.00**
Windham	11305211	C44	TOUTANT	22-75-05-0011	1.5373
Windham	9808111	IJD	Windham	22-75-05-0011	96.8494
Windham	9808111	IJD	Windham	22-75-06-0011	0.1076
Windham	9808211	LZD	Danielson	22-75-05-0011	92.2375
Windham	9808211	LZD	Danielson	22-75-06-0011	0.2767
Windham	**All**				**191.01**
State Total	**All**				**2,758.12**

*The EPA estimated 2,527 lb/yr (1.26 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 at specific airports, results in an estimated statewide total of 4,841 lb/yr (2.42 Tons per Year) for 2020 airport emissions.

Table G-19: Annual Emissions of Aircraft

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Fairfield	11014011	0CT7	22-75-06-0012	0.01358	0.01047	0.04875	0.00814	0.00795	0.002194
Fairfield	11315111	CT12	22-75-06-0012	0.01811	0.01396	0.06500	0.01086	0.01060	0.002925
Fairfield	11517611	0CT8	22-75-06-0012	0.00956	0.00737	0.03431	0.00573	0.00559	0.001544
Fairfield	11847111	5CT4	22-75-06-0012	0.00553	0.00426	0.01986	0.00332	0.00324	0.000894
Fairfield	12305511	CT52	22-75-05-0011	0.00090	0.00039	0.07208	0.00142	0.00098	0.000060
Fairfield	9795711	DXR	22-65-00-8005	0.00057	0.00064	0.00964	0.00003	0.00003	0.000004
Fairfield	9795711	DXR	22-70-00-8005	0.00005	0.00008	0.00004	0.00001	0.00000	0.000000
Fairfield	9795711	DXR	22-75-00-1000	0.30967	0.63650	0.73991	0.03970	0.03875	0.060108
Fairfield	9795711	DXR	22-75-05-0011	2.01259	0.86938	160.68720	3.16586	2.18445	0.133750
Fairfield	9795711	DXR	22-75-05-0012	2.90141	1.34408	39.76659	0.98206	0.95849	0.305598
Fairfield	9795711	DXR	22-75-06-0011	0.01315	0.01225	2.18008	0.04676	0.03226	0.001163
Fairfield	9795711	DXR	22-75-06-0012	0.30177	0.23261	1.08333	0.18100	0.17666	0.048746

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Fairfield	9795711	DXR	22-75-07-0000	0.00023	0.00052	0.00073	0.00010	0.00010	0.000113
Fairfield	9795811	BDR	22-75-00-1000	0.69540	1.42933	1.66155	0.08916	0.08702	0.134979
Fairfield	9795811	BDR	22-75-02-0000	0.01233	0.03715	0.04477	0.00215	0.00210	0.003564
Fairfield	9795811	BDR	22-75-05-0011	0.96168	0.41542	76.78147	1.51275	1.04380	0.063910
Fairfield	9795811	BDR	22-75-05-0012	4.82814	2.26703	67.06296	1.65749	1.61771	0.515223
Fairfield	9795811	BDR	22-75-06-0011	0.01391	0.01296	2.30666	0.04947	0.03414	0.001230
Fairfield	9795811	BDR	22-75-06-0012	0.53714	0.41404	1.92832	0.32218	0.31445	0.086768
Fairfield	**All**	**All**	**All**	**12.64**	**7.71**	**354.49**	**8.08**	**6.52**	**1.36**
Hartford	11013811	0CT3	22-75-06-0012	0.01660	0.01279	0.05958	0.00995	0.00972	0.002681
Hartford	11285611	9B8	22-75-05-0011	0.03009	0.01300	2.40280	0.04734	0.03266	0.002000
Hartford	11285611	9B8	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Hartford	11517511	0CT5	22-75-06-0012	0.03319	0.02559	0.11917	0.01991	0.01943	0.005362
Hartford	11517711	0CT9	22-75-06-0012	0.28316	0.21826	1.01652	0.16984	0.16576	0.045740

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	11649711	7B6	22-75-05-0011	0.59889	0.25870	47.81572	0.94207	0.65003	0.039800
Hartford	11649711	7B6	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Hartford	12289211	CT03	22-75-06-0012	0.00302	0.00233	0.01083	0.00181	0.00177	0.000487
Hartford	12289311	CT05	22-75-00-1000	0.26077	0.53600	0.62308	0.03343	0.03263	0.050617
Hartford	12289311	CT05	22-75-05-0011	0.00030	0.00013	0.02403	0.00047	0.00033	0.000020
Hartford	12306211	CT60	22-75-05-0011	0.00045	0.00020	0.03604	0.00071	0.00049	0.000030
Hartford	12306511	CT71	22-75-05-0012	0.00689	0.00324	0.09577	0.00237	0.00231	0.000736
Hartford	12306811	CT75	22-75-06-0012	0.00503	0.00388	0.01806	0.00302	0.00294	0.000812
Hartford	12307711	CT88	22-75-05-0012	0.00172	0.00081	0.02394	0.00059	0.00058	0.000184
Hartford	9792311	HFD	22-75-00-1000	1.86887	3.84132	4.46542	0.23961	0.23386	0.362757
Hartford	9792311	HFD	22-75-05-0011	1.61760	0.69875	129.15050	2.54453	1.75572	0.107500
Hartford	9792311	HFD	22-75-05-0012	0.86186	0.40468	11.97125	0.29588	0.28877	0.091971

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	9792311	HFD	22-75-06-0011	0.00246	0.00229	0.40789	0.00875	0.00604	0.000218
Hartford	9792311	HFD	22-75-06-0012	0.09455	0.07288	0.33944	0.05671	0.05535	0.015274
Hartford	9792411	BDL	22-65-00-8005	1.93597	2.05687	34.81013	0.12425	0.11431	0.018116
Hartford	9792411	BDL	22-70-00-8005	0.90540	2.06048	0.79873	0.11042	0.10694	0.004229
Hartford	9792411	BDL	22-75-00-1000	7.74170	15.91243	18.49775	0.99256	0.96874	1.502701
Hartford	9792411	BDL	22-75-02-0000	61.18512	111.69960	159.81700	1.10823	1.10823	13.365740
Hartford	9792411	BDL	22-75-05-0011	0.04514	0.01950	3.60420	0.07101	0.04900	0.003000
Hartford	9792411	BDL	22-75-05-0012	1.70486	0.77798	22.50098	0.55028	0.53709	0.178196
Hartford	9792411	BDL	22-75-06-0011	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Hartford	9792411	BDL	22-75-06-0012	3.04174	2.32319	8.74671	1.01793	0.99373	0.421491
Hartford	9792411	BDL	22-75-07-0000	1.09600	3.42992	3.79828	0.42413	0.42413	0.457186
Hartford	9792511	4B9	22-75-05-0011	0.48061	0.20761	38.37272	0.75602	0.52165	0.031940

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Hartford	9792511	4B9	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Hartford	9792611	4B8	22-75-00-1000	0.16298	0.33500	0.38943	0.02090	0.02039	0.031636
Hartford	9792611	4B8	22-75-05-0011	0.75237	0.32500	60.07000	1.18350	0.81662	0.050000
Hartford	9792611	4B8	22-75-05-0012	0.34474	0.16187	4.78850	0.11835	0.11551	0.036788
Hartford	9792611	4B8	22-75-06-0011	0.00314	0.00292	0.52041	0.01116	0.00770	0.000278
Hartford	9792611	4B8	22-75-06-0012	0.11970	0.09227	0.42972	0.07180	0.07007	0.019336
Hartford	**All**	**All**	**All**	**85.20**	**145.50**	**555.72**	**10.94**	**9.11**	**16.85**
Litchfield	10946911	04CT	22-75-00-1000	0.02173	0.04467	0.05192	0.00279	0.00272	0.004218
Litchfield	10995811	11N	22-75-05-0011	0.48904	0.21125	39.04550	0.76928	0.53080	0.032500
Litchfield	10995811	11N	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Litchfield	11315811	CT24	22-75-05-0011	0.00376	0.00163	0.30035	0.00592	0.00408	0.000250
Litchfield	11316211	CT42	22-75-05-0011	0.00301	0.00130	0.24028	0.00473	0.00327	0.000200
Litchfield	11517211	0CT0	22-75-06-0012	0.01056	0.00814	0.03792	0.00633	0.00618	0.001706

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Litchfield	11778911	6Y2	22-75-05-0011	0.00226	0.00098	0.18021	0.00355	0.00245	0.000150
Litchfield	11778911	6Y2	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Litchfield	12289011	CT01	22-75-05-0011	0.00324	0.00140	0.25830	0.00509	0.00351	0.000215
Litchfield	12289011	CT01	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Litchfield	12306111	CT59	22-75-05-0011	0.00075	0.00033	0.06007	0.00118	0.00082	0.000050
Litchfield	12306111	CT59	22-75-06-0011	0.00017	0.00016	0.02813	0.00060	0.00042	0.000015
Litchfield	12306111	CT59	22-75-06-0012	0.00050	0.00039	0.00181	0.00030	0.00029	0.000081
Litchfield	**All**	**All**	**All**	**0.54**	**0.27**	**40.20**	**0.80**	**0.55**	**0.04**
Middlesex	11146011	42B	22-75-05-0011	0.23436	0.10124	18.71180	0.36866	0.25438	0.015575
Middlesex	11146011	42B	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Middlesex	12291111	CT39	22-75-05-0011	0.00188	0.00081	0.15018	0.00296	0.00204	0.000125
Middlesex	12291111	CT39	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Middlesex	12308611	CT97	22-75-06-0012	0.00352	0.00271	0.01264	0.00211	0.00206	0.000569

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Middlesex	12308711	CT98	22-75-06-0012	0.00855	0.00659	0.03069	0.00513	0.00501	0.001381
Middlesex	9790011	SNC	22-75-05-0011	0.33857	0.14625	27.03150	0.53258	0.36748	0.022500
Middlesex	9790011	SNC	22-75-05-0012	0.17237	0.08094	2.39425	0.05918	0.05775	0.018394
Middlesex	9790011	SNC	22-75-06-0011	0.08017	0.07466	13.29142	0.28507	0.19670	0.007088
Middlesex	9790011	SNC	22-75-06-0012	0.05281	0.04071	0.18958	0.03167	0.03091	0.008531
Middlesex	**All**	**All**	**All**	**0.89**	**0.45**	**61.81**	**1.29**	**0.92**	**0.07**
New Haven	11019011	1CT2	22-75-06-0012	0.12976	0.10002	0.46583	0.07783	0.07596	0.020961
New Haven	11019111	1CT3	22-75-06-0012	0.01157	0.00892	0.04153	0.00694	0.00677	0.001869
New Haven	11160811	4C3	22-75-05-0011	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
New Haven	11160811	4C3	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
New Haven	12308411	CT95	22-75-06-0012	0.19917	0.15352	0.71500	0.11946	0.11659	0.032172
New Haven	12470011	N41	22-75-05-0011	0.56804	0.24538	45.35285	0.89354	0.61654	0.037750
New Haven	12470011	N41	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New Haven	9785011	OXC	22-65-00-8005	0.00106	0.00119	0.01791	0.00005	0.00005	0.000008
New Haven	9785011	OXC	22-70-00-8005	0.00009	0.00015	0.00007	0.00001	0.00001	0.000000
New Haven	9785011	OXC	22-75-00-1000	2.97716	6.11931	7.11352	0.38170	0.37254	0.577881
New Haven	9785011	OXC	22-75-05-0011	0.52666	0.22750	42.04900	0.82845	0.57163	0.035000
New Haven	9785011	OXC	22-75-05-0012	2.71073	1.23859	36.65229	0.90439	0.88269	0.281742
New Haven	9785011	OXC	22-75-06-0011	0.01849	0.01722	3.06617	0.06576	0.04538	0.001635
New Haven	9785011	OXC	22-75-06-0012	0.70915	0.54663	2.54582	0.42535	0.41514	0.114553
New Haven	9785011	OXC	22-75-07-0000	0.00042	0.00096	0.00135	0.00019	0.00019	0.000210
New Haven	9785211	MMK	22-75-00-1000	0.13582	0.27917	0.32452	0.01741	0.01700	0.026363
New Haven	9785211	MMK	22-75-05-0011	0.56428	0.24375	45.05250	0.88763	0.61246	0.037500
New Haven	9785211	MMK	22-75-05-0012	0.25856	0.12140	3.59138	0.08876	0.08663	0.027591
New Haven	9785211	MMK	22-75-06-0011	0.00102	0.00095	0.16878	0.00362	0.00250	0.000090

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New Haven	9785211	MMK	22-75-06-0012	0.03923	0.03024	0.14083	0.02353	0.02297	0.006337
New Haven	9785311	HVN	22-65-00-8005	0.00041	0.00046	0.00689	0.00002	0.00002	0.000003
New Haven	9785311	HVN	22-70-00-8005	0.00003	0.00006	0.00003	0.00000	0.00000	0.000000
New Haven	9785311	HVN	22-75-00-1000	0.71169	1.46283	1.70050	0.09125	0.08906	0.138143
New Haven	9785311	HVN	22-75-02-0000	1.08795	3.27866	3.95078	0.19009	0.18553	0.314523
New Haven	9785311	HVN	22-75-05-0011	0.86523	0.37375	69.08050	1.36103	0.93911	0.057500
New Haven	9785311	HVN	22-75-05-0012	0.78516	0.35555	10.52250	0.25950	0.25327	0.080902
New Haven	9785311	HVN	22-75-06-0011	0.01162	0.01082	1.92691	0.04133	0.02852	0.001028
New Haven	9785311	HVN	22-75-06-0012	0.44561	0.34348	1.59971	0.26728	0.26086	0.071982
New Haven	9785311	HVN	22-75-07-0000	0.00016	0.00037	0.00052	0.00007	0.00007	0.000081
New Haven	**All**	**All**	**All**	**12.76**	**15.16**	**276.09**	**6.94**	**5.60**	**1.87**
New London	11847311	5CT7	22-75-05-0011	0.00752	0.00325	0.60070	0.01184	0.00817	0.000500
New London	12304811	CT43	22-75-05-0011	0.00075	0.00033	0.06007	0.00118	0.00082	0.000050

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
New London	12308211	CT93	22-75-06-0012	0.20973	0.16166	0.75291	0.12579	0.12278	0.033878
New London	16081511	69CT	22-75-05-0011	0.00045	0.00020	0.03604	0.00071	0.00049	0.000030
New London	9810511	GON	22-65-00-8005	0.00048	0.00053	0.00813	0.00002	0.00002	0.000004
New London	9810511	GON	22-70-00-8005	0.00005	0.00008	0.00003	0.00000	0.00000	0.000000
New London	9810511	GON	22-75-00-1000	5.62835	11.56861	13.44819	0.72161	0.70429	1.092490
New London	9810511	GON	22-75-05-0011	1.30988	0.56583	104.58190	2.06047	1.42173	0.087050
New London	9810511	GON	22-75-05-0012	0.18635	0.06937	1.95638	0.04755	0.04641	0.015629
New London	9810511	GON	22-75-06-0011	0.00840	0.00782	1.39244	0.02986	0.02061	0.000743
New London	9810511	GON	22-75-06-0012	0.32188	0.24812	1.15555	0.19307	0.18843	0.051996
New London	9810511	GON	22-75-07-0000	0.00018	0.00048	0.00155	0.00009	0.00009	0.000106
New London	**All**	**All**	**All**	**7.67**	**12.63**	**123.99**	**3.19**	**2.51**	**1.28**
Tolland	11649811	7B9	22-75-05-0011	1.00818	0.43550	80.49380	1.58589	1.09426	0.067000
Tolland	11649811	7B9	22-75-05-0012	0.05516	0.02590	0.76616	0.01894	0.01848	0.005886

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Tolland	**All**	**All**	**All**	**1.06**	**0.46**	**81.26**	**1.60**	**1.11**	**0.07**
Windham	11305211	C44	22-75-05-0011	0.00752	0.00325	0.60070	0.01184	0.00817	0.000500
Windham	11305211	C44	22-75-05-0012	0.00000	0.00000	0.00000	0.00000	0.00000	0.000000
Windham	11517411	0CT2	22-75-06-0012	0.04778	0.03683	0.17153	0.02866	0.02797	0.007718
Windham	9808111	IJD	22-75-00-1000	0.54328	1.11666	1.29809	0.06965	0.06798	0.105453
Windham	9808111	IJD	22-75-05-0011	0.47399	0.20475	37.84410	0.74561	0.51447	0.031500
Windham	9808111	IJD	22-75-05-0012	0.20685	0.09712	2.87310	0.07101	0.06931	0.022073
Windham	9808111	IJD	22-75-06-0011	0.00059	0.00055	0.09846	0.00211	0.00146	0.000053
Windham	9808111	IJD	22-75-06-0012	0.02213	0.01706	0.07944	0.01327	0.01295	0.003575
Windham	9808211	LZD	22-75-00-1000	0.32597	0.67000	0.77885	0.04179	0.04079	0.063272
Windham	9808211	LZD	22-75-05-0011	0.45142	0.19500	36.04200	0.71010	0.48997	0.030000
Windham	9808211	LZD	22-75-05-0012	2.06846	0.97124	28.73101	0.71010	0.69306	0.220731
Windham	9808211	LZD	22-75-06-0011	0.00153	0.00142	0.25317	0.00543	0.00375	0.000135

County	EIS	FAA	SCC	Annual Emissions [TPY]					
	Facility ID	Location ID		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2
Windham	9808211	LZD	22-75-06-0012	0.00905	0.00698	0.03250	0.00543	0.00530	0.001462
Windham	**All**	**All**	**All**	**4.16**	**3.32**	**108.80**	**2.41**	**1.94**	**0.49**
State Total	**All**	**All**	**All**	**124.92**	**185.50**	**1602.38**	**35.25**	**28.26**	**22.03**

Table G-20: 2020 Aircraft Summer Season Allocation Factors

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Fairfield	11014011	0CT7	BRIDGEPORT HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.133	2020 Survey
Fairfield	11315111	CT12	MEDICAL CENTER	22-75-06-0012	Air Taxi Turbine	0.150	2020 Survey
Fairfield	11517611	0CT8	DANBURY HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.263	2020 Survey
Fairfield	11847111	5CT4	NORWALK HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.180	Survey
Fairfield	12305511	CT52	FLYING RIDGE AIRSTRIP	22-75-05-0011	General Aviation Piston	0.250	2020 Survey
Fairfield	9795711	DXR	Danbury Municipal	22-65-00-8005	4-Stroke Airport Ground Support Equipment	0.370	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-70-00-8005	Airport Ground Support Equipment	0.370	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-00-1000	Military Aircraft Total	0.272	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-05-0011	General Aviation Piston	0.327	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-05-0012	General Aviation Turbine	0.327	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-06-0011	Air Taxi Piston	0.370	ATADS
Fairfield	9795711	DXR	Danbury Municipal	22-75-06-0012	Air Taxi Turbine	0.370	ATADS

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Fairfield	9795711	DXR	Danbury Municipal	22-75-07-0000	Aircraft Auxiliary Power Units Total	0.370	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-00-1000	Military Aircraft Total	0.051	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-02-0000	Commercial Aircraft Total: All Types	1	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-05-0011	General Aviation Piston	0.308	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-05-0012	General Aviation Turbine	0.308	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-06-0011	Air Taxi Piston	0.332	ATADS
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-06-0012	Air Taxi Turbine	0.332	ATADS
Hartford	11013811	0CT3	N B G H	22-75-06-0012	Air Taxi Turbine	0.000	Survey
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-05-0011	General Aviation Piston	0.650	Survey
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-05-0012	General Aviation Turbine	0.650	Survey
Hartford	11517511	0CT5	ST FRANCIS HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.190	Survey
Hartford	11517711	0CT9	HARTFORD HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.250	2020 Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-05-0011	General Aviation Piston	0.500	Survey
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-05-0012	General Aviation Turbine	0.500	Survey
Hartford	12289211	CT03	BRISTOL HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.167	2020 Survey
Hartford	12289311	CT05	KAMAN AEROSPACE CORP	22-75-00-1000	Military Aircraft Total	0.429	2020 Survey
Hartford	12289311	CT05	KAMAN AEROSPACE CORP	22-75-05-0011	General Aviation Piston	0.429	Estimate
Hartford	12306211	CT60	ULTIMATE	22-75-05-0011	General Aviation Piston	1	2020 Survey
Hartford	12306511	CT71	OTIS HELISTOP DIVISION OF UTC	22-75-05-0012	General Aviation Turbine	0.463	2020 Survey
Hartford	12306811	CT75	HURLBRINK	22-75-06-0012	Air Taxi Turbine	0.100	2020 Survey
Hartford	12307711	CT88	RENTSCHLER	22-75-05-0012	General Aviation Turbine	1	2020 Survey
Hartford	9792311	HFD	Hartford-Brainard	22-75-00-1000	Military Aircraft Total	0.412	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-05-0011	General Aviation Piston	0.318	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-05-0012	General Aviation Turbine	0.318	ATADS

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Hartford	9792311	HFD	Hartford-Brainard	22-75-06-0011	Air Taxi Piston	0.419	ATADS
Hartford	9792311	HFD	Hartford-Brainard	22-75-06-0012	Air Taxi Turbine	0.419	ATADS
Hartford	9792411	BDL	Bradley Intl	22-65-00-8005	4-Stroke Airport Ground Support Equipment	0.222	ATADS
Hartford	9792411	BDL	Bradley Intl	22-70-00-8005	Airport Ground Support Equipment	0.222	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-00-1000	Military Aircraft Total	0.331	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-02-0000	Commercial Aircraft Total: All Types	0.218	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-05-0011	General Aviation Piston	0.281	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-05-0012	General Aviation Turbine	0.281	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-06-0011	Air Taxi Piston	0.237	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-06-0012	Air Taxi Turbine	0.237	ATADS
Hartford	9792411	BDL	Bradley Intl	22-75-07-0000	Aircraft Auxiliary Power Units Total	0.222	ATADS
Hartford	9792511	4B9	Simsbury	22-75-05-0011	General Aviation Piston	0.370	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Hartford	9792511	4B9	Simsbury	22-75-05-0012	General Aviation Turbine	0.370	Survey
Hartford	9792611	4B8	Robertson Field	22-75-00-1000	Military Aircraft Total	0.250	Survey
Hartford	9792611	4B8	Robertson Field	22-75-05-0011	General Aviation Piston	0.310	Survey
Hartford	9792611	4B8	Robertson Field	22-75-05-0012	General Aviation Turbine	0.250	Survey
Hartford	9792611	4B8	Robertson Field	22-75-06-0011	Air Taxi Piston	0.250	Survey
Hartford	9792611	4B8	Robertson Field	22-75-06-0012	Air Taxi Turbine	0.250	Survey
Litchfield	10946911	04CT	SHINGLE MILL	22-75-00-1000	Military Aircraft Total	0.500	Error mitigation
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-05-0011	General Aviation Piston	0.710	Survey
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-05-0012	General Aviation Turbine	0.700	Survey
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-05-0011	General Aviation Piston	0.250	2020 Survey
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-05-0011	General Aviation Piston	0.900	2020 Survey
Litchfield	11517211	0CT0	SHARON HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.290	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-05-0011	General Aviation Piston	0.650	Survey
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-05-0012	General Aviation Turbine	0.650	Survey
Litchfield	12289011	CT01	WHELAN FARMS	22-75-05-0011	General Aviation Piston	0.380	Survey
Litchfield	12289011	CT01	WHELAN FARMS	22-75-05-0012	General Aviation Turbine	0.380	Survey
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-05-0011	General Aviation Piston	0.500	2020 Survey
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-06-0011	Air Taxi Piston	1	2020 Survey
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-06-0012	Air Taxi Turbine	1	2020 Survey
Middlesex	11146011	42B	GOODSPEED	22-75-05-0011	General Aviation Piston	0.400	Survey
Middlesex	11146011	42B	GOODSPEED	22-75-05-0012	General Aviation Turbine	0.400	Survey
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-05-0011	General Aviation Piston	0.500	Survey
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-05-0012	General Aviation Turbine	0.500	Survey
Middlesex	12308611	CT97	SHORELINE CLINIC	22-75-06-0012	Air Taxi Turbine	0.333	2020 Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
Middlesex	12308711	CT98	Nonfacility Operations Middlesex County	22-75-06-0012	Air Taxi Turbine	0.333	2020 Survey
Middlesex	9790011	SNC	Chester	22-75-05-0011	General Aviation Piston	0.410	Survey
Middlesex	9790011	SNC	Chester	22-75-05-0012	General Aviation Turbine	0.300	Survey
Middlesex	9790011	SNC	Chester	22-75-06-0011	Air Taxi Piston	0.410	Survey
Middlesex	9790011	SNC	Chester	22-75-06-0012	Air Taxi Turbine	0.300	Survey
New Haven	11019011	1CT2	YALE NEW HAVEN HOSPITAL heliport	22-75-06-0012	Air Taxi Turbine	0.257	2020 Survey
New Haven	11019111	1CT3	ST MARY'S	22-75-06-0012	Air Taxi Turbine	0.470	Survey
New Haven	11160811	4C3	HUMMINGBIRD	22-75-05-0011	General Aviation Piston	0.280	Survey
New Haven	11160811	4C3	HUMMINGBIRD	22-75-05-0012	General Aviation Turbine	0.280	Survey
New Haven	12308411	CT95	MERIDEN-WALLINGFORD HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.360	Survey
New Haven	12470011	N41	WATERBURY	22-75-05-0011	General Aviation Piston	0.430	Survey
New Haven	12470011	N41	WATERBURY	22-75-05-0012	General Aviation Turbine	0.400	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
New Haven	9785011	OXC	Waterbury-Oxford	22-65-00-8005	4-Stroke Airport Ground Support Equipment	0.317	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-70-00-8005	Airport Ground Support Equipment	0.317	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-00-1000	Military Aircraft Total	0.253	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-05-0011	General Aviation Piston	0.305	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-05-0012	General Aviation Turbine	0.305	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-06-0011	Air Taxi Piston	0.317	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-06-0012	Air Taxi Turbine	0.317	ATADS
New Haven	9785011	OXC	Waterbury-Oxford	22-75-07-0000	Aircraft Auxiliary Power Units Total	0.317	ATADS
New Haven	9785211	MMK	Meriden Markham Muni	22-75-00-1000	Military Aircraft Total	0.250	Survey
New Haven	9785211	MMK	Meriden Markham Muni	22-75-05-0011	General Aviation Piston	0.260	Survey
New Haven	9785211	MMK	Meriden Markham Muni	22-75-05-0012	General Aviation Turbine	0.260	Survey
New Haven	9785211	MMK	Meriden Markham Muni	22-75-06-0011	Air Taxi Piston	0.260	Survey

County	EIS Facility ID	FAA Location ID	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
New Haven	9785211	MMK	Meriden Markham Muni	22-75-06-0012	Air Taxi Turbine	0.260	Survey
New Haven	9785311	HVN	Tweed-New Haven	22-65-00-8005	4-Stroke Airport Ground Support Equipment	0.311	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-70-00-8005	Airport Ground Support Equipment	0.311	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-00-1000	Military Aircraft Total	0.302	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-02-0000	Commercial Aircraft Total: All Types	0.312	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-05-0011	General Aviation Piston	0.323	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-05-0012	General Aviation Turbine	0.323	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-06-0011	Air Taxi Piston	0.311	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-06-0012	Air Taxi Turbine	0.311	ATADS
New Haven	9785311	HVN	Tweed-New Haven	22-75-07-0000	Aircraft Auxiliary Power Units Total	0.311	ATADS
New London	11847311	5CT7	MILE CREEK	22-75-05-0011	General Aviation Piston	0.500	2020 Survey
New London	12304811	CT43	SPRUCE	22-75-05-0011	General Aviation Piston	0.000	2020 Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
New London	12308211	CT93	BACKUS HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.416	2020 Survey
New London	16081511	69CT	THE SHORE	22-75-05-0011	General Aviation Piston	1	2020 Survey
New London	9810511	GON	Groton-New London	22-65-00-8005	4-Stroke Airport Ground Support Equipment	0.431	ATADS
New London	9810511	GON	Groton-New London	22-70-00-8005	Airport Ground Support Equipment	0.431	ATADS
New London	9810511	GON	Groton-New London	22-75-00-1000	Military Aircraft Total	0.284	ATADS
New London	9810511	GON	Groton-New London	22-75-05-0011	General Aviation Piston	0.317	ATADS
New London	9810511	GON	Groton-New London	22-75-05-0012	General Aviation Turbine	0.317	ATADS
New London	9810511	GON	Groton-New London	22-75-06-0011	Air Taxi Piston	0.431	ATADS
New London	9810511	GON	Groton-New London	22-75-06-0012	Air Taxi Turbine	0.431	ATADS
New London	9810511	GON	Groton-New London	22-75-07-0000	Aircraft Auxiliary Power Units Total	0.431	ATADS
Tolland	11649811	7B9	ELLINGTON	22-75-05-0011	General Aviation Piston	0.310	Survey
Tolland	11649811	7B9	ELLINGTON	22-75-05-0012	General Aviation Turbine	0.300	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Windham	11305211	C44	TOUTANT	22-75-05-0011	General Aviation Piston	0.400	Survey
Windham	11305211	C44	TOUTANT	22-75-05-0012	General Aviation Turbine	0.400	Survey
Windham	11517411	0CT2	WINDHAM HOSPITAL	22-75-06-0012	Air Taxi Turbine	0.260	Survey
Windham	9808111	IJD	Windham	22-75-00-1000	Military Aircraft Total	0.250	Survey
Windham	9808111	IJD	Windham	22-75-05-0011	General Aviation Piston	0.400	Survey
Windham	9808111	IJD	Windham	22-75-05-0012	General Aviation Turbine	0.250	Survey
Windham	9808111	IJD	Windham	22-75-06-0011	Air Taxi Piston	0.250	Survey
Windham	9808111	IJD	Windham	22-75-06-0012	Air Taxi Turbine	0.250	Survey
Windham	9808211	LZD	Danielson	22-75-00-1000	Military Aircraft Total	0.700	Survey
Windham	9808211	LZD	Danielson	22-75-05-0011	General Aviation Piston	0.700	Survey
Windham	9808211	LZD	Danielson	22-75-05-0012	General Aviation Turbine	0.700	Survey
Windham	9808211	LZD	Danielson	22-75-06-0011	Air Taxi Piston	0.700	Survey

County	EIS	FAA	Airport EIS Facility Name	SCC	SCC Description	Summer Season Allocation Factor	Data Source
	Facility ID	Location ID					
Windham	9808211	LZD	Danielson	22-75-06-0012	Air Taxi Turbine	0.700	Survey

Table G-21: 2020 Summer Day Emissions of Aircraft

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Fairfield	11014011	0CT7	BRIDGEPORT HOSPITAL	22-75-050-012	0.038	0.018	0.533
Fairfield	11315111	CT12	MEDICAL CENTER	22-75-050-012	0.059	0.046	0.212
Fairfield	11517611	0CT8	DANBURY HOSPITAL	22-75-050-012	0.055	0.042	0.196
Fairfield	11847111	5CT4	NORWALK HOSPITAL	22-75-050-012	0.022	0.017	0.078
Fairfield	12305511	CT52	FLYING RIDGE AIRSTRIP	22-75-050-011	0.005	0.002	0.392
Fairfield	9795711	DXR	Danbury Muni	22-65-008-005	0.005	0.005	0.078
Fairfield	9795711	DXR	Danbury Muni	22-70-008-005	0.000	0.001	0.000
Fairfield	9795711	DXR	Danbury Muni	22-75-001-000	1.831	3.763	4.374
Fairfield	9795711	DXR	Danbury Muni	22-75-050-011	14.327	6.189	1143.921
Fairfield	9795711	DXR	Danbury Muni	22-75-050-012	20.655	9.568	283.096
Fairfield	9795711	DXR	Danbury Muni	22-75-060-011	0.106	0.098	17.525
Fairfield	9795711	DXR	Danbury Muni	22-75-060-012	2.426	1.870	8.709

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Fairfield	9795711	DXR	Danbury Muni	22-75-070-000	0.002	0.004	0.006
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-001-000	0.765	1.572	1.827
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-011	6.429	2.777	513.300
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-012	32.277	15.156	448.330
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-011	0.100	0.094	16.661
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-012	3.880	2.991	13.928
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-001-000	0.765	1.572	1.827
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-011	6.429	2.777	513.300
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-050-012	32.277	15.156	448.330
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-011	0.100	0.094	16.661
Fairfield	9795811	BDR	Igor I Sikorsky Memorial	22-75-060-012	3.880	2.991	13.928
Fairfield	**All**	**All**	**All**	**All**	**83.250**	**45.031**	**2,453.747**

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Hartford	11013811	0CT3	N B G H	22-75-050-012	0.000	0.000	0.000
Hartford	11285611	9B8	SALMON RIVER AIRFIELD	22-75-050-011	0.425	0.184	33.953
Hartford	11517511	0CT5	ST FRANCIS HOSPITAL	22-75-050-012	0.137	0.106	0.492
Hartford	11517711	0CT9	HARTFORD HOSPITAL	22-75-050-012	1.536	1.184	5.516
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-011	6.510	2.812	519.736
Hartford	11649711	7B6	SKYLARK AIRPARK	22-75-050-012	0.000	0.000	0.000
Hartford	12289211	CT03	BRISTOL HOSPITAL	22-75-050-012	0.011	0.008	0.039
Hartford	12306211	CT60	ULTIMATE	22-75-050-011	0.010	0.004	0.784
Hartford	12306511	CT71	OTIS HELISTOP DIVISION OF UTC	22-75-050-012	0.069	0.033	0.965
Hartford	12306811	CT75	HURLBRINK	22-75-050-012	0.011	0.008	0.039
Hartford	12307711	CT88	RENTSCHLER	22-75-050-012	0.037	0.018	0.520
Hartford	9792311	HFD	Hartford-Brainard	22-75-001-000	16.736	34.399	39.988

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-011	11.191	4.834	893.483
Hartford	9792311	HFD	Hartford-Brainard	22-75-050-012	5.962	2.800	82.819
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-011	0.022	0.021	3.718
Hartford	9792311	HFD	Hartford-Brainard	22-75-060-012	0.862	0.664	3.094
Hartford	9792411	BDL	Bradley Intl	22-65-008-005	9.333	9.916	167.822
Hartford	9792411	BDL	Bradley Intl	22-70-008-005	4.365	9.934	3.851
Hartford	9792411	BDL	Bradley Intl	22-75-001-000	55.745	114.579	133.195
Hartford	9792411	BDL	Bradley Intl	22-75-020-000	290.549	530.427	758.922
Hartford	9792411	BDL	Bradley Intl	22-75-050-011	0.276	0.119	22.053
Hartford	9792411	BDL	Bradley Intl	22-75-050-012	10.431	4.760	137.675
Hartford	9792411	BDL	Bradley Intl	22-75-060-011	0.000	0.000	0.000
Hartford	9792411	BDL	Bradley Intl	22-75-060-012	15.691	11.984	45.119

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Hartford	9792411	BDL	Bradley Intl	22-75-070-000	5.284	16.536	18.312
Hartford	9792511	4B9	Simsbury	22-75-050-011	3.866	1.670	308.650
Hartford	9792511	4B9	Simsbury	22-75-050-012	0.000	0.000	0.000
Hartford	9792611	4B8	Robertson Field	22-75-050-011	5.070	2.190	404.820
Hartford	9792611	4B8	Robertson Field	22-75-050-012	1.874	0.880	26.024
Hartford	9792611	4B8	Robertson Field	22-75-060-011	0.017	0.016	2.828
Hartford	9792611	4B8	Robertson Field	22-75-060-012	0.651	0.501	2.335
Hartford	**All**	**All**	**All**	**All**	**449.991**	**757.404**	**3,624.900**
Litchfield	10946911	04CT	SHINGLE MILL	22-75-050-012	0.236	0.486	0.564
Litchfield	10995811	11N	CANDLELIGHT FARMS	22-75-050-011	7.548	3.261	602.659
Litchfield	11315811	CT24	NORTH CANAAN AVIATION FACILITIES INC	22-75-050-011	0.020	0.009	1.632
Litchfield	11316211	CT42	WINGS AGO AIRSTRIP	22-75-050-011	0.059	0.025	4.701

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Litchfield	11517211	0CT0	SHARON HOSPITAL	22-75-050-012	0.067	0.051	0.239
Litchfield	11778911	6Y2	CANDLELIGHT	22-75-050-012	0.000	0.000	0.000
Litchfield	12289011	CT01	WHELAN FARMS	22-75-050-011	0.027	0.012	2.134
Litchfield	12306111	CT59	GOOD HILL FARM	22-75-050-011	0.008	0.004	0.653
Litchfield	**All**	**All**	**All**	**All**	**8.012**	**3.872**	**615.780**
Middlesex	11146011	42B	GOODSPEED	22-75-050-011	2.038	0.880	162.711
Middlesex	11146011	42B	GOODSPEED	22-75-050-012	0.000	0.000	0.000
Middlesex	12291111	CT39	MAPLEWOOD FARM	22-75-050-011	0.020	0.009	1.632
Middlesex	9790011	SNC	Chester	22-75-050-011	3.018	1.304	240.933
Middlesex	9790011	SNC	Chester	22-75-050-012	1.124	0.528	15.615
Middlesex	9790011	SNC	Chester	22-75-060-011	0.715	0.665	118.467
Middlesex	9790011	SNC	Chester	22-75-060-012	0.344	0.265	1.236

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Middlesex	**All**	**All**	**All**	**All**	**7.347**	**3.719**	**540.909**
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-011	0.000	0.000	0.000
New Haven	11160811	4C3	HUMMINGBIRD	22-75-050-012	0.000	0.000	0.000
New Haven	9785011	OXC	Waterbury-Oxford	22-65-008-005	0.007	0.008	0.123
New Haven	9785011	OXC	Waterbury-Oxford	22-70-008-005	0.001	0.001	0.000
New Haven	9785011	OXC	Waterbury-Oxford	22-75-001-000	16.401	33.712	39.189
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-011	3.487	1.506	278.396
New Haven	9785011	OXC	Waterbury-Oxford	22-75-050-012	17.947	8.200	242.666
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-011	0.127	0.119	21.106
New Haven	9785011	OXC	Waterbury-Oxford	22-75-060-012	4.882	3.763	17.524
New Haven	9785011	OXC	Waterbury-Oxford	22-75-070-000	0.003	0.007	0.009
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-011	3.189	1.378	254.645

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
New Haven	9785211	MMK	Meriden Markham Muni	22-75-050-012	1.461	0.686	20.299
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-011	0.006	0.005	0.954
New Haven	9785211	MMK	Meriden Markham Muni	22-75-060-012	0.222	0.171	0.796
New Haven	9785311	HVN	Tweed-New Haven	22-65-008-005	0.003	0.003	0.047
New Haven	9785311	HVN	Tweed-New Haven	22-70-008-005	0.000	0.000	0.000
New Haven	9785311	HVN	Tweed-New Haven	22-75-001-000	4.665	9.589	11.147
New Haven	9785311	HVN	Tweed-New Haven	22-75-020-000	7.370	22.210	26.763
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-011	6.070	2.622	484.630
New Haven	9785311	HVN	Tweed-New Haven	22-75-050-012	5.508	2.494	73.820
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-011	0.078	0.073	13.009
New Haven	9785311	HVN	Tweed-New Haven	22-75-060-012	3.008	2.319	10.800
New Haven	9785311	HVN	Tweed-New Haven	22-75-070-000	0.001	0.003	0.004

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
New Haven	**All**	**All**	**All**	**All**	**56.183**	**55.218**	**1,310.043**
New London	11003211	14CT	MPTN HELIPORT	22-75-050-012	0.082	0.035	6.529
New London	12304811	CT43	SPRUCE	22-75-050-011	0.000	0.000	0.000
New London	12308211	CT93	BACKUS HOSPITAL	22-75-050-012	1.899	1.464	6.816
New London	16081511	69CT	THE SHORE	22-75-050-011	0.010	0.004	0.784
New London	9810511	GON	Groton-New London	22-65-008-005	0.004	0.005	0.076
New London	9810511	GON	Groton-New London	22-70-008-005	0.000	0.001	0.000
New London	9810511	GON	Groton-New London	22-75-001-000	34.739	71.404	83.005
New London	9810511	GON	Groton-New London	22-75-050-011	9.018	3.896	720.019
New London	9810511	GON	Groton-New London	22-75-050-012	1.283	0.478	13.469
New London	9810511	GON	Groton-New London	22-75-060-011	0.079	0.073	13.046
New London	9810511	GON	Groton-New London	22-75-060-012	3.016	2.325	10.827

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
New London	9810511	GON	Groton-New London	22-75-070-000	0.002	0.004	0.014
New London	**All**	**All**	**All**	**All**	**50.132**	**79.688**	**854.586**
Tolland	11649811	7B9	ELLINGTON	22-75-050-011	6.794	2.935	542.458
Tolland	11649811	7B9	ELLINGTON	22-75-050-012	0.360	0.169	4.997
Tolland	**All**	**All**	**All**	**All**	**7.154**	**3.104**	**547.455**
Windham	11305211	C44	TOUTANT	22-75-050-012	0.000	0.000	0.000
Windham	11517411	0CT2	WINDHAM HOSPITAL	22-75-050-012	0.270	0.208	0.969
Windham	9808111	IJD	Windham	22-75-050-011	4.122	1.780	329.079
Windham	9808111	IJD	Windham	22-75-050-012	1.124	0.528	15.615
Windham	9808111	IJD	Windham	22-75-060-011	0.003	0.003	0.535
Windham	9808111	IJD	Windham	22-75-060-012	0.120	0.093	0.432
Windham	9808211	LZD	Danielson	22-75-050-011	6.869	2.967	548.465

County	EIS	FAA	Site Name	SCC	Summer Day Emissions [lb/day]		
	Facility ID	Location ID			VOC	NO_X	CO
Windham	9808211	LZD	Danielson	22-75-050-012	31.477	14.780	437.211
Windham	9808211	LZD	Danielson	22-75-060-011	0.023	0.022	3.853
Windham	9808211	LZD	Danielson	22-75-060-012	0.138	0.106	0.495
Windham	**All**	**All**	**All**	**All**	**52.125**	**36.780**	**1,360.784**
State Total	**All**	**All**	**All**	**All**	**714.193**	**984.816**	**11,308.203**

Table G-22: Annual 2020 Emissions of Commercial Marine Vessels (CMV)

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NOx	CO	PM10-PRI	PM2.5-PRI	SO2	NH3	Lead
Fairfield County									
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.12	0.93	0.04	0.04	0.03	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.54	17.13	2.63	0.53	0.51	0.39	0.01	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.10	0.01	0.00	0.00	0.01	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	5.47	154.86	24.11	4.00	3.88	0.10	0.07	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	1.19	39.19	6.16	1.05	1.02	0.26	0.02	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.03	0.63	0.06	0.01	0.01	0.02	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Fairfield County Total		**7.36**	**212.92**	**33.03**	**5.62**	**5.45**	**0.78**	**0.10**	**0.00**
Hartford County									

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NOx	CO	PM10-PRI	PM2.5-PRI	SO2	NH3	Lead
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Hartford County Total		**0.00**	**0.13**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Litchfield County									

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NOx	CO	PM10-PRI	PM2.5-PRI	SO2	NH3	Lead
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Litchfield County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Middlesex County									

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NOx	CO	PM10-PRI	PM2.5-PRI	SO2	NH3	Lead
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.10	2.04	0.28	0.06	0.05	0.00	0.00	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	1.33	46.13	7.24	1.16	1.13	0.03	0.02	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Middlesex County Total		**1.42**	**48.17**	**7.51**	**1.22**	**1.18**	**0.03**	**0.02**	**0.00**
New Haven County									

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NOx	CO	PM10-PRI	PM2.5-PRI	SO2	NH3	Lead
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.22	1.82	0.10	0.07	0.07	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.68	22.25	3.55	0.56	0.55	0.03	0.01	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.18	1.26	0.21	0.02	0.02	0.02	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	2.34	61.09	6.01	1.27	1.17	3.06	0.02	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	2.05	44.75	6.67	1.21	1.17	0.03	0.02	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	1.93	64.75	10.13	1.72	1.66	0.37	0.03	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	1.46	26.80	2.82	0.35	0.32	0.64	0.01	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.64	15.97	1.64	0.36	0.33	0.87	0.01	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
New Haven County Total		**9.52**	**238.70**	**31.13**	**5.55**	**5.28**	**5.02**	**0.10**	**0.00**
New London County									

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NOx	CO	PM10-PRI	PM2.5-PRI	SO2	NH3	Lead
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.36	12.64	1.98	0.32	0.31	0.01	0.01	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	3.18	88.90	13.23	2.33	2.26	0.05	0.04	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	6.85	231.58	36.14	6.29	6.09	1.85	0.12	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.01	0.15	0.02	0.00	0.00	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.06	1.48	0.15	0.04	0.03	0.09	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
New London County Total		**10.47**	**334.77**	**51.52**	**8.98**	**8.69**	**2.00**	**0.17**	**0.00**
Tolland County									

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NOx	CO	PM10-PRI	PM2.5-PRI	SO2	NH3	Lead
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Tolland County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Windham County									
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NOx	CO	PM10-PRI	PM2.5-PRI	SO2	NH3	Lead
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0	0	0	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0	0	0	0	0	0
Windham County Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
State Total		**28.78**	**834.69**	**123.21**	**21.38**	**20.61**	**7.83**	**0.40**	**0.0026**

Table G-23: 2020 Summer Day Emissions of Commercial Marine Vessels (CMV)

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NOX	CO
Fairfield County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.67	5.11	0.22
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	2.95	94.11	14.48
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.02	0.57	0.06
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	30.04	850.89	132.50
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	6.56	215.33	33.83
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.17	3.47	0.34
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.01	0.39	0.04
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Fairfield County Total		**40.42**	**1169.88**	**181.46**
Hartford County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.01	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.14	0.02
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.00	0.06	0.01
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0.01	0.50	0.08

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NOX	CO
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Hartford County Total		**0.02**	**0.71**	**0.11**
Litchfield County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0	0	0
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0	0	0
22-80-002-103	C3 Diesel Port emissions: Main Engine	0	0	0
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0	0	0
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0	0	0
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0	0	0
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0	0	0
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0	0	0
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0
Litchfield County Total		**0**	**0**	**0**

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NOX	CO
Middlesex County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.52	11.19	1.53
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	7.29	253.46	39.76
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.02	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Middlesex County Total		**7.81**	**264.67**	**41.29**
New Haven County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	1.2340022	9.98336813	0.55012802
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	3.73816319	122.272418	19.5016923
22-80-002-103	C3 Diesel Port emissions: Main Engine	1.00560495	6.9119011	1.15065055
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	12.8711978	335.638077	33.0150659
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	11.2811923	245.902473	36.6519011
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	10.630033	355.786648	55.6370879

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NOX	CO
22-80-002-203	C3 Diesel Underway emissions: Main Engine	8.02447802	147.270604	15.5033077
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	3.52383077	87.7656593	9.0115989
22-80-003-103	C3 Residual Port emissions: Main Engine	0	0	0
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0	0	0
22-80-003-203	C3 Residual Underway emissions: Main Engine	0	0	0
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0	0	0
New Haven County Total		**52.3085022**	**1311.53115**	**171.021432**
New London County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.02	0.13	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	2.00	69.48	10.90
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	17.49	488.46	72.70
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	37.65	1272.42	198.55
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.07	0.80	0.11
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.32	8.12	0.82
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
New London County Total		**57.55**	**1839.40**	**283.07**

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NOX	CO
Tolland County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Tolland County Total		**0.00**	**0.00**	**0.00**
Windham County				
22-80-002-101	C1C2 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-102	C1C2 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-103	C3 Diesel Port emissions: Main Engine	0.00	0.00	0.00
22-80-002-104	C3 Diesel Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-002-201	C1C2 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-202	C1C2 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NOX	CO
22-80-002-203	C3 Diesel Underway emissions: Main Engine	0.00	0.00	0.00
22-80-002-204	C3 Diesel Underway emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-103	C3 Residual Port emissions: Main Engine	0.00	0.00	0.00
22-80-003-104	C3 Residual Port emissions: Auxiliary Engine	0.00	0.00	0.00
22-80-003-203	C3 Residual Underway emissions: Main Engine	0.00	0.00	0.00
22-80-003-204	C3 Residual Underway emissions: Auxiliary Engine	0.00	0.00	0.00
Windham County Total		**0.00**	**0.00**	**0.00**
State Total		**158.12**	**4586.19**	**676.96**

Table G-24: Annual 2020 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	2.08	43.79	5.79	1.32	1.28	0.02	0.02	0.0000
22-85-002-007	Class II/III Operations	3.47	72.97	9.50	2.20	2.13	0.04	0.03	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	7.05	175.09	38.69	4.42	4.29	0.14	0.12	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Fairfield County Total		**12.6**	**291.85**	**53.98**	**7.94**	**7.7**	**0.20**	**0.17**	**0.00**
Hartford County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	4.20	88.24	11.49	2.66	2.58	0.05	0.04	0.0000
22-85-002-008	Passenger Trains (Amtrak)	2.42	44.98	7.72	1.52	1.47	0.03	0.02	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Hartford County Total		**6.62**	**133.22**	**19.21**	**4.18**	**4.05**	**0.08**	**0.06**	**0.00**
Litchfield County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	2.12	44.50	5.79	1.34	1.30	0.02	0.02	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Litchfield County Total		**2.12**	**44.50**	**5.79**	**1.34**	**1.30**	**0.02**	**0.02**	**0.00**
Middlesex County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	1.13	23.72	3.09	0.72	0.69	0.01	0.01	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Middlesex County Total		**1.13**	**23.72**	**3.09**	**0.72**	**0.69**	**0.01**	**0.01**	**0.00**
New Haven County									
22-85-002-006	Class I Operations	1.59	33.37	4.34	1.01	0.98	0.02	0.02	0.0000
22-85-002-007	Class II/III Operations	4.22	88.73	11.55	2.67	2.59	0.05	0.04	0.0000
22-85-002-008	Passenger Trains (Amtrak)	1.53	28.53	4.89	0.96	0.93	0.02	0.02	0.0000
22-85-002-009	Commuter Lines	4.40	109.38	24.17	2.76	2.67	0.09	0.08	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
New Haven County Total		**11.74**	**260.01**	**44.96**	**7.4**	**7.17**	**0.18**	**0.16**	**0.00**
New London County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	2.62	55.14	7.18	1.66	1.61	0.03	0.03	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
New London County Total		**2.62**	**55.14**	**7.18**	**1.66**	**1.61**	**0.03**	**0.02**	**0.00**
Tolland County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	0.66	13.98	1.82	0.42	0.41	0.01	0.01	0.0000
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Tolland County Total		**0.66**	**13.98**	**1.82**	**0.42**	**0.41**	**0.01**	**0.01**	**0.00**
Windham County									
22-85-002-006	Class I Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-007	Class II/III Operations	1.42	29.77	3.88	0.90	0.87	0.02	0.01	0.0000

SCC	SCC Description	Annual Emissions [TPY]							
		VOC	NO_X	CO	PM_{10}-PRI	$PM_{2.5}$-PRI	SO_2	NH_3	Lead
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-009	Commuter Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
22-85-002-010	Yard Locomotives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Windham County Total		**1.42**	**29.77**	**3.88**	**0.90**	**0.87**	**0.02**	**0.01**	**0.00**
State Total		**38.91**	**852.19**	**139.9**	**24.56**	**23.8**	**0.55**	**0.47**	**0.00**

Table G-25: 2020 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	16.05	336.88	43.87
22-85-002-007	Class II/III Operations	26.74	561.31	73.10
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	54.27	1,346.83	297.63
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Fairfield County Total		**97.06**	**2,245.02**	**414.60**
Hartford County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	32.34	678.83	88.41
22-85-002-008	Passenger Trains (Amtrak)	18.60	345.99	59.35
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Hartford County Total		**50.94**	**1,024.82**	**147.76**
Litchfield County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	16.31	342.31	44.58
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Litchfield County Total		**16.31**	**342.31**	**44.58**
Middlesex County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	8.70	182.53	23.77
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Middlesex County Total		**8.70**	**182.53**	**23.77**
New Haven County				
22-85-002-006	Class I Operations	12.23	256.67	33.43
22-85-002-007	Class II/III Operations	32.52	682.60	88.90
22-85-002-008	Passenger Trains (Amtrak)	11.80	219.50	37.65
22-85-002-009	Commuter Lines	33.90	841.40	185.93
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
New Haven County		**90.45**	**2,000.17**	**345.91**

SCC	SCC Description	Summer Day Emissions [lb/day]		
		VOC	NO_X	CO
New London County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	20.21	424.16	55.24
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
New London County Total		**20.21**	**424.16**	**55.24**
Tolland County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	5.13	107.57	14.01
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Tolland County Total		**5.13**	**107.57**	**14.01**
Windham County				
22-85-002-006	Class I Operations	0.00	0.00	0.00
22-85-002-007	Class II/III Operations	10.91	229.03	29.83
22-85-002-008	Passenger Trains (Amtrak)	0.00	0.00	0.00
22-85-002-009	Commuter Lines	0.00	0.00	0.00
22-85-002-010	Yard Locomotives	0.00	0.00	0.00
Windham County Total		**10.91**	**229.03**	**29.83**
State Total		**390.16**	**8,555.77**	**1,421.62**

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: 2020 Non-Road Sector to SCC Mapping

Non-Road CT PEI 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 CT PEI 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	22-65-00-8005	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
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

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
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
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

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
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	22-80-002-101	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Port emissions: Main Engine
Commercial Marine Vessels	22-80-002-102	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Port emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-002-103	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Port emissions: Main Engine
Commercial Marine Vessels	22-80-002-104	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Port emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-002-201	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Underway emissions: Main Engine

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Commercial Marine Vessels	22-80-002-202	Mobile Sources	Marine Vessels, Commercial	Diesel	C1C2 Underway emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-002-203	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Underway emissions: Main Engine
Commercial Marine Vessels	22-80-002-204	Mobile Sources	Marine Vessels, Commercial	Diesel	C3 Underway emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-003-103	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Port emissions: Main Engine
Commercial Marine Vessels	22-80-003-104	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Port emissions: Auxiliary Engine
Commercial Marine Vessels	22-80-003-203	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Underway emissions: Main Engine
Commercial Marine Vessels	22-80-003-204	Mobile Sources	Marine Vessels, Commercial	Residual	C3 Underway emissions: Auxiliary Engine
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

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
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
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

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
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
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

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
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
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

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Construction and Mining Equipment	22-70-002-057	Mobile Sources	Off-highway Vehicle Diesel	Construction and Mining Equipment	Rough Terrain Forklifts
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 CT PEI 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
Industrial Equipment	22-70-003-020	Mobile Sources	Off-highway Vehicle Diesel	Industrial Equipment	Forklifts

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
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)
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)

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
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)
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 (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)

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
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)
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)
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

Non-Road CT PEI Sector	Source Classification Code	SCC Description			
		Level 1	Level 2	Level 3	Level 4
Logging Equipment	22-65-007-010	Mobile Sources	Off-highway Vehicle Gasoline, 4-Stroke	Logging Equipment	Shredders > 6 HP
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
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
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

Non-Road CT PEI 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

Appendix H Area Source Calculation Support Tables

Table H-1: EIA-923 Electrical Generation Missing from Connecticut's 2020 Point Source Inventory

EIA / EPA IPM Plant Identifier	Plant Name	Operator Name	EIA Sector Number and Name	Reported Prime Mover	AER Fuel Type	Annual Activity	Physical Unit Label
57598	Bridge Street 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1274	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	1,472	barrels
57601	Gary Court 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1272	barrels
57602	Jewett City 1	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	558	barrels
57603	LNG 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1342	barrels
57604	Lebanon Pines 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1256	barrels
57605	Water Treatment 1 & 2	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	1302	barrels
57689	Norden 1-3	Third Taxing District of Norwalk	1 - Electric Utility	IC	DFO	63	barrels
58551	Bridgeport Fuel Cell, LLC	Bridgeport Fuel Cell, LLC	2 - NAICS-22 Non-Cogen	FC	NG	754,634	mcf
59415	Backus Microgrid Project	Connecticut Mun Elec Engy Coop	1 - Electric Utility	IC	DFO	2,287	barrels
59801	IBM Southbury	Bloom Energy	2 - NAICS-22 Non-Cogen	FC	NG	45537	mcf
60040	UI RCP New Haven Fuel Cell	United Illuminating Co	1 - Electric Utility	FC	NG	141,992	mcf
60054	UI RCP Bridgeport Seaside	United Illuminating Co	1 - Electric Utility	FC	NG	151,673	mcf
60109	UDR Glastonbury Fuel Cell	UIL Distributed Resources, LLC	2 - NAICS-22 Non-Cogen	FC	NG	124,405	mcf
60392	Pfizer Groton Fuel Cell	Groton Fuel Cell 1 LLC	3 - NAICS-22 Cogen	FC	NG	307,640	mcf
60593	UI RCP Woodbridge FC	United Illuminating Co	1 - Electric Utility	FC	NG	158,785	mcf
60683	TRS Fuel Cell	TRS Fuel Cell, LLC	3 - NAICS-22 Cogen	FC	NG	45,980	mcf
61786	Trinity College Fuel Cell	AEP Onsite Partners, LLC	2 - NAICS-22 Non-Cogen	FC	NG	93,554	mcf
62455	Digital Fairfield	Bloom Energy	2 - NAICS-22 Non-Cogen	FC	NG	113,391	mcf
63302	South Windsor Fuel Cell	South Energy Investments LLC	2 - NAICS-22 Non-Cogen	FC	NG	96,334	mcf
63438	UB Fuel Cell	Clearway Energy, Inc	3 - NAICS-22 Cogen	FC	NG	1,443	mcf
64753	FDX010.0 FedEx Fuel Cell	2016 ESA Project Company, LLC	2 - NAICS-22 Non-Cogen	FC	NG	58,488	mcf
Total of Missing Activity for Distillate Petroleum Units						**10826**	E3GAL
Total of Missing Activity for Natural Gas Units						**2,093,856.00**	MMCF

Table H-2: Connecticut 2020 Emissions Inventory Data in EIA-923 Electrical Generation Report

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
T014P0004C07741	16708311	Connecticut Jet Power LLC, Branford Substation	NRG ENERGY, INC.	540	Branford	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
T015P0045C08087	754311	PSEG PWR CT LLC/BPT HARBOR STA	PSEG POWER CT, LLC	568	Bridgeport Station	PSEG Power Connecticut LLC	2 - NAICS-22 Non-Cogen
T015P0765C08786	754411	WHEELABRATOR BRIDGEPORT LP	Wheelabrator Technologies Inc	50883	Wheelabrator Bridgeport	Wheelabrator Environmental Systems	2 - NAICS-22 Non-Cogen
T015P0862C06859	754511	BRIDGEPORT ENERGY LLC	BRIDGEPORT ENERGY LLC	55042	Bridgeport Energy Project	Bridgeport Energy LLC	2 - NAICS-22 Non-Cogen
T026P0202C06590	588711	COVANTA BRISTOL, INC	COVANTA ENERGY, INC	50648	Covanta Bristol Energy	Covanta Bristol Inc	2 - NAICS-22 Non-Cogen
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	UNITED TECHNOLOGIES CORP	54605	Pratt & Whitney	United Technologies	7 - Industrial NAICS Cogen
T067P0017C07741	2722511	CONNECTICUT JET POWER, LLC	NRG ENERGY, INC.	542	Cos Cob	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
T070P0004C00089	921211	Pfizer Incorporated, Manufacturing and Research	PFIZER INC	54236	Pfizer Groton Plant	Pfizer Inc	7 - Industrial NAICS Cogen
T075P0158C08792	715611	MIRA / MID-CONNECTICUT	Materials Innovation and Recycling Authority (MIRA)	54945	CT Resource Rec Authority Facility	NAES Corp	2 - NAICS-22 Non-Cogen
T075P0158C08792	715611	MIRA / MID-CONNECTICUT	Materials Innovation and Recycling Authority (MIRA)	563	South Meadow	NAES Corp	2 - NAICS-22 Non-Cogen
T075P0766C08310	844911	CAP DIST ENERGY CTR COGEN ASSO	MAXIM POWER CORPORATION	50498	Capitol District Energy Center	Capitol District Energy Center	3 - NAICS-22 Cogen
T089P0080C07442	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
T093P0014C08786	8501611	WHEELABRATOR LISBON INC	Wheelabrator Technologies Inc	54758	Wheelabrator Lisbon	Wheelabrator Environmental Systems	2 - NAICS-22 Non-Cogen

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
T104P0024C07741	715711	MIDDLETOWN POWER LLC	NRG ENERGY, INC.	562	Middletown	Middletown Power LLC	2 - NAICS-22 Non-Cogen
T104P0024C07741	715711	MIDDLETOWN POWER LLC	NRG ENERGY, INC.	57068	GenConn Middletown LLC	GenConn Middletown LLC	2 - NAICS-22 Non-Cogen
T104P0246C08070	14622911	KLEEN ENERGY SYSTEM PROJECT	KLEEN ENERGY SYSTEM LLC	56798	Kleen Energy Systems Project	Kleen Energy Systems, LLC	2 - NAICS-22 Non-Cogen
T105P0014C07741	590011	DEVON POWER, LLC	NRG ENERGY, INC.	544	Devon Station	Devon Power LLC	2 - NAICS-22 Non-Cogen
T105P0014C07741	590011	DEVON POWER, LLC	NRG ENERGY, INC.	57070	GenConn Devon LLC	GenConn Devon LLC	2 - NAICS-22 Non-Cogen
T105P0251C07780	2708911	MILFORD POWER CO, LLC	MILFORD POWER CO LLC	55126	Milford Power Project	Milford Power Co LLC	2 - NAICS-22 Non-Cogen
T107P0005C07741	552611	MONTVILLE POWER, LLC	NRG ENERGY, INC.	546	Montville Station	NRG Montville Operations Inc	2 - NAICS-22 Non-Cogen
T117P0551C08087	643411	PSEG FOSSIL LLC/ POWER CT LLC	PSEG POWER CT, LLC	6156	New Haven Harbor	PSEG Power Connecticut LLC	2 - NAICS-22 Non-Cogen
T130P0006C01672	845911	KIMBERLY-CLARK CORP	KIMBERLY CLARK CORP	58084	Kimberly Clark-Unit 1,2,3	Kimberly-Clark Corporation	7 - Industrial NAICS Cogen
T139P0105C06101	16708211	NORWICH PUBLIC UTIL/ELECT	City of Norwich	581	North Main Street	City of Norwich - (CT)	1 - Electric Utility
T144P0014C08677	18867011	TOWANTIC ENERGY LLC	CPV Towantic, LLC	56047	CPV Towantic Energy Center	CPV Towantic, LLC	2 - NAICS-22 Non-Cogen
T145P0074C08464	16734111	PLAINFIELD RENEWABLE ENRGY LLC	PLAINFIELD RENEWBLE ENRGY, LLC	56847	Plainfield Renewable Energy LLC	Plainfield Renewable Energy, LLC	2 - NAICS-22 Non-Cogen
T150P0001C08542	16708111	Tunnel Station	FirstLight Hydro Generating Company, LLC	557	Tunnel	FirstLight Power Resources Services LLC	2 - NAICS-22 Non-Cogen
T150P0012C06032	754611	COVANTA SOUTHEASTERN CT CO	COVANTA ENERGY CORPORATION	10646	Covanta Southeastern Connecticut Company	Covanta Southeastern Connecticut Company	2 - NAICS-22 Non-Cogen

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Company Name	EIA / EPA IPM Plant Identifier	EIA Plant Name	EIA Operator Name	EIA Sector Number and Name
T172P0026C08048	14623611	WATERSIDE POWER LLC	WATERSIDE POWER LLC	56189	Waterside Power, LLC	Waterside Power, LLC	2 - NAICS-22 Non-Cogen
T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	Sikorsky Aircraft Corporation	61703	Sikorsky Aircraft Corporation	Sikorsky Aircraft CHP	7 - Industrial NAICS Cogen
T183P0024C07741	16712111	Connecticut Jet Power LLC, Franklin Drive	NRG ENERGY, INC.	561	Franklin Drive	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
T183P0043C07741	16708411	Connecticut Jet Power LLC, Torrington Terminal	NRG ENERGY, INC.	565	Torrington Terminal	Connecticut Jet Power LLC	2 - NAICS-22 Non-Cogen
T189P0114C08224	14624411	PIERCE GENERATING STATION (Wallingford)	CT MUNICIPAL ELEC ENERGY CO-OP	6635	A L Pierce	Connecticut Mun Elec Engy Coop	1 - Electric Utility
T189P0114C08691	14624011	Wallingford Energy LLC	Wallingford Energy LLC	55517	Wallingford Energy	Wallingford Energy LLC	2 - NAICS-22 Non-Cogen
T192P0005C08468	15588211	WATERBURY GENERATION, LLC	FIRST LIGHT RESRCE SRVCE, LLC	56629	Waterbury Generation	Engie North America	2 - NAICS-22 Non-Cogen
T213P0001C08095	15588211	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 for 2020 Point Reconciliation
(Industrial, Commercial or Not Applicable)

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
T013P0001C00362	15588311	The Gilman Brothers Company	3261	Industrial	NAICS
T014P0004C07741	16708311	Connecticut Jet Power LLC, Branford Substation	221112	Electrical	EIA 923
T015P0017C08751	754211	Sprague Operating Resources, LLC formerly MOTIVA ENTERPRISES LLC	45431	Commercial	NAICS
T015P0045C08087	754311	PSEG PWR CT LLC/BPT HARBOR STA	221112	Electrical	EIA 923
T015P0765C08786	754411	WHEELABRATOR BRIDGEPORT LP	562213	Electrical	EIA 923
T015P0862C06859	754511	BRIDGEPORT ENERGY LLC	221112	Electrical	EIA 923
T026P0019C06579	769211	Firestone Building Products Co	3261	Industrial	NAICS
T026P0202C06590	588711	COVANTA BRISTOL, INC	562213	Electrical	EIA 923
T028P0049C08044	14621711	IROQUOIS PIPELINE OPERATING CO	48621	Pipeline Transportation of Natural Gas	NAICS
T034P0002C08820	751611	ALGONQUIN GAS TRANSMISSION (Chaplin)	48621	Pipeline Transportation of Natural Gas	NAICS
T043P0005C08820	2706711	ALGONQUIN GAS TRANSMISSION (Cromwell)	48621	Pipeline Transportation of Natural Gas	NAICS
T043P0012C00562	17876611	MATTABASSETT DISTRICT	221320	Electrical	NAICS
T044P0039C06578	17997311	Tilcon Connecticut Inc. - Danbury	324121	Industrial	NAICS
T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	337110	Industrial	NAICS
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	336412	Industrial	EIA 923
T054P0005C01457	897811	NEW HAVEN TERMINAL - EAST HAVEN	4931	Commercial	NAICS
T067P0017C07741	2722511	CONNECTICUT JET POWER, LLC	221112	Electrical	EIA 923
T070P0004C00089	921211	Pfizer Incorporated, Manufacturing and Research	325411	Industrial	EIA 923
T070P0005C00046	922211	ELECTRIC BOAT CORP	336611	Industrial	NAICS
T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	92811	Commercial	NAICS
T075P0158C08792	715611	MIRA / MID-CONNECTICUT	562213	Electrical	EIA 923

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
T075P0505C01046	552311	M D C /HARTFORD WPCF	221320	Electrical	NAICS
T075P0766C08310	844911	CAP DIST ENERGY CTR COGEN ASSO	221330	Electrical	EIA 923
T089P0065C07514	2765911	FRITO-LAY INC	311919	Industrial	NAICS
T089P0080C07442	844711	LAKE ROAD GENERATING CO, L.P.	221112	Electrical	EIA 923
T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	325211	Industrial	NAICS
T093P0014C08786	8501611	WHEELABRATOR LISBON INC	562213	Electrical	EIA 923
T097P0225C00197	14622811	MANCHESTER /SANITATION DIV	562212	Commercial	NAICS
T098P0015C01138	642611	UNIV OF CT / STORRS	611310	Commercial	NAICS
T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	336412	Industrial	NAICS
T104P0024C07741	715711	MIDDLETOWN POWER LLC	221112	Electrical	EIA 923
T104P0246C08070	14622911	KLEEN ENERGY SYSTEM PROJECT	221112	Electrical	EIA 923
T105P0014C07741	590011	DEVON POWER, LLC	221112	Electrical	EIA 923
T105P0251C07780	2708911	MILFORD POWER CO, LLC	221112	Electrical	EIA 923
T107P0005C07741	552611	MONTVILLE POWER, LLC	221112	Electrical	EIA 923
T109P0011C01307	898011	NAUGATUCK POTW	221320	Electrical	NAICS
T110P0282C00110	918811	STANLEY TOOLS DIV	332216	Industrial	NAICS
T117P0048C00205	843911	YALE UNIV /CENTRAL POWER PLT	61131	Commercial	NAICS
T117P0049C00205	898111	YALE UNIV, SCHOOL OF MEDICINE	61131	Commercial	NAICS
T117P0053C08822	555511	MOTIVA ENTERPRISES LLC	45431	Commercial	NAICS
T117P0088C06566	918711	GULF OIL L.P.	45431	Commercial	NAICS
T117P0120C01457	555611	NEW HAVEN TERMINAL - NEW HAVEN	49319	Commercial	NAICS
T117P0212C08494	844411	BUCKEYE TERMINALS - FORBES AVE (Formerly MAGELLAN TERMINALS HOLDINGS)	49319	Commercial	NAICS
T117P0519C08494	843211	BUCKEYE TERMINALS, LLC - WATERFRONT ST (formerly MAGELLAN TERMINALS HOLDINGS)	49319	Commercial	NAICS
T117P0551C08087	643411	PSEG FOSSIL LLC/ POWER CT LLC	221112	Electrical	EIA 923

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
T117P0960C08281	2709611	GREATER NEW HAVEN WPCA	2213	Electrical	NAICS
T130P0006C01672	845911	KIMBERLY-CLARK CORP	32212	Industrial	EIA 923
T135P0117C05244	14623211	UNITED ALUMINUM CORP	331315	Industrial	NAICS
T137P0003C01727	552411	NORWALK HOSPITAL ASSOCIATION	622110	Commercial	NAICS
T139P0105C06101	16708211	NORWICH PUBLIC UTIL/ELECT	221112	Electrical	EIA 923
T144P0014C08677	18867011	TOWANTIC ENERGY LLC	221112	Electrical	EIA 923
T144P0018C08820	14623311	ALGONQUIN GAS TRANSMISSION LLC	48621	Pipeline Transportation of Natural Gas	NAICS
T145P0074C08464	16734111	PLAINFIELD RENEWABLE ENRGY LLC	221118	Electrical	EIA 923
T150P0001C08542	16708111	Tunnel Station	221112	Electrical	EIA 923
T150P0012C06032	754611	COVANTA SOUTHEASTERN CT CO	562213	Electrical	EIA 923
T152P0008C05365	844811	Sonoco Protective Solutions, Inc	3261	Industrial	NAICS
T168P0110C04470	2673711	SUPREME LAKE MFG CO	332721	Industrial	NAICS
T172P0026C08048	14623611	WATERSIDE POWER LLC	221112	Electrical	EIA 923
T172P0091C08762	588811	PolyOne Designed Structures and Solutions formerly SPARTECH POLYCAST, INC	326113	Industrial	NAICS
T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	336411	Industrial	EIA 923
T178P0167C08768	533411	Total Petrochemical and Refining	325199	Industrial	NAICS
T178P0223C05988	589611	HAMPFORD RESEARCH INC	325199	Industrial	NAICS
T183P0024C07741	16712111	Connecticut Jet Power LLC, Franklin Drive	221112	Electrical	EIA 923
T183P0043C07741	16708411	Connecticut Jet Power LLC, Torrington Terminal	221112	Electrical	EIA 923
T189P0027C08763	658111	Allnex USA, Inc formerly CYTEC INDUSTRIES INC	325211	Industrial	NAICS
T189P0027C08840	15588611	Roehm America LLC	325211	Industrial	NAICS
T189P0076C06012	2711211	AMETEK SPECIALTY METAL PRODUCT	331491	Industrial	NAICS
T189P0114C08224	14624411	PIERCE GENERATING STATION (Wallingford)	221112	Electrical	EIA 923
T189P0114C08691	14624011	Wallingford Energy LLC	221112	Electrical	EIA 923

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	NAICS Code	ICI Reconciliation Sector Assignment	Assignment Method
T192P0005C08468	15588211	WATERBURY GENERATION, LLC	221112	Electrical	EIA 923
T192P0053C08474	555711	SOMERS THIN STRIP	331420	Industrial	NAICS
T192P0065C00253	17876411	Waterbury Water Pollution Control Facility	221320	Electrical	NAICS
T199P0003C08003	590111	Millstone Power Station	221113	Electrical	NAICS
T203P0146C02442	17876511	OMI WEST HAVEN /WPCF (S.S.I.)	221320	Electrical	NAICS
T213P0001C08095	589711	ALGONQUIN POWER WINDSOR LOCKS	221112	Electrical	EIA 923
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	33641	Industrial	NAICS

Table H-4: Connecticut Facility Level Data for Industrial and Commercial/Institutional for 2020 Point Reconciliation

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Activity	Unit
T013P0001C00362	15588311	The Gilman Brothers Company	Industrial	Distillate Oil	50.745	E3GAL
T015P0017C08751	754211	Sprague Operating Resources, LLC formerly MOTIVA ENTERPRISES LLC	Commercial	Distillate Oil	0.0429	E3GAL
T015P0017C08751	754211	Sprague Operating Resources, LLC formerly MOTIVA ENTERPRISES LLC	Commercial	LPG	1.24	E3GAL
T026P0019C06579	769211	Firestone Building Products Co	Industrial	Natural Gas	34.23	E6FT3
T044P0039C06578	17997311	Tilcon Connecticut Inc. - Danbury	Industrial	Distillate Oil	0	E3GAL
T044P0039C06578	17997311	Tilcon Connecticut Inc. - Danbury	Industrial	Natural Gas	0.8	E6FT3
T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	Industrial	Distillate Oil	18.409	E3GAL
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	Distillate Oil	14.72	E3GAL
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	LPG	0	E3GAL
T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	Industrial	Natural Gas	1425.853	E6FT3
T054P0005C01457	897811	NEW HAVEN TERMINAL - EAST HAVEN	Commercial	-	-	-
T070P0004C00089	921211	Pfizer Incorporated, Manufacturing and Research	Industrial	Distillate Oil	7.0375	E3GAL
T070P0004C00089	921211	Pfizer Incorporated, Manufacturing and Research	Industrial	LPG	0.041	E3GAL
T070P0004C00089	921211	Pfizer Incorporated, Manufacturing and Research	Industrial	Natural Gas	2096.363	E6FT3
T070P0005C00046	922211	ELECTRIC BOAT CORP	Industrial	Distillate Oil	6.4087	E3GAL
T070P0005C00046	922211	ELECTRIC BOAT CORP	Industrial	LPG	0	E3GAL
T070P0005C00046	922211	ELECTRIC BOAT CORP	Industrial	Natural Gas	98.59	E6FT3
T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	Commercial	Distillate Oil	130.6863	E3GAL
T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	Commercial	LPG	3.4692	E3GAL
T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE/PWR P	Commercial	Natural Gas	560.7678	E6FT3
T089P0065C07514	2765911	FRITO-LAY INC	Industrial	Distillate Oil	0.668	E3GAL
T089P0065C07514	2765911	FRITO-LAY INC	Industrial	LPG	4.595	E3GAL
T089P0065C07514	2765911	FRITO-LAY INC	Industrial	Natural Gas	668.2002	E6FT3
T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	Industrial	Distillate Oil	1.474	E3GAL
T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	Industrial	Natural Gas	28.688	E6FT3

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Activity	Unit
T097P0225C00197	14622811	MANCHESTER /SANITATION DIV	Commercial	Distillate Oil	23.244	E3GAL
T097P0225C00197	14622811	MANCHESTER /SANITATION DIV	Commercial	LPG	0.76	E3GAL
T097P0225C00197	14622811	MANCHESTER /SANITATION DIV	Commercial	Natural Gas	9.0003	E6FT3
T098P0015C01138	642611	UNIV OF CT / STORRS	Commercial	Distillate Oil	199.9711	E3GAL
T098P0015C01138	642611	UNIV OF CT / STORRS	Commercial	LPG	4.5332	E3GAL
T098P0015C01138	642611	UNIV OF CT / STORRS	Commercial	Natural Gas	1936.409	E6FT3
T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	Industrial	Distillate Oil	8.132	E3GAL
T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	Industrial	LPG	2.91	E3GAL
T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	Industrial	Natural Gas	649.43	E6FT3
T110P0282C00110	918811	STANLEY TOOLS DIV	Industrial	Natural Gas	960.79	E6FT3
T117P0048C00205	843911	YALE UNIV /CENTRAL POWER PLT	Commercial	Distillate Oil	73.121	E3GAL
T117P0048C00205	843911	YALE UNIV /CENTRAL POWER PLT	Commercial	Natural Gas	1591.7	E6FT3
T117P0049C00205	898111	YALE UNIV, SCHOOL OF MEDICINE	Commercial	Distillate Oil	30.51	E3GAL
T117P0049C00205	898111	YALE UNIV, SCHOOL OF MEDICINE	Commercial	Natural Gas	1843.135	E6FT3
T117P0053C08822	555511	MOTIVA ENTERPRISES LLC	Commercial	Distillate Oil	1.9131	E3GAL
T117P0053C08822	555511	MOTIVA ENTERPRISES LLC	Commercial	Natural Gas	0.151	E6FT3
T117P0088C06566	918711	GULF OIL L.P.	Commercial	-	-	-
T117P0120C01457	555611	NEW HAVEN TERMINAL - NEW HAVEN	Commercial	-	-	-
T117P0212C08494	844411	BUCKEYE TERMINALS - FORBES AVE (Formerly MAGELLAN TERMINALS HOLDINGS)	Commercial	Distillate Oil	3.0188	E3GAL
T117P0212C08494	844411	BUCKEYE TERMINALS - FORBES AVE (Formerly MAGELLAN TERMINALS HOLDINGS)	Commercial	Natural Gas	4.015	E6FT3
T117P0519C08494	843211	BUCKEYE TERMINALS, LLC - WATERFRONT ST (formerly MAGELLAN TERMINALS HOLDINGS)	Commercial	Distillate Oil	5.9652	E3GAL
T130P0006C01672	845911	KIMBERLY-CLARK CORP	Industrial	Distillate Oil	1.729	E3GAL
T130P0006C01672	845911	KIMBERLY-CLARK CORP	Industrial	Natural Gas	2714.639	E6FT3
T135P0117C05244	14623211	UNITED ALUMINUM CORP	Industrial	Distillate Oil	0.384	E3GAL

Agency Facility ID (Town Premise and Client IDs)	EIS Facility Identifier	Site Name	Sector	Fuel Type	Fuel Activity	Unit
T135P0117C05244	14623211	UNITED ALUMINUM CORP	Industrial	Natural Gas	21.943	E6FT3
T137P0003C01727	552411	NORWALK HOSPITAL ASSOCIATION	Commercial	Distillate Oil	9.4	E3GAL
T137P0003C01727	552411	NORWALK HOSPITAL ASSOCIATION	Commercial	Natural Gas	343.255	E6FT3
T152P0008C05365	844811	Sonoco Protective Solutions, Inc	Industrial	Distillate Oil	0	E3GAL
T152P0008C05365	844811	Sonoco Protective Solutions, Inc	Industrial	Natural Gas	59.13	E6FT3
T168P0110C04470	2673711	SUPREME LAKE MFG CO	Industrial	-	-	-
T172P0091C08762	588811	PolyOne Designed Structures and Solutions formerly SPARTECH POLYCAST, INC	Industrial	Distillate Oil	0.3246	E3GAL
T172P0091C08762	588811	PolyOne Designed Structures and Solutions formerly SPARTECH POLYCAST, INC	Industrial	Natural Gas	78.137	E6FT3
T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	Industrial	Distillate Oil	16.553	E3GAL
T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	Industrial	Natural Gas	946.251	E6FT3
T178P0167C08768	533411	Total Petrochemical and Refining	Industrial	Natural Gas	7.3	E6FT3
T178P0223C05988	589611	HAMPFORD RESEARCH INC	Industrial	Distillate Oil	1	E3GAL
T178P0223C05988	589611	HAMPFORD RESEARCH INC	Industrial	Natural Gas	0.05	E6FT3
T189P0027C08763	658111	Allnex USA, Inc formerly CYTEC INDUSTRIES INC	Industrial	Distillate Oil	2.0742	E3GAL
T189P0027C08763	658111	Allnex USA, Inc formerly CYTEC INDUSTRIES INC	Industrial	LPG	0.0661	E3GAL
T189P0027C08763	658111	Allnex USA, Inc formerly CYTEC INDUSTRIES INC	Industrial	Natural Gas	343.6122	E6FT3
T189P0027C08840	15588611	Roehm America LLC	Industrial	Distillate Oil	0.2	E3GAL
T189P0027C08840	15588611	Roehm America LLC	Industrial	LPG	11.83	E3GAL
T189P0027C08840	15588611	Roehm America LLC	Industrial	Natural Gas	5.46	E6FT3
T189P0076C06012	2711211	AMETEK SPECIALTY METAL PRODUCT	Industrial	Natural Gas	39.112	E6FT3
T192P0053C08474	555711	SOMERS THIN STRIP	Industrial	Distillate Oil	0.1108	E3GAL
T192P0053C08474	555711	SOMERS THIN STRIP	Industrial	Natural Gas	51.8456	E6FT3
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	Distillate Oil	12.4761	E3GAL
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	LPG	21.069	E3GAL
T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	Industrial	Natural Gas	544.2399	E6FT3

Table H-5: Connecticut Statewide Summary Data for ICI
Industrial and Commercial/Institutional for 2020 Point Reconciliation

Sector	Fuel Type	Total Fuel Use (without Electrical Generation Adjustment)	Unit
Industrial	Distillate fuel oil	142.45	E3GAL
Industrial	Kerosene	0.00	E3GAL
Industrial	LPG	40.51	E3GAL
Industrial	Natural Gas	10,774.66	E6FT3
Industrial	Residual fuel oil	0	E3GAL
Commercial	Distillate fuel oil	477.87	E3GAL
Commercial	Kerosene	0	E3GAL
Commercial	LPG	10.00	E3GAL
Commercial	Natural Gas	6,288.43	E6FT3

Electrical Generation Adjustments were applied to Commercial Sectors only to account for missing 2020 Energy Administration Information activity not reported as point Electrical Generation in the 2020 NEI.

Table H-6: Connecticut Statewide Summary Data for Industrial and Commercial/Institutional for 2020Point Reconciliation with Adjustment for Missing Electrical Generation Activity

Sector	Fuel Type	Adjusted Total Point Reported Fuel Use	Unit	Submitted Total Point Reported Fuel Use	Unit
Industrial	Distillate fuel oil	142.45	E3GAL	3.39	E3BBL
Industrial	Kerosene	0	E3GAL	0	E3BBL
Industrial	LPG	40.51	E3GAL	0.96	E3BBL
Industrial	Natural Gas	10,774.66	E6FT3	10,774.66	E6FT3
Industrial	Residual fuel oil	0	E3GAL	0	E3BBL
Commercial	Distillate fuel oil	23.18	E3GAL	0.55	E3BBL
Commercial	Kerosene	0	E3GAL	0	E3BBL
Commercial	LPG	10.00	E3GAL	0.24	E3BBL
Commercial	Natural Gas	4,194.58	E6FT3	4,194.58	E6FT3

Data available at the time of the 2020 NEI NONPOINT data submittal (Submitted Adjusted Total Point Reported Fuel Use) can differ slightly from latest available data.

Table H-7: Connecticut Summary Data for Industrial and Commercial/Institutional for 2020 Point Reconciliation

Sector Assignment	ICI County Activity Apportionment Percentage
Commercial/Institutional	**Note 1**
Fairfield	22.37%
Hartford	32.70%
Litchfield	5.90%
Middlesex	5.78%
New Haven	18.87%
New London	8.30%
Tolland	2.89%
Windham	3.19%
Commercial/Institutional Total	**100%**
Industrial	**Note 2**
Fairfield	29.10%
Hartford	30.47%
Litchfield	3.10%
Middlesex	3.89%
New Haven	23.30%
New London	6.65%
Tolland	1.70%
Windham	1.79%
Industrial Total	**100%**

Note 1 - Commercial/Institutional fuel combustion apportionment is based on County Business Pattern (CBP) employment data for NAICS “2212//”, ”2213//”, “42----", “44----", “45----", "48----", "49----", "51----", "52----", "53----", "54----", "55----", "56----", "61----", “62----", "71----", “72----", “81----", "92----" and NAICS Like "45?///"; less the employment count for NAICS Like "4862//”. “-“ and “/” are CBP NAICS placeholder wildcards, while “?” is a single character search wildcard for the location in the string the “?” is entered.

Note 2 - Industrial fuel combustion apportionment is based on County Business Pattern (CBP) employment data for NAICS “11----", “21----", “23----", “31----", “32----", and “33----". “-“ is a CBP NAICS placeholder wildcard.

Table H-8: Connecticut 2020 Point Data Associated with SCC 25-01-050-120 Based on EPA's Bulk Terminal SCC Crosswalk

County	Connecticut Facility State Identifier	EIS Facility Identifier	Site Name	Point SCC	Annual Gasoline Throughput [E3GAL]	Total VOC Emissions [TPY]	Total Uncontrolled VOC Emissions [TPY]	Ove Eff
FAIRFIELD	T015P0017P08751	754211	Sprague Operating Resources, LLC	4-06-001-41	219,139.7	7.66	3,482.78	
FAIRFIELD Bulk Terminal and Bulk Plant Total					**219,139.7**	**7.66**	**3,482.78**	
NEW HAVEN	T054P0005P01457	897811	NEW HAVEN TERMINAL, INC	4-06-001-31	0.0	0.00	0.00	
NEW HAVEN	T117P0053P08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-04-001-13	31,813.4	1.08	1.08	
NEW HAVEN	T117P0053P08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-04-001-41	38,290.2	0.60	0.60	
NEW HAVEN	T117P0053P08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-04-001-61	30,849.8	2.71	2.71	
NEW HAVEN	T117P0053P08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-04-001-71	321,037.6	20.31	20.31	
NEW HAVEN	T117P0053P08822	555511	Equilon Enterprises, LLC d/b/a Shell Oil Products US	4-06-001-41	452,856.0	0.59	0.59	
NEW HAVEN	T117P0088P06566	918711	GULF OIL L.P.	4-04-001-10	205,637.9	8.28	8.28	
NEW HAVEN	T117P0088P06566	918711	GULF OIL L.P.	4-04-001-11	225,115.5	20.08	20.08	
NEW HAVEN	T117P0088P06566	918711	GULF OIL L.P.	4-06-001-41	363,993.3	21.31	1,432.51	
NEW HAVEN	T117P0212P08494	844411	Buckeye PT Terminals, L.P. (Forbes Terminal)	4-04-001-62	136,336.8	26.85	26.85	
NEW HAVEN	T117P0212P08494	844411	Buckeye PT Terminals, L.P. (Forbes Terminal)	4-06-001-41	116,841.3	1.59	305.93	
NEW HAVEN	T117P0519P08494	843211	Buckeye PT Terminals, L.P. (Waterfront Terminal)	4-04-001-62	349,651.2	41.74	41.74	
NEW HAVEN	T117P0519P08494	843211	Buckeye PT Terminals, L.P. (Waterfront Terminal)	4-06-001-41	462,660.8	12.35	1,134.82	
NEW HAVEN Bulk Terminal and Bulk Plant Total					**2,735,083.8**	**157.49**	**2,995.51**	
Statewide Bulk Terminal and Bulk Plant Total					**2,954,223.6**	**165.15**	**6,478.29**	

Table H-9: Connecticut Nonpoint Estimate (Facilites Missing from Reported 2020 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 / Data Source ‡	Annual VOC Emissions [TPY] Submitted to EIS
Fairfield	15	149	GLOBAL COMPANIES, LLC	2020 GPLPE Total Latest Rev VOC 0.633 TPY	0.691
Hartford	207	9	BUCKEYE PIPELINE HOLDINGS	2005	1.94
Hartford	155	4	CITGO PETROLEUM CORP	2014	21.58
Hartford Total					23.52
New Haven	117	35	MAGELLAN ENERGY VENTURES INC	2000	-
New Haven	117	43	LEX ATLANTIC /GATEWAY TERMINAL	2020 GPLPE Total Latest Rev VOC 1.66 TPY	1.81
New Haven	117	87	GETTY PETROLEUM MARKETING INC	2015	-
New Haven	117	781	BUCKEYE PIPELINE CO	1990	-
New Haven Total					1.81
New London	70	6	Buckeye Terminals, LLC	2019 GPLPE Total Latest Rev VOC 6.502 TPY	6.37
Statewide Bulk Terminal and Bulk Plant Total					**32.391**

‡Annual 2019 / 2020 VOC emissions reported as part of synthetic minor site wide reporting (GPLPE reporting) were available for three facilities listed above, where other data corresponds to the latest emission statement reporting period in EMIT synthetic minor (GPLPE) compliance reporting does not require summer day emissions reporting. The EMIT synthetic minor GPLPE reported data (Latest Rev VOC) slightly deviated from the data submitted to EIS (last column in the above table). The EIS submitted data is used in this report, but the values shown above show more significant digits than used in this document.

Table H-10: Connecticut Reported 2020 Uncontrolled Solvent Related Point Emission Data by County, EIS Facility Identifier, and Point SCC

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	EIS Emission Process Identifier	Point SCC	Point Reported Controlled VOC Emissions (TPY)	Point Reported Uncontrolled VOC Emissions (TPY)	Overall Control Efficiency (%)	Uncontrolled Multiplier Factor
Fairfield	T178P0223C05988	589611	HAMPFORD RESEARCH INC	158330814	4-02-009-30	0	0		1
Fairfield	T178P0167C08768	533411	Total Petrochemical and Refining	187143114	4-01-002-01	0	0		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	140179414	4-02-024-01	0.037	0.037		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	140179714	4-01-003-99	0.101	0.101		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	47350114	4-02-024-01	0.359	0.359		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	47351714	4-02-024-01	0.087	0.087		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	47351914	4-02-024-01	2.560	2.560		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	47352014	4-02-024-01	0.056	0.056		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	47352414	4-02-024-01	0.274	0.274		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	47352514	4-02-024-01	0.360	0.360		1
Fairfield	T178P0005C08785	642511	SIKORSKY AIRCRAFT CORPORATION	47352614	4-02-024-99	1.023	1.023		1
Fairfield	T172P0091C08762	588811	Spartech, LLC	48214214	4-02-022-01	0.022	0.442	94.98	19.920
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	140165514	4-02-019-99	0.002	0.002		1
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	140165714	4-01-003-99	0.003	0.160	98	50
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421314	4-02-019-01	1.887	1.887		1
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421414	4-02-019-01	0	0		1
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421514	4-02-019-01	1.183	1.183		1
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421614	4-02-019-01	0	0		1
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421714	4-02-019-01	1.803	1.803		1
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421814	4-02-019-01	2.163	2.163		1
Fairfield	T044P0226C03050	2722211	KINGSWOOD KITCHENS INC	47421914	4-02-019-01	0	0		1
Fairfield	T044P0039C06578	17997311	Tilcon Connecticut Inc. - Danbury	187142614	4-01-003-99	0	0		1
Fairfield	T015P0862C06859	754511	BRIDGEPORT ENERGY LLC	215214214	4-01-003-03	0.020	0.020		1
Fairfield	T015P0017C08751	754211	Sprague Operating Resources, LLC	140148514	4-90-999-98	0	0		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	177346414	4-02-024-99	1.181	1.181		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	177346614	4-01-002-15	0.905	0.905		1

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	EIS Emission Process Identifier	Point SCC	Point Reported Controlled VOC Emissions (TPY)	Point Reported Uncontrolled VOC Emissions (TPY)	Overall Control Efficiency (%)	Uncontrolled Multiplier Factor
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48397814	4-02-024-01	0.000	0.000		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48397914	4-02-024-99	0.404	0.404		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48398014	4-02-024-01	0.015	0.015		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48400014	4-02-024-01	0.063	0.063		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48400614	4-02-009-12	3.858	3.858		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48560714	4-02-009-17	0.121	0.121		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48560914	4-02-009-22	0.204	0.204		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48561014	4-02-009-18	0.291	0.291		1
Hartford	T213P0002C00130	753011	HAMILTON SUNDSTRAND CORP	48561114	4-02-009-20	8.023	8.023		1
Hartford	T168P0110C04470	2673711	SUPREME LAKE MFG CO	120546714	4-01-002-04	0	0		1
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	140175214	4-01-003-99	0	0		1
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	140175514	4-02-018-99	0.037	0.037		1
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	140176414	4-05-003-01	0.032	0.032		1
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	154638714	4-02-018-05	0	0		1
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	47427014	4-02-018-99	17.865	17.865		1
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	47427114	4-02-018-99	3.920	3.920		1
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	47427214	4-02-018-99	17.531	17.531		1
Hartford	T110P0282C00110	918811	STANLEY TOOLS DIV	47427414	4-02-018-06	11.160	11.160		1
Hartford	T097P0225C00197	14622811	Manchester Landfill Premises	120541314	4-90-999-98	0.001	0.001		1
Hartford	T097P0225C00197	14622811	Manchester Landfill Premises	120541514	4-90-999-98	0	0		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	140164914	4-01-003-03	0	0		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	140165014	4-02-024-99	0.034	0.034		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	140165314	4-02-024-99	0.001	0.001		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	151858214	4-02-024-99	0	0		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	158326614	4-02-024-99	0.001	0.001		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	158326714	4-02-024-99	0.000	0.000		1

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	EIS Emission Process Identifier	Point SCC	Point Reported Controlled VOC Emissions (TPY)	Point Reported Uncontrolled VOC Emissions (TPY)	Overall Control Efficiency (%)	Uncontrolled Multiplier Factor
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	187143414	4-02-001-01	0.009	0.009		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535114	4-02-001-01	0.016	0.016		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535314	4-02-024-01	0.010	0.010		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535414	4-02-024-01	0.003	0.003		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47535514	4-02-024-01	0	0		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47536214	4-02-024-01	0.013	0.013		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47536814	4-02-009-01	0.038	0.038		1
Hartford	T053P0009C00130	2673411	PRATT & WHITNEY DIV UTC	47537314	4-01-003-07	4.930	4.930		1
Hartford	T026P0202C06590	588711	COVANTA BRISTOL, INC	215322114	4-01-002-95	0.003	0.003		1
Litchfield	T130P0006C01672	845911	KIMBERLY-CLARK CORP	48958814	4-01-003-03	0.196	0.196		1
Litchfield	T130P0006C01672	845911	KIMBERLY-CLARK CORP	48959014	4-05-888-01	0.002	0.002		1
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	140160714	4-02-024-01	0.021	0.021		1
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	201595814	4-02-024-01	0.081	0.081		1
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	48691814	4-02-025-01	5.400	5.400		1
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	48742914	4-02-024-01	0.017	0.017		1
Middlesex	T104P0007C00130	920511	PRATT & WHITNEY DIV UTC	48744414	4-02-024-01	0.009	0.009		1
New Haven	T192P0053C08474	555711	SOMERS THIN STRIP	140178414	4-01-002-04				1
New Haven	T192P0053C08474	555711	SOMERS THIN STRIP	140178714	4-01-002-54	0	0		1
New Haven	T192P0053C08474	555711	SOMERS THIN STRIP	177346714	4-02-009-10	2.735	2.735		1
New Haven	T192P0053C08474	555711	SOMERS THIN STRIP	48171614	4-02-009-14	0.448	0.448		1
New Haven	T189P0076C06012	2711211	AMETEK SPECIALTY METAL PRODUCT	120554614	4-01-002-25	4.060	4.060		1
New Haven	T189P0076C06012	2711211	AMETEK SPECIALTY METAL PRODUCT	120554714	4-01-002-25	0	0		1
New Haven	T135P0117C05244	14623211	UNITED ALUMINUM CORP	180559914	4-01-002-95	0.763	0.763		1
New Haven	T117P0049C00205	898111	YALE UNIV, SCHOOL OF MEDICINE	140169614	4-02-001-10	0	0		1
New London	T199P0003C08003	590111	Millstone Power Station	140173414	4-01-002-96	0	0		1
New London	T150P0012C06032	754611	COVANTA SOUTHEASTERN CT CO	201595514	4-01-002-99	0.000	0.000		1

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	EIS Emission Process Identifier	Point SCC	Point Reported Controlled VOC Emissions (TPY)	Point Reported Uncontrolled VOC Emissions (TPY)	Overall Control Efficiency (%)	Uncontrolled Multiplier Factor
New London	T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	151858914	4-01-888-98	1.176	1.176		1
New London	T092P0002C08497	15588411	AMERICAS STYRENICS, LLC	177352014	4-01-003-99	0.023	0.023		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140157614	4-02-006-01	0.031	0.031		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140157814	4-02-001-01	0.021	0.021		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140157914	4-02-009-30	0.001	0.001		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158014	4-02-001-01	0	0		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158114	4-01-003-99	0	0		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158214	4-02-001-10	0.208	0.208		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158314	4-02-001-01	0	0		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158514	4-02-001-10	0.536	0.536		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158614	4-01-003-05	0	0		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	140158714	4-02-008-01	0	0		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	151858414	4-02-006-01	0	0		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	48110814	4-02-009-20	0	0		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	48110914	4-02-009-10	0	0		1
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	48111014	4-02-005-01	0	0		1

County	EIS State Facility Identifier	EIS Facility Identifier	Site Name	EIS Emission Process Identifier	Point SCC	Point Reported Controlled VOC Emissions (TPY)	Point Reported Uncontrolled VOC Emissions (TPY)	Overall Control Efficiency (%)	Uncontrolled Multiplier Factor
New London	T070P0028C00800	2661611	U S NAVAL SUBMARINE BASE NEW LONDON	48112214	4-02-009-24	0	0		1
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	140152214	4-02-001-10	0	0		1
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	140153314	4-02-007-10	0	0		1
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	177350214	4-01-003-99	0	0		1
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	187145014	4-02-001-10	17.907	17.907		1
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	48114814	4-02-001-10	0	0		1
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	48115014	4-02-025-42	0	0		1
New London	T070P0005C00046	922211	ELECTRIC BOAT CORP	48259314	4-02-001-10	0	0		1
Windham	T089P0065C07514	2765911	FRITO-LAY INC	48331414	4-01-003-03	0.020	0.020		1

Table H-11: Connecticut Reported 2020 Uncontrolled Solvent Related Point Emission Data by EPA's Solvent Crosswalk PEI Section Heading, Nonpoint SCC Description, and Point SCC

PEI Section Heading	Nonpoint Description	Nonpoint SCC	County	Point SCC	Sum of Point Reported Uncontrolled VOC Emissions (TPY)
Solvent - Consumer & Commercial Solvent Use	All Adhesives and Sealants	24-60-600-000	New London	4-02-007-10	0
Solvent – Degreasing	Degreasing	24-15-000-000	Fairfield	4-01-002-01	0
Solvent – Degreasing	Degreasing	24-15-000-000	Fairfield	4-01-003-03	0.02
Solvent – Degreasing	Degreasing	24-15-000-000	Fairfield	4-01-003-99	0.10
Solvent – Degreasing	Degreasing	24-15-000-000	Fairfield	4-01-003-99	0
Solvent – Degreasing	Degreasing	24-15-000-000	Fairfield	4-01-003-99	0.16
Solvent – Degreasing	Degreasing	24-15-000-000	Hartford	4-01-002-04	0
Solvent – Degreasing	Degreasing	24-15-000-000	Hartford	4-01-002-15	0.90
Solvent – Degreasing	Degreasing	24-15-000-000	Hartford	4-01-002-95	0.00
Solvent – Degreasing	Degreasing	24-15-000-000	Hartford	4-01-003-03	0
Solvent – Degreasing	Degreasing	24-15-000-000	Hartford	4-01-003-07	4.93
Solvent – Degreasing	Degreasing	24-15-000-000	Hartford	4-01-003-99	0
Solvent – Degreasing	Degreasing	24-15-000-000	Hartford	4-02-018-05	0
Solvent – Degreasing	Degreasing	24-15-000-000	Litchfield	4-01-003-03	0.20
Solvent – Degreasing	Degreasing	24-15-000-000	New Haven	4-01-002-04	0.00
Solvent – Degreasing	Degreasing	24-15-000-000	New Haven	4-01-002-25	4.06
Solvent – Degreasing	Degreasing	24-15-000-000	New Haven	4-01-002-25	0
Solvent – Degreasing	Degreasing	24-15-000-000	New Haven	4-01-002-54	0
Solvent – Degreasing	Degreasing	24-15-000-000	New Haven	4-01-002-95	0.76
Solvent – Degreasing	Degreasing	24-15-000-000	New London	4-01-002-96	0
Solvent – Degreasing	Degreasing	24-15-000-000	New London	4-01-002-99	0.00
Solvent – Degreasing	Degreasing	24-15-000-000	New London	4-01-003-05	0
Solvent – Degreasing	Degreasing	24-15-000-000	New London	4-01-003-99	0.02
Solvent – Degreasing	Degreasing	24-15-000-000	New London	4-01-003-99	0
Solvent – Degreasing	Degreasing	24-15-000-000	New London	4-01-003-99	0
Solvent – Degreasing	Degreasing	24-15-000-000	Windham	4-01-003-03	0.02

PEI Section Heading	Nonpoint Description	Nonpoint SCC	County	Point SCC	Sum of Point Reported Uncontrolled VOC Emissions (TPY)
Solvent – Graphic Arts	Graphic Arts	24-25-000-000	Hartford	4-05-003-01	0.03
Solvent – Graphic Arts	Graphic Arts	24-25-000-000	Litchfield	4-05-888-01	0.00
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	4-02-019-01	0
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	4-02-019-01	0
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	4-02-019-01	1.80
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	4-02-019-01	0
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	4-02-019-01	2.16
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	4-02-019-01	1.18
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	4-02-019-01	1.89
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	4-02-019-99	0.00
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	Hartford	4-02-018-06	11.16
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	Hartford	4-02-018-99	0.04
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	Hartford	4-02-018-99	3.92
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	Hartford	4-02-018-99	17.53
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	Hartford	4-02-018-99	17.87
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	Middlesex	4-02-025-01	5.40
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	New London	4-02-008-01	0
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	New London	4-02-025-42	0
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4-02-024-01	0.27
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4-02-024-01	0.06
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4-02-024-01	2.56
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4-02-024-01	0.09
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4-02-024-01	0.36
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4-02-024-01	0.04
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4-02-024-01	0.36
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4-02-024-99	1.02
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-01	0.01

PEI Section Heading	Nonpoint Description	Nonpoint SCC	County	Point SCC	Sum of Point Reported Uncontrolled VOC Emissions (TPY)
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-01	0
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-01	0.00
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-01	0.01
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-01	0.00
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-01	0.01
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-01	0.06
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-99	0.40
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-99	1.18
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-99	0.03
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-99	0.00
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-99	0
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-99	0.00
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	4-02-024-99	0.00
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Middlesex	4-02-024-01	0.02
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Middlesex	4-02-024-01	0.01
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Middlesex	4-02-024-01	0.08
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Middlesex	4-02-024-01	0.02
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Fairfield	4-02-009-30	0
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Fairfield	4-02-022-01	0.44
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Fairfield	4-90-999-98	0
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-01	0.04
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-12	3.86
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-17	0.12
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-18	0.29
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-20	8.02
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	4-02-009-22	0.20
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	4-90-999-98	0.00

PEI Section Heading	Nonpoint Description	Nonpoint SCC	County	Point SCC	Sum of Point Reported Uncontrolled VOC Emissions (TPY)
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	4-90-999-98	0
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New Haven	4-02-009-10	2.74
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New Haven	4-02-009-14	0.45
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New London	4-01-888-98	1.18
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New London	4-02-009-10	0
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New London	4-02-009-20	0
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New London	4-02-009-24	0
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New London	4-02-009-30	0.00
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	Hartford	4-02-001-01	0.01
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	Hartford	4-02-001-01	0.02
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New Haven	4-02-001-10	0
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-01	0
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-01	0.02
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-01	0
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-10	17.91
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-10	0.54
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-10	0.21
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-10	0
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-10	0
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-001-10	0
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-005-01	0
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-006-01	0
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	4-02-006-01	0.03

Table H-12: Connecticut Reported 2020 Uncontrolled Solvent Related Point Emission Data by EPA's Solvent Crosswalk PEI Section Heading, Nonpoint SCC Description and County

PEI Section Heading	Nonpoint SCC Description	Nonpoint SCC	County	Sum of Reported Uncontrolled VOC Emissions (TPY)
Solvent – Degreasing	Degreasing	24-15-000-000	Fairfield	0.28
Solvent – Degreasing	Degreasing	24-15-000-000	Hartford	5.84
Solvent – Degreasing	Degreasing	24-15-000-000	Litchfield	0.20
Solvent – Degreasing	Degreasing	24-15-000-000	New Haven	4.82
Solvent – Degreasing	Degreasing	24-15-000-000	New London	0.02
Solvent – Degreasing	Degreasing	24-15-000-000	Windham	0.02
Solvent – Graphic Arts	Graphic Arts	24-25-000-000	Hartford	0.03
Solvent – Graphic Arts	Graphic Arts	24-25-000-000	Litchfield	0.00
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Fairfield	4.75
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Hartford	1.73
Solvent – Industrial Surface Coating & Solvent Use	Aircraft	24-01-075-000	Middlesex	0.13
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	Hartford	50.51
Solvent – Industrial Surface Coating & Solvent Use	Machinery and Equipment	24-01-055-000	Middlesex	5.40
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Fairfield	0.44
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	Hartford	12.53
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New Haven	3.18
Solvent – Industrial Surface Coating & Solvent Use	Misc. Manufacturing	24-01-090-000	New London	1.18
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	Hartford	0.03
Solvent – Industrial Surface Coating & Solvent Use	Other Special Purpose Coatings	24-01-200-000	New London	18.70
Solvent – Industrial Surface Coating & Solvent Use	Wood Furniture	24-01-020-000	Fairfield	7.04

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
23-10-000-551	All Processes	Produced Water from CBM Wells
23-10-000-552	All Processes	Produced Water from Gas Wells
23-10-000-553	All Processes	Produced Water from Oil Wells
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
23-10-011-001	On-Shore Oil Production	Associated Gas Venting
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
23-10-011-600	On-Shore Oil Production	Artificial Lift Engines
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
23-10-021-801	On-Shore Gas Production	Pipeline Blowdowns and Pigging
23-10-023-102	Coal Bed Methane Natural Gas	CBM Fired 2Cycle Lean Burn Compressor Engines 50 To 499 HP

Source Classification Code	Description	
	SCC Level Three	SCC Level Four
23-10-023-202	Coal Bed Methane Natural Gas	CBM Fired 4Cycle Lean Burn Compressor Engines 50 To 499 HP
23-10-023-300	Coal Bed Methane Natural Gas	Pneumatic Devices
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
23-10-023-511	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
23-10-111-100	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: 2020 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	5.5	1.7	0.8	0.5	0.3	0.1	0.0005
Hartford	0.1	8.0	2.5	1.2	0.8	0.4	0.1	0.0008
Litchfield	0.0	1.4	0.5	0.2	0.1	0.1	0.0	0.0001
Middlesex	0.0	1.4	0.4	0.2	0.1	0.1	0.0	0.0001
New Haven	0.1	4.6	1.4	0.7	0.4	0.2	0.1	0.0004
New London	0.0	2.0	0.6	0.3	0.2	0.1	0.0	0.0002
Tolland	0.0	0.7	0.2	0.1	0.1	0.0	0.0	0.0001
Windham	0.0	0.8	0.2	0.1	0.1	0.0	0.0	0.0001
SCC State Total	**0.3**	**24.4**	**7.5**	**3.6**	**2.3**	**1.2**	**0.3**	**0.0023**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.6	23.0	4.9	1.7	1.6	0.0	1.5	0.0098
Hartford	2.3	33.6	7.2	2.4	2.3	0.0	2.2	0.0143
Litchfield	0.4	6.1	1.3	0.4	0.4	0.0	0.4	0.0026
Middlesex	0.4	5.9	1.3	0.4	0.4	0.0	0.4	0.0025
New Haven	1.3	19.4	4.2	1.4	1.3	0.0	1.3	0.0083
New London	0.6	8.5	1.8	0.6	0.6	0.0	0.6	0.0036
Tolland	0.2	3.0	0.6	0.2	0.2	0.0	0.2	0.0013
Windham	0.2	3.3	0.7	0.2	0.2	0.0	0.2	0.0014
SCC State Total	**7**	**102.8**	**22**	**7.3**	**7**	**0**	**6.8**	**0.0438**

SCC: 21-03-004-001 Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers
Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.3	59.0	18.4	8.8	7.9	3.0	0.8	0.0045
Hartford	1.3	61.8	19.3	9.2	8.2	3.1	0.8	0.0048
Litchfield	0.1	6.3	2.0	0.9	0.8	0.3	0.1	0.0005
Middlesex	0.2	7.9	2.5	1.2	1.0	0.4	0.1	0.0006
New Haven	1.0	47.3	14.8	7.0	6.3	2.4	0.6	0.0036
New London	0.3	13.5	4.2	2.0	1.8	0.7	0.2	0.0010
Tolland	0.1	3.4	1.1	0.5	0.5	0.2	0.0	0.0003
Windham	0.1	3.6	1.1	0.5	0.5	0.2	0.0	0.0003
SCC State Total	**4.4**	**202.8**	**63.4**	**30.1**	**27**	**10.3**	**2.6**	**0.0156**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	8.2	117.3	25.2	8.4	8.4	0.2	7.7	0
Hartford	8.5	122.8	26.4	8.8	8.8	0.2	8.1	0
Litchfield	0.9	12.5	2.7	0.9	0.9	0.0	0.8	0
Middlesex	1.1	15.7	3.4	1.1	1.1	0.0	1.0	0
New Haven	6.5	93.9	20.2	6.8	6.8	0.1	6.2	0
New London	1.9	26.8	5.8	1.9	1.9	0.0	1.8	0
Tolland	0.5	6.8	1.5	0.5	0.5	0.0	0.5	0
Windham	0.5	7.2	1.6	0.5	0.5	0.0	0.5	0
SCC State Total	**28.1**	**403**	**86.8**	**28.9**	**28.9**	**0.5**	**26.6**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: **21-03-005-000** Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types
Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	3.7	0.3	0.3	0.2	0.1	3.2	0.0001
Hartford	0.1	3.9	0.4	0.4	0.2	0.1	3.3	0.0001
Litchfield	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0000
Middlesex	0.0	0.5	0.0	0.0	0.0	0.0	0.4	0.0000
New Haven	0.1	3.0	0.3	0.3	0.2	0.0	2.5	0.0001
New London	0.0	0.8	0.1	0.1	0.0	0.0	0.7	0.0000
Tolland	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0000
Windham	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0000
SCC State Total	**0.3**	**12.7**	**1.1**	**1.1**	**0.6**	**0.2**	**10.8**	**0.0003**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	6.9	124.8	104.8	0.6	0.5	4.0	0.7	0.0006
Hartford	10.0	182.5	153.3	0.9	0.8	5.8	1.1	0.0009
Litchfield	1.8	32.9	27.6	0.2	0.1	1.1	0.2	0.0002
Middlesex	1.8	32.2	27.1	0.2	0.1	1.0	0.2	0.0002
New Haven	5.8	105.3	88.5	0.5	0.5	3.4	0.6	0.0005
New London	2.5	46.3	38.9	0.2	0.2	1.5	0.3	0.0002
Tolland	0.9	16.1	13.5	0.1	0.1	0.5	0.1	0.0001
Windham	1.0	17.8	14.9	0.1	0.1	0.6	0.1	0.0001
SCC State Total	**30.7**	**557.9**	**468.6**	**2.8**	**2.4**	**17.9**	**3.3**	**0.0028**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	38.6	702.6	590.2	3.7	3.0	3.4	4.2	0.0035
Hartford	40.5	735.7	618.0	3.8	3.2	3.6	4.4	0.0037
Litchfield	4.1	74.8	62.8	0.4	0.3	0.4	0.4	0.0004
Middlesex	5.2	93.9	78.9	0.5	0.4	0.5	0.6	0.0005
New Haven	30.9	562.7	472.7	2.9	2.4	2.8	3.4	0.0028
New London	8.8	160.5	134.8	0.8	0.7	0.8	1.0	0.0008
Tolland	2.3	41.0	34.5	0.2	0.2	0.2	0.2	0.0002
Windham	2.4	43.2	36.3	0.2	0.2	0.2	0.3	0.0002
SCC State Total	**132.8**	**2414.4**	**2028.2**	**12.5**	**10.4**	**11.9**	**14.5**	**0.0121**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.2	6.2	3.5	0.0	0.0	0.1	0.0	0
Hartford	0.3	9.0	5.1	0.0	0.0	0.2	0.0	0
Litchfield	0.1	1.6	0.9	0.0	0.0	0.0	0.0	0
Middlesex	0.1	1.6	0.9	0.0	0.0	0.0	0.0	0
New Haven	0.2	5.2	2.9	0.0	0.0	0.1	0.0	0
New London	0.1	2.3	1.3	0.0	0.0	0.0	0.0	0
Tolland	0.0	0.8	0.4	0.0	0.0	0.0	0.0	0
Windham	0.0	0.9	0.5	0.0	0.0	0.0	0.0	0
SCC State Total	**1**	**27.6**	**15.5**	**0**	**0**	**0.4**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.4	64.4	36.1	0.2	0.2	0.2	0.3	0.0002
Hartford	2.5	67.5	37.8	0.2	0.2	0.2	0.3	0.0002
Litchfield	0.3	6.9	3.8	0.0	0.0	0.0	0.0	0.0000
Middlesex	0.3	8.6	4.8	0.0	0.0	0.0	0.0	0.0000
New Haven	1.9	51.6	28.9	0.2	0.1	0.2	0.2	0.0002
New London	0.5	14.7	8.2	0.1	0.0	0.1	0.1	0.0000
Tolland	0.1	3.8	2.1	0.0	0.0	0.0	0.0	0.0000
Windham	0.1	4.0	2.2	0.0	0.0	0.0	0.0	0.0000
SCC State Total	**8.1**	**221.5**	**123.9**	**0.7**	**0.5**	**0.7**	**0.9**	**0.0006**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	6.6	85.9	234.3	201.9	174.5	2.7	9.8	0
Hartford	9.7	125.6	342.6	295.2	255.2	4.0	14.3	0
Litchfield	1.7	22.6	61.8	53.2	46.0	0.7	2.6	0
Middlesex	1.7	22.2	60.5	52.1	45.1	0.7	2.5	0
New Haven	5.6	72.5	197.7	170.3	147.3	2.3	8.2	0
New London	2.5	31.9	86.9	74.9	64.8	1.0	3.6	0
Tolland	0.9	11.1	30.2	26.1	22.5	0.4	1.3	0
Windham	0.9	12.2	33.4	28.8	24.9	0.4	1.4	0
SCC State Total	**29.6**	**384**	**1047.4**	**902.5**	**780.3**	**12.2**	**43.7**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.3	29.9	81.5	70.2	60.7	0.7	3.4	0
Hartford	2.4	31.3	85.3	73.5	63.5	0.7	3.6	0
Litchfield	0.2	3.2	8.7	7.5	6.5	0.1	0.4	0
Middlesex	0.3	4.0	10.9	9.4	8.1	0.1	0.5	0
New Haven	1.8	23.9	65.2	56.2	48.6	0.5	2.7	0
New London	0.5	6.8	18.6	16.0	13.9	0.2	0.8	0
Tolland	0.1	1.7	4.8	4.1	3.5	0.0	0.2	0
Windham	0.1	1.8	5.0	4.3	3.7	0.0	0.2	0
SCC State Total	**7.7**	**102.6**	**280**	**241.2**	**208.5**	**2.3**	**11.8**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.0	1.7	0.4	0.2	0.1	0.1	0.0	0.0001
Hartford	0.0	2.5	0.6	0.3	0.2	0.1	0.0	0.0002
Litchfield	0.0	0.5	0.1	0.1	0.0	0.0	0.0	0.0000
Middlesex	0.0	0.4	0.1	0.1	0.0	0.0	0.0	0.0000
New Haven	0.0	1.5	0.4	0.2	0.1	0.1	0.0	0.0001
New London	0.0	0.6	0.2	0.1	0.0	0.0	0.0	0.0000
Tolland	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0000
Windham	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0000
SCC State Total	**0**	**7.6**	**2**	**1**	**0.4**	**0.3**	**0.1**	**0.0004**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.0	0.5	0.1	0.1	0.1	0.0	0.0	0.0000
Hartford	0.0	0.5	0.1	0.1	0.1	0.0	0.0	0.0000
Litchfield	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0000
Middlesex	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0000
New Haven	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0000
New London	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0000
Tolland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
Windham	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000
SCC State Total	**0**	**1.7**	**0.3**	**0.2**	**0.2**	**0**	**0.02**	**0**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	27.6	605.4	193.3	92.0	82.3	38.7	8.2	0.0489
Hartford	23.9	524.3	167.4	79.7	71.3	33.5	7.1	0.0423
Litchfield	9.4	205.5	65.6	31.2	28.0	13.1	2.8	0.0166
Middlesex	8.2	180.7	57.7	27.5	24.6	11.5	2.5	0.0146
New Haven	26.1	572.5	182.8	87.0	77.9	36.6	7.8	0.0462
New London	13.0	284.7	90.9	43.3	38.7	18.2	3.9	0.0230
Tolland	6.9	151.4	48.3	23.0	20.6	9.7	2.1	0.0122
Windham	5.8	127.8	40.8	19.4	17.4	8.2	1.7	0.0103
SCC State Total	**120.9**	**2652.3**	**846.8**	**403.1**	**360.8**	**169.5**	**36.1**	**0.2141**

Subpart 4.1.3.3: Residential Residual Oil Combustion

(SCC 21-04-005-000 retired and not replaced)

SCC: **21-04-005-000** Stationary Source Fuel Combustion - Residential - Residual Oil - Total: All Combustor Types
Sector: Fuel Comb - Residential - Oil

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.1.3.4: 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	37.9	647.2	275.4	3.6	3.0	137.7	4.1	0
Hartford	46.5	794.4	338.1	4.4	3.6	169.0	5.1	0
Litchfield	2.9	49.3	21.0	0.3	0.2	10.5	0.3	0
Middlesex	2.8	48.3	20.6	0.3	0.2	10.3	0.3	0
New Haven	36.3	619.6	263.7	3.4	2.8	131.8	4.0	0
New London	4.2	71.8	30.6	0.4	0.3	15.3	0.5	0
Tolland	2.2	37.2	15.8	0.2	0.2	7.9	0.2	0
Windham	1.2	21.1	9.0	0.1	0.1	4.5	0.1	0
SCC State Total	**134**	**2288.9**	**974.2**	**12.7**	**10.4**	**487**	**14.6**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	5.3	136.3	38.7	0.5	0.4	0.5	0.6	0
Hartford	4.3	110.2	31.2	0.4	0.3	0.4	0.5	0
Litchfield	1.8	46.5	13.2	0.2	0.1	0.2	0.2	0
Middlesex	1.6	41.3	11.7	0.2	0.1	0.1	0.2	0
New Haven	4.1	105.7	30.0	0.4	0.3	0.4	0.4	0
New London	2.7	68.6	19.5	0.3	0.2	0.2	0.3	0
Tolland	1.6	41.6	11.8	0.2	0.1	0.1	0.2	0
Windham	1.0	25.1	7.1	0.1	0.1	0.1	0.1	0
SCC State Total	**22.4**	**575.3**	**163.2**	**2.3**	**1.6**	**2**	**2.5**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	106.3	14.6	837.8	132.7	132.7	10.1	2.2	0
Hartford	128.0	17.6	1009.5	159.9	159.9	12.2	2.7	0
Litchfield	40.2	5.5	316.8	50.2	50.2	3.8	0.9	0
Middlesex	27.2	3.7	214.1	33.9	33.9	2.6	0.6	0
New Haven	95.0	13.1	748.9	118.6	118.6	9.0	2.0	0
New London	40.4	5.6	318.8	50.5	50.5	3.9	0.9	0
Tolland	26.0	3.6	205.0	32.5	32.5	2.5	0.6	0
Windham	21.2	2.9	167.3	26.5	26.5	2.0	0.4	0
SCC State Total	**484.3**	**66.6**	**3818.2**	**604.8**	**604.8**	**46.1**	**10.3**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	65.0	3.4	283.2	37.6	37.6	2.1	0.5	0
Hartford	67.5	3.6	293.8	39.0	39.0	2.2	0.5	0
Litchfield	35.7	1.9	155.6	20.6	20.6	1.1	0.3	0
Middlesex	24.4	1.3	106.1	14.1	14.1	0.8	0.2	0
New Haven	57.6	3.0	250.9	33.3	33.3	1.8	0.4	0
New London	34.8	1.8	151.5	20.1	20.1	1.1	0.3	0
Tolland	24.8	1.3	107.8	14.3	14.3	0.8	0.2	0
Windham	20.0	1.1	87.1	11.5	11.5	0.6	0.2	0
SCC State Total	**329.8**	**17.4**	**1436**	**190.5**	**190.5**	**10.5**	**2.6**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	46.0	6.5	470.2	56.0	56.0	2.6	1.5	0
Hartford	47.7	6.7	487.7	58.1	58.1	2.6	1.6	0
Litchfield	25.3	3.6	258.3	30.8	30.8	1.4	0.8	0
Middlesex	17.2	2.4	176.1	21.0	21.0	1.0	0.6	0
New Haven	40.8	5.7	416.6	49.6	49.6	2.3	1.4	0
New London	24.6	3.5	251.5	29.9	29.9	1.4	0.8	0
Tolland	17.5	2.5	179.0	21.3	21.3	1.0	0.6	0
Windham	14.1	2.0	144.5	17.2	17.2	0.8	0.5	0
SCC State Total	**233.2**	**32.9**	**2383.9**	**283.9**	**283.9**	**13.1**	**7.8**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	39.1	5.2	240.7	42.2	42.2	1.7	1.0	0
Hartford	40.6	5.4	249.7	43.8	43.8	1.8	1.1	0
Litchfield	21.5	2.9	132.2	23.2	23.2	1.0	0.6	0
Middlesex	14.7	2.0	90.2	15.8	15.8	0.7	0.4	0
New Haven	34.7	4.6	213.3	37.4	37.4	1.5	0.9	0
New London	20.9	2.8	128.7	22.6	22.6	0.9	0.6	0
Tolland	14.9	2.0	91.6	16.1	16.1	0.7	0.4	0
Windham	12.0	1.6	74.0	13.0	13.0	0.5	0.3	0
SCC State Total	**198.4**	**26.5**	**1220.4**	**214.1**	**214.1**	**8.8**	**5.3**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	152.2	8.0	662.8	87.9	87.9	4.9	1.1	0
Hartford	146.3	7.7	637.3	84.5	84.5	4.7	1.1	0
Litchfield	108.0	5.7	470.3	62.4	62.4	3.5	0.8	0
Middlesex	66.9	3.5	291.2	38.6	38.6	2.1	0.5	0
New Haven	136.0	7.2	592.0	78.5	78.5	4.4	1.0	0
New London	103.5	5.5	450.7	59.8	59.8	3.3	0.8	0
Tolland	66.4	3.5	289.4	38.4	38.4	2.1	0.5	0
Windham	59.9	3.2	261.0	34.6	34.6	1.9	0.5	0
SCC State Total	**839.2**	**44.3**	**3654.7**	**484.7**	**484.7**	**26.9**	**6.3**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	107.7	15.1	1100.3	131.0	131.0	6.0	3.6	0
Hartford	103.5	14.6	1057.9	126.0	126.0	5.7	3.5	0
Litchfield	76.4	10.7	780.7	93.0	93.0	4.2	2.5	0
Middlesex	47.3	6.6	483.3	57.6	57.6	2.6	1.6	0
New Haven	96.2	13.5	982.8	117.0	117.0	5.3	3.2	0
New London	73.2	10.3	748.2	89.1	89.1	4.1	2.4	0
Tolland	47.0	6.6	480.3	57.2	57.2	2.6	1.6	0
Windham	42.4	6.0	433.2	51.6	51.6	2.4	1.4	0
SCC State Total	**593.7**	**83.4**	**6066.7**	**722.5**	**722.5**	**32.9**	**19.8**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	91.5	12.2	563.3	98.9	98.9	4.1	2.4	0
Hartford	88.0	11.7	541.6	95.1	95.1	3.9	2.3	0
Litchfield	65.0	8.7	399.7	70.2	70.2	2.9	1.7	0
Middlesex	40.2	5.4	247.4	43.4	43.4	1.8	1.1	0
New Haven	81.8	10.9	503.1	88.3	88.3	3.7	2.2	0
New London	62.2	8.3	383.0	67.2	67.2	2.8	1.7	0
Tolland	40.0	5.3	245.9	43.2	43.2	1.8	1.1	0
Windham	36.0	4.8	221.8	38.9	38.9	1.6	1.0	0
SCC State Total	**504.7**	**67.3**	**3105.8**	**545.2**	**545.2**	**22.6**	**13.5**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	8.0	13.9	58.0	11.2	11.2	1.1	1.2	0
Hartford	7.3	12.6	52.5	10.1	10.1	1.0	1.1	0
Litchfield	3.4	6.0	24.9	4.8	4.8	0.5	0.5	0
Middlesex	1.9	3.4	14.1	2.7	2.7	0.3	0.3	0
New Haven	6.8	11.7	49.2	9.5	9.5	0.9	1.0	0
New London	2.9	5.0	20.8	4.0	4.0	0.4	0.4	0
Tolland	2.2	3.8	15.8	3.0	3.0	0.3	0.3	0
Windham	1.8	3.1	13.1	2.5	2.5	0.2	0.3	0
SCC State Total	**34.3**	**59.5**	**248.4**	**47.8**	**47.8**	**4.7**	**5.1**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	15.9	2.4	249.3	37.4	37.4	2.4	2.8	0
Hartford	20.1	3.1	316.8	47.5	47.5	3.1	3.5	0
Litchfield	26.5	4.1	417.4	62.6	62.6	4.1	4.6	0
Middlesex	13.7	2.1	214.8	32.2	32.2	2.1	2.4	0
New Haven	13.3	2.0	208.8	31.3	31.3	2.0	2.3	0
New London	20.8	3.2	326.9	49.0	49.0	3.2	3.6	0
Tolland	14.7	2.3	231.5	34.7	34.7	2.3	2.6	0
Windham	12.9	2.0	202.9	30.4	30.4	2.0	2.2	0
SCC State Total	**137.9**	**21.2**	**2168.4**	**325.1**	**325.1**	**21.2**	**24**	**0**

SCC: 21-04-008-530 Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, pellet-fired, general
Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.2	0.4	1.7	0.3	0.3	0.0	0.0	0
Hartford	0.3	0.5	2.2	0.4	0.4	0.0	0.0	0
Litchfield	0.4	0.7	2.9	0.6	0.6	0.1	0.1	0
Middlesex	0.2	0.4	1.5	0.3	0.3	0.0	0.0	0
New Haven	0.2	0.3	1.5	0.3	0.3	0.0	0.0	0
New London	0.3	0.5	2.3	0.4	0.4	0.0	0.0	0
Tolland	0.2	0.4	1.6	0.3	0.3	0.0	0.0	0
Windham	0.2	0.3	1.4	0.3	0.3	0.0	0.0	0
SCC State Total	**2**	**3.5**	**15.1**	**2.9**	**2.9**	**0.1**	**0.1**	**0**

SCC: 21-04-008-610 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor
Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	88.9	2.6	474.6	84.4	84.4	2.2	2.7	0
Hartford	112.9	3.4	603.1	107.2	107.2	2.8	3.4	0
Litchfield	148.8	4.4	794.6	141.3	141.3	3.8	4.5	0
Middlesex	76.5	2.3	408.9	72.7	72.7	1.9	2.3	0
New Haven	74.4	2.2	397.5	70.7	70.7	1.9	2.2	0
New London	116.5	3.5	622.2	110.6	110.6	2.9	3.5	0
Tolland	82.5	2.4	440.7	78.3	78.3	2.1	2.5	0
Windham	72.3	2.1	386.2	68.7	68.7	1.8	2.2	0
SCC State Total	**772.8**	**22.9**	**4127.8**	**733.9**	**733.9**	**19.4**	**23.3**	**0**

SCC: 21-04-008-620 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: indoor
Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	56.8	1.7	303.2	53.9	53.9	1.4	1.7	0
Hartford	72.1	2.1	385.3	68.5	68.5	1.8	2.2	0
Litchfield	95.0	2.8	507.6	90.2	90.2	2.4	2.9	0
Middlesex	48.9	1.5	261.2	46.4	46.4	1.2	1.5	0
New Haven	47.5	1.4	254.0	45.1	45.1	1.2	1.4	0
New London	74.4	2.2	397.5	70.7	70.7	1.9	2.2	0
Tolland	52.7	1.6	281.5	50.1	50.1	1.3	1.6	0
Windham	46.2	1.4	246.7	43.9	43.9	1.2	1.4	0
SCC State Total	**493.6**	**14.7**	**2637**	**468.8**	**468.8**	**12.4**	**14.9**	**0**

SCC: 21-04-008-630 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: pellet-fired
Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0.1	0.6	0.1	0.1	0.0	0.0	0
Hartford	0.1	0.2	0.7	0.1	0.1	0.0	0.0	0
Litchfield	0.1	0.2	1.0	0.2	0.2	0.0	0.0	0
Middlesex	0.1	0.1	0.5	0.1	0.1	0.0	0.0	0
New Haven	0.1	0.1	0.5	0.1	0.1	0.0	0.0	0
New London	0.1	0.2	0.8	0.1	0.1	0.0	0.0	0
Tolland	0.1	0.1	0.5	0.1	0.1	0.0	0.0	0
Windham	0.1	0.1	0.5	0.1	0.1	0.0	0.0	0
SCC State Total	**0.8**	**1.1**	**5.1**	**0.9**	**0.9**	**0**	**0**	**0**

SCC: 21-04-008-700 Stationary Source Fuel Combustion - Residential - Wood - Outdoor wood burning device, NEC (fire-pits, chimineas, etc)
Sector: Fuel Comb - Residential - Wood

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	127.8	17.6	1007.6	159.6	159.6	12.2	2.7	0
Hartford	118.3	16.3	932.9	147.8	147.8	11.3	2.5	0
Litchfield	37.1	5.1	292.7	46.4	46.4	3.5	0.8	0
Middlesex	31.2	4.3	246.2	39.0	39.0	3.0	0.7	0
New Haven	111.2	15.3	877.0	138.9	138.9	10.6	2.4	0
New London	46.7	6.4	368.2	58.3	58.3	4.4	1.0	0
Tolland	25.7	3.5	202.4	32.1	32.1	2.4	0.5	0
Windham	20.2	2.8	159.6	25.3	25.3	1.9	0.4	0
SCC State Total	**518.2**	**71.3**	**4086.6**	**647.4**	**647.4**	**49.3**	**11**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	59.0	11.5	186.6	43.7	42.4	0	0	0
Hartford	118.4	23.0	374.3	87.7	85.0	0	0	0
Litchfield	12.8	2.5	40.5	9.5	9.2	0	0	0
Middlesex	32.8	6.4	103.8	24.3	23.6	0	0	0
New Haven	56.9	11.1	179.9	42.2	40.8	0	0	0
New London	18.7	3.6	59.3	13.9	13.5	0	0	0
Tolland	27.2	5.3	85.9	20.1	19.5	0	0	0
Windham	7.8	1.5	24.6	5.8	5.6	0	0	0
SCC State Total	**333.6**	**64.9**	**1054.9**	**247.2**	**239.6**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.0	0.9	0.3	0.1	0.1	0.1	0.0	0.0001
Hartford	0.0	0.8	0.2	0.1	0.1	0.0	0.0	0.0001
Litchfield	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0000
Middlesex	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0000
New Haven	0.0	0.9	0.2	0.1	0.1	0.0	0.0	0.0001
New London	0.0	0.4	0.1	0.1	0.1	0.0	0.0	0.0000
Tolland	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0000
Windham	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0000
SCC State Total	**0**	**4**	**1.2**	**0.4**	**0.4**	**0.1**	**0**	**0.0003**

Subpart 4.2.1: Bulk Plants 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.7	0	0	0	0	0	0	0
Hartford	23.5	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	1.8	0	0	0	0	0	0	0
New London	6.4	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	**32.4**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.2.2: 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	50.7	0	0	0	0	0	0	0.0003
Hartford	60.4	0	0	0	0	0	0	0.0004
Litchfield	18.1	0	0	0	0	0	0	0.0001
Middlesex	10.9	0	0	0	0	0	0	0.0001
New Haven	33.8	0	0	0	0	0	0	0.0002
New London	22.4	0	0	0	0	0	0	0.0001
Tolland	17.1	0	0	0	0	0	0	0.0001
Windham	15.8	0	0	0	0	0	0	0.0001
SCC State Total	**229.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0.0014**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0	0	0	0	0	0	0.0000
Hartford	0.1	0	0	0	0	0	0	0.0000
Litchfield	0.0	0	0	0	0	0	0	0.0000
Middlesex	0.0	0	0	0	0	0	0	0.0000
New Haven	0.0	0	0	0	0	0	0	0.0000
New London	0.0	0	0	0	0	0	0	0.0000
Tolland	0.0	0	0	0	0	0	0	0.0000
Windham	0.0	0	0	0	0	0	0	0.0000
SCC State Total	**0.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	33.5	0	0	0	0	0	0	0
Hartford	34.3	0	0	0	0	0	0	0
Litchfield	5.8	0	0	0	0	0	0	0
Middlesex	7.5	0	0	0	0	0	0	0
New Haven	31.3	0	0	0	0	0	0	0
New London	11.6	0	0	0	0	0	0	0
Tolland	5.9	0	0	0	0	0	0	0
Windham	4.9	0	0	0	0	0	0	0
SCC State Total	**134.8**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 Filling

Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	106.3	0	0	0	0	0	0	0
Hartford	108.6	0	0	0	0	0	0	0
Litchfield	18.4	0	0	0	0	0	0	0
Middlesex	23.8	0	0	0	0	0	0	0
New Haven	99.0	0	0	0	0	0	0	0
New London	36.8	0	0	0	0	0	0	0
Tolland	18.7	0	0	0	0	0	0	0
Windham	15.4	0	0	0	0	0	0	0
SCC State Total	**427**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	154.7	0	0	0	0	0	0	0
Hartford	158.0	0	0	0	0	0	0	0
Litchfield	26.8	0	0	0	0	0	0	0
Middlesex	34.6	0	0	0	0	0	0	0
New Haven	144.1	0	0	0	0	0	0	0
New London	53.5	0	0	0	0	0	0	0
Tolland	27.2	0	0	0	0	0	0	0
Windham	22.4	0	0	0	0	0	0	0
SCC State Total	**621.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.2.4: Gas Stations - Stage II and Other Refueling

SCC: 22-01-00-0062 Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement
Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	247.9	0	0	0	0	0	0	0
Hartford	252.9	0	0	0	0	0	0	0
Litchfield	47.7	0	0	0	0	0	0	0
Middlesex	56.6	0	0	0	0	0	0	0
New Haven	247.2	0	0	0	0	0	0	0
New London	80.1	0	0	0	0	0	0	0
Tolland	49.9	0	0	0	0	0	0	0
Windham	30.7	0	0	0	0	0	0	0
SCC State Total	**1013**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	14.0	0	0	0	0	0	0	0
Hartford	14.8	0	0	0	0	0	0	0
Litchfield	2.4	0	0	0	0	0	0	0
Middlesex	3.3	0	0	0	0	0	0	0
New Haven	15.0	0	0	0	0	0	0	0
New London	5.2	0	0	0	0	0	0	0
Tolland	3.7	0	0	0	0	0	0	0
Windham	2.1	0	0	0	0	0	0	0
SCC State Total	**60.5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 22-03-00-0062 Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Refueling - Total Spillage and Displacement
Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 22-04-00-0062 Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Refueling - Total Spillage and Displacement
Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 22-05-00-0062 Mobile Sources - Highway Vehicles - Ethanol (E-85) - Refueling - Total Spillage and Displacement
Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 22-09-00-0062 Mobile Sources - Highway Vehicles - Electricity - Refueling - Total Spillage and Displacement
Sector: Gas Stations

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.2.5: 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	10.1	0	0	0	0	0	0	0
Hartford	10.3	0	0	0	0	0	0	0
Litchfield	1.8	0	0	0	0	0	0	0
Middlesex	2.3	0	0	0	0	0	0	0
New Haven	9.4	0	0	0	0	0	0	0
New London	3.5	0	0	0	0	0	0	0
Tolland	1.8	0	0	0	0	0	0	0
Windham	1.5	0	0	0	0	0	0	0
SCC State Total	**40.7**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	374.3	0	0	0	0	0	0	0
Hartford	287.3	0	0	0	0	0	0	0
Litchfield	50.9	0	0	0	0	0	0	0
Middlesex	8.5	0	0	0	0	0	0	0
New Haven	168.9	0	0	0	0	0	0	0
New London	55.7	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	8.5	0	0	0	0	0	0	0
SCC State Total	**954.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	22.0	0	0	0	0	0	0	0
Hartford	13.9	0	0	0	0	0	0	0
Litchfield	4.0	0	0	0	0	0	0	0
Middlesex	2.7	0	0	0	0	0	0	0
New Haven	11.7	0	0	0	0	0	0	0
New London	3.0	0	0	0	0	0	0	0
Tolland	1.5	0	0	0	0	0	0	0
Windham	1.5	0	0	0	0	0	0	0
SCC State Total	**60.3**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	24.6	0	0	0	0	0	0	0
Hartford	15.6	0	0	0	0	0	0	0
Litchfield	4.5	0	0	0	0	0	0	0
Middlesex	3.1	0	0	0	0	0	0	0
New Haven	13.2	0	0	0	0	0	0	0
New London	3.3	0	0	0	0	0	0	0
Tolland	1.7	0	0	0	0	0	0	0
Windham	1.7	0	0	0	0	0	0	0
SCC State Total	**67.7**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	4.9	0	0	0	0	0	0	0
Hartford	3.1	0	0	0	0	0	0	0
Litchfield	0.9	0	0	0	0	0	0	0
Middlesex	0.6	0	0	0	0	0	0	0
New Haven	2.6	0	0	0	0	0	0	0
New London	0.7	0	0	0	0	0	0	0
Tolland	0.3	0	0	0	0	0	0	0
Windham	0.3	0	0	0	0	0	0	0
SCC State Total	**13.4**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.4	0	0	0	0	0	0	0
Hartford	0.9	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**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.2	0	0	0	0	0	0	0
Hartford	0.7	0	0	0	0	0	0	0
Litchfield	0.2	0	0	0	0	0	0	0
Middlesex	0.1	0	0	0	0	0	0	0
New Haven	0.6	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	**3.2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	20.9	0	0	0	0	0	0	0
Hartford	13.2	0	0	0	0	0	0	0
Litchfield	3.8	0	0	0	0	0	0	0
Middlesex	2.6	0	0	0	0	0	0	0
New Haven	11.2	0	0	0	0	0	0	0
New London	2.8	0	0	0	0	0	0	0
Tolland	1.4	0	0	0	0	0	0	0
Windham	1.4	0	0	0	0	0	0	0
SCC State Total	**57.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.3.1: Solvent – Degreasing

SCC: **24-15-000-000** Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types
Sector: Solvent - Degreasing

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	171.4	0	0	0	0	0	0	0
Hartford	254.6	0	0	0	0	0	0	0
Litchfield	37.0	0	0	0	0	0	0	0
Middlesex	42.9	0	0	0	0	0	0	0
New Haven	134.5	0	0	0	0	0	0	0
New London	74.6	0	0	0	0	0	0	0
Tolland	20.8	0	0	0	0	0	0	0
Windham	16.8	0	0	0	0	0	0	0
SCC State Total	**752.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	6.5	0	0	0	0	0	0	0
Hartford	3.0	0	0	0	0	0	0	0
Litchfield	0.8	0	0	0	0	0	0	0
Middlesex	0.7	0	0	0	0	0	0	0
New Haven	4.0	0	0	0	0	0	0	0
New London	2.6	0	0	0	0	0	0	0
Tolland	0.9	0	0	0	0	0	0	0
Windham	0.1	0	0	0	0	0	0	0
SCC State Total	**18.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	663.2	0	0	0	0	0	0	0
Hartford	759.6	0	0	0	0	0	0	0
Litchfield	83.7	0	0	0	0	0	0	0
Middlesex	10.1	0	0	0	0	0	0	0
New Haven	464.5	0	0	0	0	0	0	0
New London	127.8	0	0	0	0	0	0	0
Tolland	36.0	0	0	0	0	0	0	0
Windham	92.4	0	0	0	0	0	0	0
SCC State Total	**2237.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.3.4: Solvent - Consumer & Commercial Solvent Use

SCC: **24-60-030-999** Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Lighter Fluid, Fire Starter, Other Fuels - Total:
All Volatile Chemical Product Types
Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	18.8	0	0	0	0	0	0	0
Hartford	17.8	0	0	0	0	0	0	0
Litchfield	3.6	0	0	0	0	0	0	0
Middlesex	3.2	0	0	0	0	0	0	0
New Haven	17.0	0	0	0	0	0	0	0
New London	5.3	0	0	0	0	0	0	0
Tolland	3.0	0	0	0	0	0	0	0
Windham	2.3	0	0	0	0	0	0	0
SCC State Total	**71**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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 [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1338.2	0	0	0	0	0	0	0
Hartford	1262.7	0	0	0	0	0	0	0
Litchfield	255.0	0	0	0	0	0	0	0
Middlesex	229.6	0	0	0	0	0	0	0
New Haven	1209.8	0	0	0	0	0	0	0
New London	376.3	0	0	0	0	0	0	0
Tolland	213.9	0	0	0	0	0	0	0
Windham	165.5	0	0	0	0	0	0	0
SCC State Total	**5051**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	937.7	0	0	0	0	0	0	0
Hartford	884.8	0	0	0	0	0	0	0
Litchfield	178.7	0	0	0	0	0	0	0
Middlesex	160.8	0	0	0	0	0	0	0
New Haven	847.7	0	0	0	0	0	0	0
New London	263.7	0	0	0	0	0	0	0
Tolland	149.8	0	0	0	0	0	0	0
Windham	116.0	0	0	0	0	0	0	0
SCC State Total	**3539.2**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	37.7	0	0	0	0	0	0	0
Hartford	35.6	0	0	0	0	0	0	0
Litchfield	7.2	0	0	0	0	0	0	0
Middlesex	6.5	0	0	0	0	0	0	0
New Haven	34.1	0	0	0	0	0	0	0
New London	10.6	0	0	0	0	0	0	0
Tolland	6.0	0	0	0	0	0	0	0
Windham	4.7	0	0	0	0	0	0	0
SCC State Total	**142.4**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	659.7	0	0	0	0	0	0	0
Hartford	622.5	0	0	0	0	0	0	0
Litchfield	125.7	0	0	0	0	0	0	0
Middlesex	113.2	0	0	0	0	0	0	0
New Haven	596.4	0	0	0	0	0	0	0
New London	185.5	0	0	0	0	0	0	0
Tolland	105.4	0	0	0	0	0	0	0
Windham	81.6	0	0	0	0	0	0	0
SCC State Total	**2490**	**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 Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	626.7	0	0	0	0	0	0	0
Hartford	591.3	0	0	0	0	0	0	0
Litchfield	119.4	0	0	0	0	0	0	0
Middlesex	107.5	0	0	0	0	0	0	0
New Haven	566.5	0	0	0	0	0	0	0
New London	176.2	0	0	0	0	0	0	0
Tolland	100.1	0	0	0	0	0	0	0
Windham	77.5	0	0	0	0	0	0	0
SCC State Total	**2365.2**	**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 Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	37.7	0	0	0	0	0	0	0
Hartford	35.6	0	0	0	0	0	0	0
Litchfield	7.2	0	0	0	0	0	0	0
Middlesex	6.5	0	0	0	0	0	0	0
New Haven	34.1	0	0	0	0	0	0	0
New London	10.6	0	0	0	0	0	0	0
Tolland	6.0	0	0	0	0	0	0	0
Windham	4.7	0	0	0	0	0	0	0
SCC State Total	**142.4**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	18.8	0	0	0	0	0	0	0
Hartford	17.8	0	0	0	0	0	0	0
Litchfield	3.6	0	0	0	0	0	0	0
Middlesex	3.2	0	0	0	0	0	0	0
New Haven	17.0	0	0	0	0	0	0	0
New London	5.3	0	0	0	0	0	0	0
Tolland	3.0	0	0	0	0	0	0	0
Windham	2.3	0	0	0	0	0	0	0
SCC State Total	**71**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	494.8	0	0	0	0	0	0	0
Hartford	466.8	0	0	0	0	0	0	0
Litchfield	94.3	0	0	0	0	0	0	0
Middlesex	84.9	0	0	0	0	0	0	0
New Haven	447.3	0	0	0	0	0	0	0
New London	139.1	0	0	0	0	0	0	0
Tolland	79.1	0	0	0	0	0	0	0
Windham	61.2	0	0	0	0	0	0	0
SCC State Total	**1867.5**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	74.6	0	0	0	0	0	0	0
Hartford	85.5	0	0	0	0	0	0	0
Litchfield	17.9	0	0	0	0	0	0	0
Middlesex	11.5	0	0	0	0	0	0	0
New Haven	69.3	0	0	0	0	0	0	0
New London	24.6	0	0	0	0	0	0	0
Tolland	12.4	0	0	0	0	0	0	0
Windham	7.7	0	0	0	0	0	0	0
SCC State Total	**303.5**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	133.2	0	0	0	0	0	0	0
Hartford	141.4	0	0	0	0	0	0	0
Litchfield	21.2	0	0	0	0	0	0	0
Middlesex	30.9	0	0	0	0	0	0	0
New Haven	128.1	0	0	0	0	0	0	0
New London	47.0	0	0	0	0	0	0	0
Tolland	24.3	0	0	0	0	0	0	0
Windham	19.9	0	0	0	0	0	0	0
SCC State Total	**546**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.7	0	0	0	0	0	0	0
Hartford	0.8	0	0	0	0	0	0	0
Litchfield	0.3	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	1.2	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	0	0
Tolland	0.2	0	0	0	0	0	0	0
Windham	0.5	0	0	0	0	0	0	0
SCC State Total	**3.9**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	10.7	0	0	0	0	0	0	0
Hartford	57.4	0	0	0	0	0	0	0
Litchfield	6.6	0	0	0	0	0	0	0
Middlesex	1.6	0	0	0	0	0	0	0
New Haven	14.4	0	0	0	0	0	0	0
New London	2.8	0	0	0	0	0	0	0
Tolland	1.9	0	0	0	0	0	0	0
Windham	0.7	0	0	0	0	0	0	0
SCC State Total	**96.1**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.5	0	0	0	0	0	0	0
Hartford	3.8	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	3.4	0	0	0	0	0	0	0
New London	0.5	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	**8.7**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.6	0	0	0	0	0	0	0
Hartford	7.7	0	0	0	0	0	0	0
Litchfield	0.6	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	4.0	0	0	0	0	0	0	0
New London	10.3	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	**23.2**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	9.5	0	0	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	9.5	0	0	0	0	0	0	0
New Haven	9.5	0	0	0	0	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	1.6	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**30.1**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	20.9	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	2.5	0	0	0	0	0	0	0
Middlesex	0.0	0	0	0	0	0	0	0
New Haven	11.0	0	0	0	0	0	0	0
New London	3.3	0	0	0	0	0	0	0
Tolland	3.8	0	0	0	0	0	0	0
Windham	1.1	0	0	0	0	0	0	0
SCC State Total	**42.6**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	3.3	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	**3.3**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	9.6	0	0	0	0	0	0	0
Hartford	5.9	0	0	0	0	0	0	0
Litchfield	0.9	0	0	0	0	0	0	0
Middlesex	1.3	0	0	0	0	0	0	0
New Haven	14.6	0	0	0	0	0	0	0
New London	2.7	0	0	0	0	0	0	0
Tolland	0.5	0	0	0	0	0	0	0
Windham	9.9	0	0	0	0	0	0	0
SCC State Total	**45.4**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	3.6	0	0	0	0	0	0	0
Hartford	8.8	0	0	0	0	0	0	0
Litchfield	13.2	0	0	0	0	0	0	0
Middlesex	7.9	0	0	0	0	0	0	0
New Haven	8.2	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	0.0	0	0	0	0	0	0	0
SCC State Total	**42**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	23.9	0	0	0	0	0	0	0
Hartford	49.8	0	0	0	0	0	0	0
Litchfield	0.0	0	0	0	0	0	0	0
Middlesex	7.6	0	0	0	0	0	0	0
New Haven	1.5	0	0	0	0	0	0	0
New London	0.2	0	0	0	0	0	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	1.1	0	0	0	0	0	0	0
SCC State Total	**84.1**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	26.5	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	2.4	0	0	0	0	0	0	0
New Haven	6.4	0	0	0	0	0	0	0
New London	1396.4	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	**1431.7**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	0	0	0	0	0	0	0	0
Litchfield	0.2	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	0.2	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	**0.4**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	25.6	0	0	0	0	0	0	0
Litchfield	12.6	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	36.1	0	0	0	0	0	0	0
New London	2.8	0	0	0	0	0	0	0
Tolland	31.8	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**108.9**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	155.5	0	0	0	0	0	0	0
Hartford	146.7	0	0	0	0	0	0	0
Litchfield	29.6	0	0	0	0	0	0	0
Middlesex	26.7	0	0	0	0	0	0	0
New Haven	140.6	0	0	0	0	0	0	0
New London	43.7	0	0	0	0	0	0	0
Tolland	24.8	0	0	0	0	0	0	0
Windham	19.2	0	0	0	0	0	0	0
SCC State Total	**586.8**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	99.0	0	0	0	0	0	0	0
Hartford	93.4	0	0	0	0	0	0	0
Litchfield	18.9	0	0	0	0	0	0	0
Middlesex	17.0	0	0	0	0	0	0	0
New Haven	89.5	0	0	0	0	0	0	0
New London	9.1	0	0	0	0	0	0	0
Tolland	15.8	0	0	0	0	0	0	0
Windham	12.2	0	0	0	0	0	0	0
SCC State Total	**354.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.3.6: Asphalt Paving

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.0	0	0	0	0	0	0	0
Hartford	1.1	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	1.0	0	0	0	0	0	0	0
New London	0.4	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
SCC State Total	**4.3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: 24-61-025-100 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Asphalt Paving: Hot and Warm Mix - Hot Mix Total: All Solvent Types
Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	236.8	0	0	0	0	0	0	0
Hartford	247.0	0	0	0	0	0	0	0
Litchfield	36.4	0	0	0	0	0	0	0
Middlesex	57.5	0	0	0	0	0	0	0
New Haven	230.4	0	0	0	0	0	0	0
New London	86.7	0	0	0	0	0	0	0
Tolland	43.2	0	0	0	0	0	0	0
Windham	35.6	0	0	0	0	0	0	0
SCC State Total	**973.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: **24-61-025-200** Solvent Utilization - Miscellaneous Non-industrial: Commercial - Asphalt Paving: Hot and Warm Mix - Warm Mix Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.4.1: Agriculture - 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	21.3	4.3	0	0	0
Hartford	0	0	0	125.1	25.0	0	0	0
Litchfield	0	0	0	247.5	49.5	0	0	0
Middlesex	0	0	0	18.3	3.7	0	0	0
New Haven	0	0	0	68.4	13.7	0	0	0
New London	0	0	0	135.5	27.1	0	0	0
Tolland	0	0	0	65.3	13.1	0	0	0
Windham	0	0	0	96.5	19.3	0	0	0
SCC State Total	**0**	**0**	**0**	**777.9**	**155.7**	**0**	**0**	**0**

SCC: **28-05-100-010** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Beef cattle - finishing operations on feedlots (drylots)

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	3.5	0.7	0	0	0
Hartford	0	0	0	10.7	2.2	0	0	0
Litchfield	0	0	0	35.5	7.4	0	0	0
Middlesex	0	0	0	4.9	1.0	0	0	0
New Haven	0	0	0	8.2	1.7	0	0	0
New London	0	0	0	23.8	4.9	0	0	0
Tolland	0	0	0	20.3	4.2	0	0	0
Windham	0	0	0	30.2	6.3	0	0	0
SCC State Total	**0**	**0**	**0**	**137.1**	**28.4**	**0**	**0**	**0**

SCC: **28-05-100-020** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Dairy Cattle

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	1.4	0.3	0	0	0
Hartford	0	0	0	5.7	1.2	0	0	0
Litchfield	0	0	0	28.2	5.9	0	0	0
Middlesex	0	0	0	2.1	0.4	0	0	0
New Haven	0	0	0	3.1	0.6	0	0	0
New London	0	0	0	37.9	7.9	0	0	0
Tolland	0	0	0	32.6	6.8	0	0	0
Windham	0	0	0	39.7	8.3	0	0	0
SCC State Total	**0**	**0**	**0**	**150.7**	**31.4**	**0**	**0**	**0**

SCC: 28-05-100-030 Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Broilers
Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0.0	0.0	0	0	0
Hartford	0	0	0	0.0	0.0	0	0	0
Litchfield	0	0	0	0.2	0.0	0	0	0
Middlesex	0	0	0	0.1	0.0	0	0	0
New Haven	0	0	0	0.1	0.0	0	0	0
New London	0	0	0	0.2	0.0	0	0	0
Tolland	0	0	0	0.0	0.0	0	0	0
Windham	0	0	0	0.1	0.0	0	0	0
SCC State Total	**0**	**0**	**0**	**0.7**	**0**	**0**	**0**	**0**

SCC: 28-05-100-040 Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Layers
Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	23.1	2.9	0	0	0
Hartford	0	0	0	7.5	0.9	0	0	0
Litchfield	0	0	0	10.4	1.3	0	0	0
Middlesex	0	0	0	3.4	0.4	0	0	0
New Haven	0	0	0	5.4	0.7	0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	0	0	0	5.8	0.7	0	0	0
Windham	0	0	0	3.7	0.5	0	0	0
SCC State Total	**0**	**0**	**0**	**59.3**	**7.4**	**0**	**0**	**0**

SCC: 28-05-100-050 Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Swine
Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0.1	0.0	0	0	0
Hartford	0	0	0	0.4	0.0	0	0	0
Litchfield	0	0	0	0.8	0.0	0	0	0
Middlesex	0	0	0	0.0	0.0	0	0	0
New Haven	0	0	0	0.4	0.0	0	0	0
New London	0	0	0	0.9	0.0	0	0	0
Tolland	0	0	0	0.2	0.0	0	0	0
Windham	0	0	0	0.4	0.0	0	0	0
SCC State Total	**0**	**0**	**0**	**3.2**	**0**	**0**	**0**	**0**

SCC: 28-05-100-060 Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Turkeys
Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0.1	0.0	0	0	0
Hartford	0	0	0	0.1	0.0	0	0	0
Litchfield	0	0	0	0.1	0.0	0	0	0
Middlesex	0	0	0	0.0	0.0	0	0	0
New Haven	0	0	0	0.1	0.0	0	0	0
New London	0	0	0	0.0	0.0	0	0	0
Tolland	0	0	0	0.1	0.0	0	0	0
Windham	0	0	0	0.0	0.0	0	0	0
SCC State Total	**0**	**0**	**0**	**0.5**	**0**	**0**	**0**	**0**

Subpart 4.4.2: Agriculture 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.2	0	0	0	0	2.5	0	0
Hartford	0.6	0	0	0	0	7.5	0	0
Litchfield	1.9	0	0	0	0	23.6	0	0
Middlesex	0.3	0	0	0	0	3.5	0	0
New Haven	0.5	0	0	0	0	5.9	0	0
New London	1.4	0	0	0	0	16.9	0	0
Tolland	1.1	0	0	0	0	14.0	0	0
Windham	1.7	0	0	0	0	20.6	0	0
SCC State Total	**7.7**	**0**	**0**	**0**	**0**	**94.5**	**0**	**0**

SCC: 28-05-007-100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste - Poultry Production - Layers with Dry Manure Management Systems: Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	16.7	0	0	0	0	208.8	0	0
Hartford	5.3	0	0	0	0	66.3	0	0
Litchfield	7.4	0	0	0	0	92.7	0	0
Middlesex	2.5	0	0	0	0	31.0	0	0
New Haven	3.9	0	0	0	0	49.0	0	0
New London	0	0	0	0	0	0	0	0
Tolland	4.2	0	0	0	0	51.9	0	0
Windham	2.7	0	0	0	0	33.3	0	0
SCC State Total	**42.7**	**0**	**0**	**0**	**0**	**533**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.0	0	0	0	0	0.3	0	0
Hartford	0.0	0	0	0	0	0.3	0	0
Litchfield	0.1	0	0	0	0	1.2	0	0
Middlesex	0.0	0	0	0	0	0.6	0	0
New Haven	0.0	0	0	0	0	0.4	0	0
New London	0.1	0	0	0	0	1.5	0	0
Tolland	0.0	0	0	0	0	0.2	0	0
Windham	0.0	0	0	0	0	0.6	0	0
SCC State Total	**0.2**	**0**	**0**	**0**	**0**	**5.1**	**0**	**0**

SCC: 28-05-010-100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - turkeys - Confinement
Sector: Agriculture - Livestock Waste

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.0	0	0	0	0	0.2	0	0
Hartford	0.0	0	0	0	0	0.2	0	0
Litchfield	0.0	0	0	0	0	0.4	0	0
Middlesex	0.0	0	0	0	0	0.0	0	0
New Haven	0.0	0	0	0	0	0.3	0	0
New London	0.0	0	0	0	0	0.1	0	0
Tolland	0.0	0	0	0	0	0.3	0	0
Windham	0.0	0	0	0	0	0.1	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**1.6**	**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 [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.4	0	0	0	0	4.4	0	0
Hartford	1.4	0	0	0	0	17.9	0	0
Litchfield	6.7	0	0	0	0	84.4	0	0
Middlesex	0.5	0	0	0	0	6.7	0	0
New Haven	0.8	0	0	0	0	9.7	0	0
New London	9.5	0	0	0	0	118.9	0	0
Tolland	8.1	0	0	0	0	101.0	0	0
Windham	9.7	0	0	0	0	121.6	0	0
SCC State Total	**37.1**	**0**	**0**	**0**	**0**	**464.6**	**0**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0	0	0	0	0.8	0	0
Hartford	0.3	0	0	0	0	4.3	0	0
Litchfield	0.6	0	0	0	0	7.9	0	0
Middlesex	0.0	0	0	0	0	0.4	0	0
New Haven	0.4	0	0	0	0	4.6	0	0
New London	0.8	0	0	0	0	10.2	0	0
Tolland	0.2	0	0	0	0	2.5	0	0
Windham	0.3	0	0	0	0	3.7	0	0
SCC State Total	**2.7**	**0**	**0**	**0**	**0**	**34.4**	**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 [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.9	0	0	0	0	11.3	0	0
Hartford	1.2	0	0	0	0	14.5	0	0
Litchfield	1.6	0	0	0	0	19.9	0	0
Middlesex	1.0	0	0	0	0	12.7	0	0
New Haven	1.0	0	0	0	0	12.1	0	0
New London	1.3	0	0	0	0	15.8	0	0
Tolland	1.0	0	0	0	0	12.1	0	0
Windham	0.5	0	0	0	0	6.1	0	0
SCC State Total	**8.5**	**0**	**0**	**0**	**0**	**104.5**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0	0	0	0	0.7	0	0
Hartford	0.2	0	0	0	0	2.4	0	0
Litchfield	0.5	0	0	0	0	5.6	0	0
Middlesex	0.1	0	0	0	0	1.3	0	0
New Haven	0.1	0	0	0	0	1.0	0	0
New London	0.3	0	0	0	0	3.2	0	0
Tolland	0.2	0	0	0	0	2.7	0	0
Windham	0.2	0	0	0	0	2.5	0	0
SCC State Total	**1.7**	**0**	**0**	**0**	**0**	**19.4**	**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 [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.2	0	0	0	0	2.3	0	0
Hartford	0.6	0	0	0	0	7.1	0	0
Litchfield	0.6	0	0	0	0	7.5	0	0
Middlesex	0.3	0	0	0	0	3.7	0	0
New Haven	0.3	0	0	0	0	4.3	0	0
New London	0.7	0	0	0	0	8.4	0	0
Tolland	0.4	0	0	0	0	4.6	0	0
Windham	0.5	0	0	0	0	5.7	0	0
SCC State Total	**3.6**	**0**	**0**	**0**	**0**	**43.6**	**0**	**0**

Subpart 4.4.3: Agriculture Fertilizer

SCC: **28-01-700-099** Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers
Sector: Agriculture - Fertilizer Application

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	246.9	0	0
Hartford	0	0	0	0	0	263.4	0	0
Litchfield	0	0	0	0	0	419.3	0	0
Middlesex	0	0	0	0	0	165.6	0	0
New Haven	0	0	0	0	0	298.8	0	0
New London	0	0	0	0	0	309.6	0	0
Tolland	0	0	0	0	0	185.0	0	0
Windham	0	0	0	0	0	205.7	0	0
SCC State Total	**0**	**0**	**0**	**0**	**0**	**2094.3**	**0**	**0**

Subpart 4.4.4: Agricultural Field Burning

SCC: 28-01-500-000 Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning - whole field set on fire - Unspecified crop type and Burn Method

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - Agricultural Field Burning - whole field set on fire - Field Crop is Bean (red): Headfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - Agricultural Field Burning - whole field set on fire - Fallow
Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - Agricultural Field Burning - whole field set on fire - Field Crop is

Wheat: Backfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - Agricultural Field Burning - whole field set on fire - DoubleCrop

Winter Wheat and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.4.5: Agricultural 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.6	0	0	0	0	0	0	0
Hartford	8.8	0	0	0	0	0	0	0
Litchfield	3.8	0	0	0	0	0	0	0
Middlesex	1.1	0	0	0	0	0	0	0
New Haven	3.4	0	0	0	0	0	0	0
New London	3.2	0	0	0	0	0	0	0
Tolland	3.1	0	0	0	0	0	0	0
Windham	3.5	0	0	0	0	0	0	0
SCC State Total	**28.5**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 4.4.6: Agricultural Silage

SCC: **28-02-004-001** Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Storage
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.5	0	0	0	0	0	0	0
Hartford	10.2	0	0	0	0	0	0	0
Litchfield	49.7	0	0	0	0	0	0	0
Middlesex	3.8	0	0	0	0	0	0	0
New Haven	5.6	0	0	0	0	0	0	0
New London	65.7	0	0	0	0	0	0	0
Tolland	56.4	0	0	0	0	0	0	0
Windham	69.1	0	0	0	0	0	0	0
SCC State Total	**263**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: **28-02-004-002** Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Mixing
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.2	0	0	0	0	0	0	0
Hartford	0.8	0	0	0	0	0	0	0
Litchfield	3.7	0	0	0	0	0	0	0
Middlesex	0.3	0	0	0	0	0	0	0
New Haven	0.4	0	0	0	0	0	0	0
New London	4.9	0	0	0	0	0	0	0
Tolland	4.2	0	0	0	0	0	0	0
Windham	5.2	0	0	0	0	0	0	0
SCC State Total	**19.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SCC: **28-02-004-003** Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Feeding
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	1.8	0	0	0	0	0	0	0
Hartford	7.5	0	0	0	0	0	0	0
Litchfield	36.3	0	0	0	0	0	0	0
Middlesex	2.8	0	0	0	0	0	0	0
New Haven	4.1	0	0	0	0	0	0	0
New London	47.9	0	0	0	0	0	0	0
Tolland	41.2	0	0	0	0	0	0	0
Windham	50.4	0	0	0	0	0	0	0
SCC State Total	**192**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	970.8	242.7	0	0	0
Hartford	0	0	0	1162.9	290.7	0	0	0
Litchfield	0	0	0	467.7	116.9	0	0	0
Middlesex	0	0	0	279.8	70.0	0	0	0
New Haven	0	0	0	701.2	175.3	0	0	0
New London	0	0	0	539.2	134.8	0	0	0
Tolland	0	0	0	363.9	91.0	0	0	0
Windham	0	0	0	365.5	91.4	0	0	0
SCC State Total	**0**	**0**	**0**	**4851**	**1212.8**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	339.4	33.7	0	0	0
Hartford	0	0	0	397.1	39.5	0	0	0
Litchfield	0	0	0	1013.8	100.7	0	0	0
Middlesex	0	0	0	296.7	29.5	0	0	0
New Haven	0	0	0	260.7	25.9	0	0	0
New London	0	0	0	734.3	73.0	0	0	0
Tolland	0	0	0	599.3	59.6	0	0	0
Windham	0	0	0	759.7	75.5	0	0	0
SCC State Total	**0**	**0**	**0**	**4401**	**437.4**	**0**	**0**	**0**

Subpart 4.5.3.1: Residential Construction Dust

SCC: **23-11-010-000** Industrial Processes - Construction: SIC 15 - 17 - Residential - Total
Sector: Dust - Construction Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	39.2	3.9	0	0	0
Hartford	0	0	0	35.9	3.6	0	0	0
Litchfield	0	0	0	10.3	1.0	0	0	0
Middlesex	0	0	0	6.8	0.7	0	0	0
New Haven	0	0	0	27.6	2.8	0	0	0
New London	0	0	0	17.7	1.8	0	0	0
Tolland	0	0	0	9.2	0.9	0	0	0
Windham	0	0	0	6.0	0.6	0	0	0
SCC State Total	**0**	**0**	**0**	**152.7**	**15.3**	**0**	**0**	**0**

Subpart 4.5.3.2: Non-Residential Construction Dust

SCC: **23-11-020-000** Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total
Sector: Dust - Construction Dust

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	1602.9	160.3	0	0	0
Hartford	0	0	0	1633.7	163.4	0	0	0
Litchfield	0	0	0	403.6	40.4	0	0	0
Middlesex	0	0	0	181.3	18.1	0	0	0
New Haven	0	0	0	951.6	95.2	0	0	0
New London	0	0	0	742.4	74.2	0	0	0
Tolland	0	0	0	145.0	14.5	0	0	0
Windham	0	0	0	61.3	6.1	0	0	0
SCC State Total	**0**	**0**	**0**	**5721.8**	**572.2**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	118.0	11.8	0	0	0
Hartford	0	0	0	63.8	6.4	0	0	0
Litchfield	0	0	0	16.0	1.6	0	0	0
Middlesex	0	0	0	14.1	1.4	0	0	0
New Haven	0	0	0	89.4	8.9	0	0	0
New London	0	0	0	34.0	3.4	0	0	0
Tolland	0	0	0	17.8	1.8	0	0	0
Windham	0	0	0	9.5	1.0	0	0	0
SCC State Total	**0**	**0**	**0**	**362.6**	**36.3**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: **23-10-000-551** Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from CBM Wells
Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 23-10-000-552 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Gas Wells
Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 23-10-000-553 Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Oil Wells
Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 23-10-011-001 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Associated Gas Venting
Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 23-10-011-600 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Artificial Lift Engines
Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: Condensate

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: **24-01-085-000** 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: **23-10-021-801** Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Pipeline Blowdowns and Pigging
Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 Processes

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.7.1: Mining and Quarrying

SCC: **23-25-000-000** Industrial Processes - Mining and Quarrying: SIC 10 and SIC 14 - All Processes - Total

Sector: Industrial Processes - Mining

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	136.1	17.0	0	0	0
Hartford	0	0	0	398.0	49.8	0	0	0
Litchfield	0	0	0	738.2	92.3	0	0	0
Middlesex	0	0	0	23.8	3.0	0	0	0
New Haven	0	0	0	438.8	54.9	0	0	0
New London	0	0	0	44.2	5.5	0	0	0
Tolland	0	0	0	187.1	23.4	0	0	0
Windham	0	0	0	377.6	47.2	0	0	0
SCC State Total	**0**	**0**	**0**	**2343.8**	**293.1**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	22.3	0	74.4	88.9	86.3	0	0	0
Hartford	16.1	0	53.6	64.1	62.2	0	0	0
Litchfield	3.2	0	10.8	12.9	12.6	0	0	0
Middlesex	3.1	0	10.3	12.3	11.9	0	0	0
New Haven	17.9	0	59.8	71.4	69.3	0	0	0
New London	4.2	0	14.0	16.7	16.2	0	0	0
Tolland	1.7	0	5.7	6.9	6.7	0	0	0
Windham	1.4	0	4.8	5.7	5.5	0	0	0
SCC State Total	**69.9**	**0**	**233.4**	**278.9**	**270.7**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	78.6	0	257.0	654.2	633.5	0	0	0
Hartford	55.4	0	181.3	461.5	446.8	0	0	0
Litchfield	11.6	0	38.1	96.9	93.9	0	0	0
Middlesex	10.8	0	35.3	89.9	87.1	0	0	0
New Haven	60.8	0	198.9	506.4	490.4	0	0	0
New London	15.5	0	50.6	128.8	124.7	0	0	0
Tolland	5.7	0	18.5	47.1	45.6	0	0	0
Windham	4.3	0	14.2	36.1	35.0	0	0	0
SCC State Total	**242.7**	**0**	**793.9**	**2020.9**	**1957**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	14.3	0	0	0	0	0	0	0
Hartford	10.1	0	0	0	0	0	0	0
Litchfield	2.1	0	0	0	0	0	0	0
Middlesex	2.0	0	0	0	0	0	0	0
New Haven	11.4	0	0	0	0	0	0	0
New London	2.8	0	0	0	0	0	0	0
Tolland	1.1	0	0	0	0	0	0	0
Windham	0.9	0	0	0	0	0	0	0
SCC State Total	**44.7**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	10.2	0	21.2	171.0	129.9	0	0	0
Hartford	7.3	0	15.1	122.0	92.7	0	0	0
Litchfield	1.5	0	3.2	25.8	19.6	0	0	0
Middlesex	1.4	0	2.9	23.5	17.9	0	0	0
New Haven	7.9	0	16.4	132.4	100.6	0	0	0
New London	2.0	0	4.1	33.4	25.4	0	0	0
Tolland	0.7	0	1.5	12.4	9.4	0	0	0
Windham	0.6	0	1.2	9.7	7.4	0	0	0
SCC State Total	**31.6**	**0**	**65.6**	**530.2**	**402.9**	**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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.5	0	0	10.8	9.2	0	0	0
Hartford	0.4	0	0	7.5	6.4	0	0	0
Litchfield	0.1	0	0	1.5	1.2	0	0	0
Middlesex	0.1	0	0	1.5	1.3	0	0	0
New Haven	0.4	0	0	8.7	7.4	0	0	0
New London	0.1	0	0	2.0	1.7	0	0	0
Tolland	0.0	0	0	0.8	0.7	0	0	0
Windham	0.0	0	0	0.7	0.6	0	0	0
SCC State Total	**1.6**	**0**	**0**	**33.5**	**28.5**	**0**	**0**	**0**

Subpart 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	14.0	5.2	250.3	47.5	38.0	0	0	0
Hartford	14.0	5.2	251.7	47.7	38.2	0	0	0
Litchfield	3.4	1.3	61.7	11.7	9.4	0	0	0
Middlesex	2.9	1.1	51.5	9.8	7.8	0	0	0
New Haven	13.4	5.0	240.9	45.7	36.6	0	0	0
New London	4.6	1.7	83.0	15.8	12.6	0	0	0
Tolland	2.4	0.9	43.1	8.2	6.5	0	0	0
Windham	2.0	0.7	35.9	6.8	5.5	0	0	0
SCC State Total	**56.7**	**21.1**	**1018.1**	**193.2**	**154.6**	**0**	**0**	**0**

Subpart 4.8: Prescribed Burning and Wildfires (Events)

SCC: **28-10-001-001** Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Smoldering
Sector: Fires - Wildfires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: **28-10-001-002** Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Flaming
Sector: Fires - Wildfires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 28-11-015-001 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering
Sector: Fires - Prescribed Fires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.3	0.0	1.1	0.1	0.1	0.0	0.0	0.0000
Hartford	0	0	0	0	0	0	0	0
Litchfield	6.1	0.1	26.3	2.5	2.1	0.4	0.1	0.0001
Middlesex	1.0	0.0	4.4	0.4	0.3	0.1	0.0	0.0000
New Haven	2.8	0.1	12.0	1.1	0.9	0.2	0.1	0.0000
New London	3.4	0.1	14.4	1.3	1.1	0.2	0.1	0.0000
Tolland	2.5	0.0	10.6	1.0	0.8	0.2	0.0	0.0000
Windham	2.7	0.0	11.5	1.1	0.9	0.2	0.1	0.0000
SCC State Total	**18.8**	**0.3**	**80.3**	**7.5**	**6.2**	**1.3**	**0.4**	**0.0001**

SCC: 28-11-015-002 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Flaming
Sector: Fires - Prescribed Fires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	2.5	0.3	10.4	1.2	1.0	0.2	0.1	0.0001
Hartford	0	0	0	0	0	0	0	0
Litchfield	22.2	1.5	93.8	9.7	8.2	1.5	0.8	0.0005
Middlesex	8.9	0.9	37.0	4.1	3.5	0.6	0.4	0.0003
New Haven	8.8	0.7	37.0	4.0	3.4	0.6	0.3	0.0002
New London	21.3	1.9	89.3	9.7	8.2	1.5	0.9	0.0006
Tolland	10.4	0.7	44.1	4.6	3.9	0.7	0.4	0.0002
Windham	11.5	0.6	48.7	4.9	4.2	0.8	0.3	0.0002
SCC State Total	**85.6**	**6.6**	**360.3**	**38.2**	**32.4**	**5.9**	**3.2**	**0.0021**

SCC: 28-11-020-002 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Rangeland Burning - Flaming
Sector: Fires - Prescribed Fires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: 28-11-021-000 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Rangeland Burning - Tallgrass Prairie - Total (Smoldering + Flaming)
Sector: Fires - Prescribed Fires

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.9.1: Waste Recycling Composting

SCC: 26-80-003-000 Waste Disposal, Treatment, and Recovery - Composting - 100% Green Waste (e.g., residential or municipal yard wastes) - All Processes

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0	0	0	0	0	0	0	0
Hartford	406.3	0	0	0	0	57.4	0	0
Litchfield	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0
New Haven	67.7	0	0	0	0	9.6	0	0
New London	67.7	0	0	0	0	9.6	0	0
Tolland	0	0	0	0	0	0	0	0
Windham	0	0	0	0	0	0	0	0
SCC State Total	**541.7**	**0**	**0**	**0**	**0**	**76.6**	**0**	**0**

Subpart 4.9.2.1: Waste Disposal Open Burning 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.8	0.2	5.6	0.7	0.5	0.6	0.1	0
Hartford	1.7	0.5	12.8	1.6	1.2	1.3	0.2	0
Litchfield	2.8	0.7	20.9	2.5	2.0	2.2	0.2	0
Middlesex	1.5	0.4	10.8	1.3	1.0	1.1	0.1	0
New Haven	0.6	0.1	4.2	0.5	0.4	0.4	0.0	0
New London	2.5	0.7	18.8	2.3	1.8	1.9	0.2	0
Tolland	2.1	0.6	15.5	1.9	1.4	1.6	0.2	0
Windham	2.1	0.6	15.6	1.9	1.5	1.6	0.2	0
SCC State Total	**14.1**	**3.8**	**104.2**	**12.7**	**9.8**	**10.7**	**1.2**	**0**

Subpart 4.9.2.2: Open Burning 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: Waste Disposal Open Burning 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.9.3: 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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	16.1	0	0	0	0	3.2	0	0
Hartford	6.8	0	0	0	0	1.4	0	0
Litchfield	1.6	0	0	0	0	0.3	0	0
Middlesex	3.7	0	0	0	0	0.7	0	0
New Haven	15.7	0	0	0	0	3.1	0	0
New London	3.3	0	0	0	0	0.7	0	0
Tolland	1.1	0	0	0	0	0.2	0	0
Windham	1.3	0	0	0	0	0.3	0	0
SCC State Total	**49.6**	**0**	**0**	**0**	**0**	**9.9**	**0**	**0**

Subpart 4.9.4: Cremation or Other Nonpoint Non-Combustion-Related Mercury Source

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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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: **28-10-060-100** Miscellaneous Area Sources - Other Combustion - Cremation - Humans
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.1	0.8	0.7	0.7	0.5	0	0.5	0.0021
Hartford	0.1	0.9	0.8	0.8	0.5	0	0.6	0.0024
Litchfield	0.0	0.2	0.2	0.2	0.1	0	0.1	0.0005
Middlesex	0.0	0.2	0.1	0.1	0.1	0	0.1	0.0004
New Haven	0.1	0.9	0.7	0.8	0.5	0	0.5	0.0024
New London	0.0	0.3	0.2	0.2	0.1	0	0.2	0.0007
Tolland	0.0	0.1	0.1	0.1	0.1	0	0.1	0.0003
Windham	0.0	0.1	0.1	0.1	0.1	0	0.1	0.0003
SCC State Total	**0.3**	**3.5**	**2.9**	**3**	**2**	**0**	**2.2**	**0.0091**

SCC: 28-10-060-200 Miscellaneous Area Sources - Other Combustion - Cremation - Animals
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0000
Hartford	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0000
Litchfield	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0000
Middlesex	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0000
New Haven	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0000
New London	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0000
Tolland	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0000
Windham	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0000
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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - Fluorescent Lamp Breakage - Non-recycling Related Emissions: Total
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 - Fluorescent Lamp Breakage - Recycling Related Emissions: Total

Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [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 4.9.5: Municipal Landfill Emissions

SCC: **26-20-030-000** Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total

Sector: Waste Disposal

County Name	VOC [TPY]	NOx [TPY]	CO [TPY]	PM10-PRI [TPY]	PM25-PRI [TPY]	NH3 [TPY]	SO2 [TPY]	Lead [TPY]
Fairfield	44.0	0	0	0	0	0	0	0
Hartford	118.4	0	0	0	0	0	0	0
Litchfield	90.9	0	0	0	0	0	0	0
Middlesex	2.3	0	0	0	0	0	0	0
New Haven	20.8	0	0	0	0	0	0	0
New London	10.0	0	0	0	0	0	0	0
Tolland	5.1	0	0	0	0	0	0	0
Windham	6.2	0	0	0	0	0	0	0
SCC State Total	**297.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Table I-2: 2020 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]	NOx [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]	NOx [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]	NOx [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]	NOx [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 Boiler Types
Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.4	35.1	11.0
Hartford	0.6	51.3	16.0
Litchfield	0.1	9.3	2.9
Middlesex	0.1	9.1	2.8
New Haven	0.4	29.6	9.3
New London	0.2	13.0	4.1
Tolland	0.1	4.5	1.4
Windham	0.1	5.0	1.6
SCC State Total	2.0	157.0	49.1

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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	10.2	147.3	31.7
Hartford	15.0	215.4	46.4
Litchfield	2.7	38.8	8.4
Middlesex	2.6	38.0	8.2
New Haven	8.6	124.3	26.7
New London	3.8	54.6	11.8
Tolland	1.3	19.0	4.1
Windham	1.5	21.0	4.5
SCC State Total	45.8	658.4	141.7

SCC: 21-03-004-001 Stationary Source Fuel Combustion - Commercial/Institutional - Distillate Oil - Boilers
Sector: Fuel Comb - Comm/Institutional - Oil

Fairfield	4.1	194.6	60.8
Hartford	4.3	203.7	63.7
Litchfield	0.4	20.7	6.5
Middlesex	0.6	26.0	8.1
New Haven	3.3	155.8	48.7
New London	0.9	44.5	13.9
Tolland	0.2	11.4	3.5
Windham	0.3	12.0	3.7
SCC State Total	14.2	668.6	208.9

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]	NOx [lb/day]	CO [lb/day]
Fairfield	26.9	386.6	83.2
Hartford	28.1	404.8	87.1
Litchfield	2.9	41.1	8.9
Middlesex	3.6	51.7	11.1
New Haven	21.5	309.6	66.6
New London	6.1	88.3	19.0
Tolland	1.6	22.6	4.9
Windham	1.7	23.8	5.1
SCC State Total	92.4	1,328.4	285.9

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]	NOx [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: 21-03-005-000 Stationary Source Fuel Combustion - Commercial/Institutional - Residual Oil - Total: All Boiler Types
Sector: Fuel Comb - Comm/Institutional - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.3	12.2	1.1
Hartford	0.3	12.8	1.2
Litchfield	0.0	1.3	0.1
Middlesex	0.0	1.6	0.1
New Haven	0.2	9.8	0.9
New London	0.1	2.8	0.3
Tolland	0.0	0.7	0.1
Windham	0.0	0.7	0.1
SCC State Total	0.9	41.9	3.8

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]	NOx [lb/day]	CO [lb/day]
Fairfield	44.0	800.0	672.0
Hartford	64.3	1,169.9	982.7
Litchfield	11.6	210.9	177.2
Middlesex	11.4	206.6	173.5
New Haven	37.1	675.1	567.1
New London	16.3	296.8	249.4
Tolland	5.7	103.3	86.8
Windham	6.3	114.1	95.8
SCC State Total	196.7	3,576.7	3,004.4

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]	NOx [lb/day]	CO [lb/day]
Fairfield	127.4	2,316.2	1,945.6
Hartford	133.4	2,425.4	2,037.3
Litchfield	13.6	246.5	207.1
Middlesex	17.0	309.5	260.0
New Haven	102.0	1,855.1	1,558.3
New London	29.1	529.2	444.5
Tolland	7.4	135.2	113.6
Windham	7.8	142.4	119.6
SCC State Total	437.8	7,959.5	6,686.0

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]	NOx [lb/day]	CO [lb/day]
Fairfield	1.4	39.6	22.2
Hartford	2.1	57.9	32.4
Litchfield	0.4	10.4	5.8
Middlesex	0.4	10.2	5.7
New Haven	1.2	33.4	18.7
New London	0.5	14.7	8.2
Tolland	0.2	5.1	2.9
Windham	0.2	5.6	3.2
SCC State Total	6.5	176.9	99.1

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]	NOx [lb/day]	CO [lb/day]
Fairfield	7.8	212.4	119.0
Hartford	8.1	222.4	124.6
Litchfield	0.8	22.6	12.7
Middlesex	1.0	28.4	15.9
New Haven	6.2	170.1	95.3
New London	1.8	48.5	27.2
Tolland	0.5	12.4	6.9
Windham	0.5	13.1	7.3
SCC State Total	26.7	730.0	408.8

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 [lb/day]	NOx [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]	NOx [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: All Boiler Types
Sector: Fuel Comb - Industrial Boilers, ICEs - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.1	11.0	2.8
Hartford	0.2	16.1	4.0
Litchfield	0.0	2.9	0.7
Middlesex	0.0	2.8	0.7
New Haven	0.1	9.3	2.3
New London	0.0	4.1	1.0
Tolland	0.0	1.4	0.4
Windham	0.0	1.6	0.4
SCC State Total	0.5	49.3	12.3

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]	NOx [lb/day]	CO [lb/day]
Fairfield	0.0	1.6	0.4
Hartford	0.0	1.7	0.4
Litchfield	0.0	0.2	0.0
Middlesex	0.0	0.2	0.1
New Haven	0.0	1.3	0.3
New London	0.0	0.4	0.1
Tolland	0.0	0.1	0.0
Windham	0.0	0.1	0.0
SCC State Total	0.1	5.5	1.4

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]	NOx [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]	NOx [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]	NOx [lb/day]	CO [lb/day]
Fairfield	33.3	731.8	233.7
Hartford	28.9	633.7	202.3
Litchfield	11.3	248.5	79.3
Middlesex	9.9	218.4	69.7
New Haven	31.5	692.1	221.0
New London	15.7	344.1	109.9
Tolland	8.3	183.0	58.4
Windham	7.0	154.5	49.3
SCC State Total	146.0	3,206.0	1,023.6

Subpart 4.1.3.3: Residential Residual Oil Combustion

(SCC 21-04-005-000 retired and not replaced)

SCC: 21-04-005-000 Stationary Source Fuel Combustion - Residential - Residual Oil - Total: All Combustor Types
Sector: Fuel Comb - Residential - Oil

County Name	VOC [lb/day]	NOx [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 4.1.3.4: 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]	NOx [lb/day]	CO [lb/day]
Fairfield	58.3	995.7	423.7
Hartford	71.5	1,222.2	520.1
Litchfield	4.4	75.8	32.3
Middlesex	4.4	74.4	31.6
New Haven	55.8	953.2	405.6
New London	6.5	110.5	47.0
Tolland	3.3	57.2	24.3
Windham	1.9	32.4	13.8
SCC State Total	206.0	3,521.5	1,498.5

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]	NOx [lb/day]	CO [lb/day]
Fairfield	14.3	367.0	104.1
Hartford	11.5	296.6	84.1
Litchfield	4.9	125.1	35.5
Middlesex	4.3	111.1	31.5
New Haven	11.1	284.5	80.7
New London	7.2	184.7	52.4
Tolland	4.4	111.9	31.7
Windham	2.6	67.5	19.1
SCC State Total	60.3	1,548.6	439.1

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 [lb/day]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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: 21-04-008-530 Stationary Source Fuel Combustion - Residential - Wood - Furnace: Indoor, pellet-fired, general
Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.2	0.3	1.1
Hartford	0.2	0.3	1.5
Litchfield	0.3	0.5	1.9
Middlesex	0.1	0.2	1.0
New Haven	0.1	0.2	1.0
New London	0.2	0.4	1.5
Tolland	0.1	0.3	1.1
Windham	0.1	0.2	0.9
SCC State Total	1.4	2.4	10.0

SCC: 21-04-008-610 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: outdoor
Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [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: 21-04-008-620 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: indoor
Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	37.2	1.1	198.6
Hartford	47.3	1.4	252.4
Litchfield	62.3	1.8	332.5
Middlesex	32.0	1.0	171.1
New Haven	31.1	0.9	166.3
New London	48.7	1.4	260.4
Tolland	34.5	1.0	184.4
Windham	30.3	0.9	161.6
SCC State Total	323.4	9.6	1,727.4

SCC: 21-04-008-630 Stationary Source Fuel Combustion - Residential - Wood - Hydronic heater: pellet-fired
Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.1	0.1	0.4
Hartford	0.1	0.1	0.5
Litchfield	0.1	0.2	0.6
Middlesex	0.0	0.1	0.3
New Haven	0.0	0.1	0.3
New London	0.1	0.1	0.5
Tolland	0.0	0.1	0.4
Windham	0.0	0.1	0.3
SCC State Total	0.5	0.8	3.3

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]	NOx [lb/day]	CO [lb/day]
Fairfield	533.7	73.4	4,207.6
Hartford	494.1	68.0	3,895.7
Litchfield	155.1	21.3	1,222.4
Middlesex	130.4	17.9	1,028.2
New Haven	464.5	63.9	3,662.0
New London	195.0	26.8	1,537.4
Tolland	107.2	14.7	845.2
Windham	84.5	11.6	666.3

SCC: 21-04-009-000 Stationary Source Fuel Combustion - Residential - Firelog - Total: All Combustor Types
Sector: Fuel Comb - Residential - Wood

County Name	VOC [lb/day]	NOx [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: All Heater Types
Sector: Fuel Comb - Residential - Oil

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.1	2.5	0.7
Hartford	0.1	2.1	0.6
Litchfield	0.0	0.8	0.2
Middlesex	0.0	0.7	0.2
New Haven	0.1	2.3	0.6
New London	0.0	1.2	0.3
Tolland	0.0	0.6	0.2
Windham	0.0	0.5	0.1
SCC State Total	0.4	10.8	3.0

Subpart 4.2.1: Bulk Plants 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]	NOx [lb/day]	CO [lb/day]
Fairfield	3.8	0	0
Hartford	129.2	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	9.9	0	0
New London	35.0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	178.0	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 [lb/day]	NOx [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 4.2.2: 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]	NOx [lb/day]	CO [lb/day]
Fairfield	278.7	0	0
Hartford	331.8	0	0
Litchfield	99.5	0	0
Middlesex	60.0	0	0
New Haven	185.9	0	0
New London	123.2	0	0
Tolland	93.7	0	0
Windham	86.9	0	0
SCC State Total	1,259.7	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]	NOx [lb/day]	CO [lb/day]
Fairfield	0.4	0	0
Hartford	0.5	0	0
Litchfield	0.1	0	0
Middlesex	0.1	0	0
New Haven	0.3	0	0
New London	0.2	0	0
Tolland	0.1	0	0
Windham	0.1	0	0
SCC State Total	1.8	0	0

Subpart 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]	NOx [lb/day]	CO [lb/day]
Fairfield	193.5	0	0
Hartford	197.6	0	0
Litchfield	33.5	0	0
Middlesex	43.3	0	0
New Haven	180.3	0	0
New London	66.9	0	0
Tolland	34.0	0	0
Windham	28.0	0	0
SCC State Total	777.1	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]	NOx [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]	NOx [lb/day]	CO [lb/day]
Fairfield	612.8	0	0
Hartford	626.0	0	0
Litchfield	106.1	0	0
Middlesex	137.1	0	0
New Haven	571.1	0	0
New London	212.0	0	0
Tolland	107.7	0	0
Windham	88.7	0	0
SCC State Total	2,461.4	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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	892.1	0	0
Hartford	911.1	0	0
Litchfield	154.5	0	0
Middlesex	199.6	0	0
New Haven	831.1	0	0
New London	308.8	0	0
Tolland	156.7	0	0
Windham	129.1	0	0
SCC State Total	3,583.0	0	0

Subpart 4.2.4: Gas Stations - Stage II and Other Refueling

SCC: 22-01-00-0062 Mobile Sources - Highway Vehicles - Gasoline - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1,512.0	0	0
Hartford	1,559.4	0	0
Litchfield	298.2	0	0
Middlesex	347.9	0	0
New Haven	1,521.1	0	0
New London	499.9	0	0
Tolland	312.1	0	0
Windham	191.3	0	0
SCC State Total	6,241.8	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]	NOx [lb/day]	CO [lb/day]
Fairfield	87.4	0	0
Hartford	92.4	0	0
Litchfield	15.1	0	0
Middlesex	20.8	0	0
New Haven	93.7	0	0
New London	32.7	0	0
Tolland	23.1	0	0
Windham	13.4	0	0
SCC State Total	378.5	0	0

SCC: 22-03-00-0062 Mobile Sources - Highway Vehicles - Compressed Natural Gas (CNG) - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [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: 22-04-00-0062 Mobile Sources - Highway Vehicles - Liquefied Petroleum Gas (LPG) - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [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: 22-05-00-0062 Mobile Sources - Highway Vehicles - Ethanol (E-85) - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [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: 22-09-00-0062 Mobile Sources - Highway Vehicles - Electricity - Refueling - Total Spillage and Displacement

Sector: Gas Stations

County Name	VOC [lb/day]	NOx [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 4.2.5: 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]	NOx [lb/day]	CO [lb/day]
Fairfield	56.9	0	0
Hartford	58.1	0	0
Litchfield	9.8	0	0
Middlesex	12.7	0	0
New Haven	53.0	0	0
New London	19.7	0	0
Tolland	10.0	0	0
Windham	8.2	0	0
SCC State Total	228.4	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]	NOx [lb/day]	CO [lb/day]
Fairfield	2,158.7	0	0
Hartford	1,656.7	0	0
Litchfield	293.7	0	0
Middlesex	48.9	0	0
New Haven	973.9	0	0
New London	321.3	0	0
Tolland	0	0	0
Windham	48.9	0	0
SCC State Total	5,502.1	0	0

Subpart 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]	NOx [lb/day]	CO [lb/day]
Fairfield	241.7	0	0
Hartford	152.9	0	0
Litchfield	43.8	0	0
Middlesex	30.2	0	0
New Haven	129.2	0	0
New London	32.6	0	0
Tolland	16.7	0	0
Windham	16.7	0	0
SCC State Total	663.8	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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	271.2	0	0
Hartford	171.6	0	0
Litchfield	49.1	0	0
Middlesex	33.9	0	0
New Haven	144.9	0	0
New London	36.6	0	0
Tolland	18.8	0	0
Windham	18.7	0	0
SCC State Total	744.8	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]	NOx [lb/day]	CO [lb/day]
Fairfield	53.8	0	0
Hartford	34.1	0	0
Litchfield	9.7	0	0
Middlesex	6.7	0	0
New Haven	28.8	0	0
New London	7.3	0	0
Tolland	3.7	0	0
Windham	3.7	0	0
SCC State Total	147.9	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]	NOx [lb/day]	CO [lb/day]
Fairfield	15.7	0	0
Hartford	9.9	0	0
Litchfield	2.8	0	0
Middlesex	2.0	0	0
New Haven	8.4	0	0
New London	2.1	0	0
Tolland	1.1	0	0
Windham	1.1	0	0
SCC State Total	43.0	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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	12.9	0	0
Hartford	8.1	0	0
Litchfield	2.3	0	0
Middlesex	1.6	0	0
New Haven	6.9	0	0
New London	1.7	0	0
Tolland	0.9	0	0
Windham	0.9	0	0
SCC State Total	35.3	0	0

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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	230.1	0	0
Hartford	145.6	0	0
Litchfield	41.7	0	0
Middlesex	28.8	0	0
New Haven	123.0	0	0
New London	31.0	0	0
Tolland	15.9	0	0
Windham	15.9	0	0
SCC State Total	631.9	0	0

Subpart 4.3.1: Solvent – Degreasing

SCC: 24-15-000-000 Solvent Utilization - Degreasing - All Processes/All Industries - Total: All Solvent Types
Sector: Solvent - Degreasing

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1,318.7	0	0
Hartford	1,958.8	0	0
Litchfield	284.3	0	0
Middlesex	329.8	0	0
New Haven	1,034.4	0	0
New London	574.0	0	0
Tolland	159.6	0	0
Windham	129.1	0	0
SCC State Total	5,788.6	0	0

Subpart 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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	35.8	0	0
Hartford	16.3	0	0
Litchfield	4.1	0	0
Middlesex	3.8	0	0
New Haven	21.7	0	0
New London	14.4	0	0
Tolland	4.8	0	0
Windham	0.8	0	0
SCC State Total	101.9	0	0

Subpart 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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	5,101.7	0	0
Hartford	5,843.1	0	0
Litchfield	644.2	0	0
Middlesex	78.0	0	0
New Haven	3,573.0	0	0
New London	983.4	0	0
Tolland	276.9	0	0
Windham	711.1	0	0
SCC State Total	17,211.3	0	0

Subpart 4.3.4: Solvent - Consumer & Commercial Solvent Use

SCC: 24-60-030-999 Solvent Utilization - Miscellaneous Non-industrial: Consumer and Commercial - Lighter Fluid, Fire Starter, Other Fuels - Total: All Volatile Chemical Product Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	103.6	0	0
Hartford	97.7	0	0
Litchfield	19.7	0	0
Middlesex	17.8	0	0
New Haven	93.6	0	0
New London	29.1	0	0
Tolland	16.5	0	0
Windham	12.8	0	0
SCC State Total	390.9	0	0

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]	NOx [lb/day]	CO [lb/day]
Fairfield	7,353.0	0	0
Hartford	6,937.9	0	0
Litchfield	1,401.4	0	0
Middlesex	1,261.3	0	0
New Haven	6,647.1	0	0
New London	2,067.6	0	0
Tolland	1,175.0	0	0
Windham	909.3	0	0
SCC State Total	27,752.5	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]	NOx [lb/day]	CO [lb/day]
Fairfield	5,152.3	0	0
Hartford	4,861.4	0	0
Litchfield	981.9	0	0
Middlesex	883.8	0	0
New Haven	4,657.6	0	0
New London	1,448.8	0	0
Tolland	823.3	0	0
Windham	637.1	0	0
SCC State Total	19,446.3	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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	207.1	0	0
Hartford	195.4	0	0
Litchfield	39.5	0	0
Middlesex	35.5	0	0
New Haven	187.2	0	0
New London	58.2	0	0
Tolland	33.1	0	0
Windham	25.6	0	0
SCC State Total	781.8	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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	3,624.7	0	0
Hartford	3,420.1	0	0
Litchfield	690.8	0	0
Middlesex	621.8	0	0
New Haven	3,276.7	0	0
New London	1,019.2	0	0
Tolland	579.2	0	0
Windham	448.2	0	0
SCC State Total	13,680.8	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]	NOx [lb/day]	CO [lb/day]
Fairfield	3,443.5	0	0
Hartford	3,249.1	0	0
Litchfield	656.3	0	0
Middlesex	590.7	0	0
New Haven	3,112.9	0	0
New London	968.3	0	0
Tolland	550.3	0	0
Windham	425.8	0	0
SCC State Total	12,996.8	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]	NOx [lb/day]	CO [lb/day]
Fairfield	207.1	0	0
Hartford	195.4	0	0
Litchfield	39.5	0	0
Middlesex	35.5	0	0
New Haven	187.2	0	0
New London	58.2	0	0
Tolland	33.1	0	0
Windham	25.6	0	0
SCC State Total	781.8	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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	103.6	0	0
Hartford	97.7	0	0
Litchfield	19.7	0	0
Middlesex	17.8	0	0
New Haven	93.6	0	0
New London	29.1	0	0
Tolland	16.5	0	0
Windham	12.8	0	0
SCC State Total	390.9	0	0

Subpart 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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	3,534.1	0	0
Hartford	3,334.6	0	0
Litchfield	673.5	0	0
Middlesex	606.2	0	0
New Haven	3,194.8	0	0
New London	993.7	0	0
Tolland	564.8	0	0
Windham	437.0	0	0
SCC State Total	13,338.8	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]	NOx [lb/day]	CO [lb/day]
Fairfield	573.7	0	0
Hartford	657.8	0	0
Litchfield	137.7	0	0
Middlesex	88.3	0	0
New Haven	532.9	0	0
New London	189.2	0	0
Tolland	95.2	0	0
Windham	59.6	0	0
SCC State Total	2,334.4	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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1,567.1	0	0
Hartford	1,664.0	0	0
Litchfield	249.0	0	0
Middlesex	363.2	0	0
New Haven	1,506.6	0	0
New London	552.8	0	0
Tolland	285.3	0	0
Windham	233.6	0	0
SCC State Total	6,421.7	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]	NOx [lb/day]	CO [lb/day]
Fairfield	5.3	0	0
Hartford	6.0	0	0
Litchfield	2.0	0	0
Middlesex	0	0	0
New Haven	9.0	0	0
New London	1.7	0	0
Tolland	1.7	0	0
Windham	4.2	0	0
SCC State Total	29.9	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]	NOx [lb/day]	CO [lb/day]
Fairfield	82.2	0	0
Hartford	441.9	0	0
Litchfield	50.6	0	0
Middlesex	12.5	0	0
New Haven	111.1	0	0
New London	21.6	0	0
Tolland	14.6	0	0
Windham	5.7	0	0
SCC State Total	740.3	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]	NOx [lb/day]	CO [lb/day]
Fairfield	4.1	0	0
Hartford	29.1	0	0
Litchfield	3.9	0	0
Middlesex	0	0	0
New Haven	26.4	0	0
New London	4.1	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	67.6	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]	NOx [lb/day]	CO [lb/day]
Fairfield	4.5	0	0
Hartford	59.1	0	0
Litchfield	4.5	0	0
Middlesex	0	0	0
New Haven	30.4	0	0
New London	79.1	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	177.7	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]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	73.3	0	0
Litchfield	0	0	0
Middlesex	73.3	0	0
New Haven	73.3	0	0
New London	0	0	0
Tolland	12.2	0	0
Windham	0	0	0
SCC State Total	232.1	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]	NOx [lb/day]	CO [lb/day]
Fairfield	161.0	0	0
Hartford	0	0	0
Litchfield	18.9	0	0
Middlesex	0.1	0	0
New Haven	84.9	0	0
New London	25.5	0	0
Tolland	29.0	0	0
Windham	8.2	0	0
SCC State Total	327.6	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]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	25.1	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	25.1	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]	NOx [lb/day]	CO [lb/day]
Fairfield	74.2	0	0
Hartford	45.0	0	0
Litchfield	7.2	0	0
Middlesex	9.8	0	0
New Haven	112.4	0	0
New London	20.9	0	0
Tolland	3.9	0	0
Windham	76.1	0	0
SCC State Total	349.4	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]	NOx [lb/day]	CO [lb/day]
Fairfield	27.4	0	0
Hartford	67.4	0	0
Litchfield	101.5	0	0
Middlesex	60.6	0	0
New Haven	62.7	0	0
New London	1.2	0	0
Tolland	0.6	0	0
Windham	0.1	0	0
SCC State Total	321.6	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]	NOx [lb/day]	CO [lb/day]
Fairfield	183.6	0	0
Hartford	383.3	0	0
Litchfield	0.2	0	0
Middlesex	58.3	0	0
New Haven	11.5	0	0
New London	1.3	0	0
Tolland	0	0	0
Windham	8.3	0	0
SCC State Total	646.6	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]	NOx [lb/day]	CO [lb/day]
Fairfield	203.9	0	0
Hartford	0	0	0
Litchfield	0	0	0
Middlesex	18.6	0	0
New Haven	49.4	0	0
New London	10,741.8	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	11,013.7	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]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	0	0	0
Litchfield	1.3	0	0
Middlesex	0	0	0
New Haven	1.3	0	0
New London	0	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	2.5	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]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	196.5	0	0
Litchfield	96.7	0	0
Middlesex	0	0	0
New Haven	277.9	0	0
New London	21.7	0	0
Tolland	244.9	0	0
Windham	0	0	0
SCC State Total	837.6	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]	NOx [lb/day]	CO [lb/day]
Fairfield	1,196.2	0	0
Hartford	1,128.6	0	0
Litchfield	228.0	0	0
Middlesex	205.2	0	0
New Haven	1,081.3	0	0
New London	336.3	0	0
Tolland	191.1	0	0
Windham	147.9	0	0
SCC State Total	4,514.7	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]	NOx [lb/day]	CO [lb/day]
Fairfield	761.2	0	0
Hartford	718.1	0	0
Litchfield	145.1	0	0
Middlesex	130.6	0	0
New Haven	688.1	0	0
New London	70.2	0	0
Tolland	121.6	0	0
Windham	94.1	0	0
SCC State Total	2,729.0	0	0

Subpart 4.3.6: Asphalt Paving

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]	NOx [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]	NOx [lb/day]	CO [lb/day]
Fairfield	5.6	0	0
Hartford	5.9	0	0
Litchfield	0.9	0	0
Middlesex	1.4	0	0
New Haven	5.5	0	0
New London	2.1	0	0
Tolland	1.0	0	0
Windham	0.8	0	0
SCC State Total	23.1	0	0

SCC: 24-61-025-100 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Asphalt Paving: Hot and Warm Mix - Hot Mix Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1,764.1	0	0
Hartford	1,840.6	0	0
Litchfield	271.1	0	0
Middlesex	428.5	0	0
New Haven	1,716.4	0	0
New London	646.2	0	0
Tolland	321.6	0	0
Windham	265.3	0	0
SCC State Total	7,253.9	0	0

SCC: 24-61-025-200 Solvent Utilization - Miscellaneous Non-industrial: Commercial - Asphalt Paving: Hot and Warm Mix - Warm Mix Total: All Solvent Types

Sector: Solvent - Consumer & Commercial Solvent Use

County Name	VOC [lb/day]	NOx [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 4.4.1: Agriculture - 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]	NOx [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: 28-05-100-010 Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Beef cattle - finishing operations on feedlots (drylots)

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [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: 28-05-100-020 Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Dairy Cattle

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [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: 28-05-100-030 Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Broilers

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [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: **28-05-100-040** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Layers

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [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: **28-05-100-050** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Swine

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [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: **28-05-100-060** Miscellaneous Area Sources - Agriculture Production - Livestock - Dust kicked up by Livestock - Turkeys

Sector: Agriculture - Crops & Livestock Dust

County Name	VOC [lb/day]	NOx [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 4.4.2: Agriculture 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]	NOx [lb/day]	CO [lb/day]
Fairfield	2.8	0	0
Hartford	8.1	0	0
Litchfield	25.6	0	0
Middlesex	3.8	0	0
New Haven	6.4	0	0
New London	18.3	0	0
Tolland	15.2	0	0
Windham	22.3	0	0
SCC State Total	102.3	0	0

SCC: 28-05-007-100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry Waste - Poultry Production - Layers with Dry Manure Management Systems: Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	226.0	0	0
Hartford	71.7	0	0
Litchfield	100.3	0	0
Middlesex	33.6	0	0
New Haven	53.0	0	0
New London	0	0	0
Tolland	56.2	0	0
Windham	36.1	0	0
SCC State Total	576.9	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]	NOx [lb/day]	CO [lb/day]
Fairfield	0.4	0	0
Hartford	0.3	0	0
Litchfield	1.3	0	0
Middlesex	0.7	0	0
New Haven	0.4	0	0
New London	1.7	0	0
Tolland	0.2	0	0
Windham	0.6	0	0
SCC State Total	5.5	0	0

SCC: 28-05-010-100 Miscellaneous Area Sources - Agriculture Production - Livestock - Poultry production - turkeys - Confinement

Sector: Agriculture - Livestock Waste

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.2	0	0
Hartford	0.2	0	0
Litchfield	0.4	0	0
Middlesex	0.0	0	0
New Haven	0.3	0	0
New London	0.1	0	0
Tolland	0.3	0	0
Windham	0.1	0	0
SCC State Total	1.6	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]	NOx [lb/day]	CO [lb/day]
Fairfield	4.8	0	0
Hartford	19.4	0	0
Litchfield	91.3	0	0
Middlesex	7.2	0	0
New Haven	10.5	0	0
New London	128.7	0	0
Tolland	109.3	0	0
Windham	131.6	0	0
SCC State Total	502.9	0	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 [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.8	0	0
Hartford	4.7	0	0
Litchfield	8.6	0	0
Middlesex	0.4	0	0
New Haven	4.9	0	0
New London	11.0	0	0
Tolland	2.7	0	0
Windham	4.0	0	0
SCC State Total	37.1	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]	NOx [lb/day]	CO [lb/day]
Fairfield	10.3	0	0
Hartford	13.2	0	0
Litchfield	18.1	0	0
Middlesex	11.5	0	0
New Haven	11.1	0	0
New London	14.4	0	0
Tolland	11.0	0	0
Windham	5.5	0	0
SCC State Total	95.2	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]	NOx [lb/day]	CO [lb/day]
Fairfield	0.6	0	0
Hartford	2.2	0	0
Litchfield	5.1	0	0
Middlesex	1.2	0	0
New Haven	0.9	0	0
New London	2.9	0	0
Tolland	2.4	0	0
Windham	2.2	0	0
SCC State Total	17.7	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]	NOx [lb/day]	CO [lb/day]
Fairfield	2.1	0	0
Hartford	6.4	0	0
Litchfield	6.8	0	0
Middlesex	3.4	0	0
New Haven	3.9	0	0
New London	7.7	0	0
Tolland	4.2	0	0
Windham	5.2	0	0
SCC State Total	39.8	0	0

Subpart 4.4.3: Agriculture Fertilizer

SCC: **28-01-700-099** Miscellaneous Area Sources - Agriculture Production - Crops - Fertilizer Application - Miscellaneous Fertilizers

Sector: Agriculture - Fertilizer Application

County Name	VOC [lb/day]	NOx [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 4.4.4: Agricultural Field Burning

SCC: 28-01-500-000 Miscellaneous Area Sources - Agriculture Production - Crops - Agricultural Field Burning

- whole field set on fire - Unspecified crop type and Burn Method

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [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 - 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]	NOx [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 - 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]	NOx [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 - 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]	NOx [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 - Agricultural Field Burning - whole field set on fire - Fallow

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [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 - 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]	NOx [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 - 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]	NOx [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 - Agricultural Field Burning - whole field set on fire - Field Crop is Wheat: Backfire Burning

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [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 - Agricultural Field Burning - whole field set on fire - DoubleCrop Winter Wheat and Soybeans

Sector: Fires - Agricultural Field Burning

County Name	VOC [lb/day]	NOx [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 4.4.5: Agricultural 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]	NOx [lb/day]	CO [lb/day]
Fairfield	20.8	0	0
Hartford	113.1	0	0
Litchfield	49.2	0	0
Middlesex	14.2	0	0
New Haven	43.7	0	0
New London	41.7	0	0
Tolland	39.5	0	0
Windham	44.4	0	0
SCC State Total	366.6	0	0

Subpart 4.4.6: Agricultural Silage

SCC: 28-02-004-001 Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Storage
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	17.4	0	0
Hartford	71.3	0	0
Litchfield	346.0	0	0
Middlesex	26.5	0	0
New Haven	38.9	0	0
New London	457.5	0	0
Tolland	392.9	0	0
Windham	481.3	0	0
SCC State Total	1,831.8	0	0

SCC: 28-02-004-002 Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Mixing
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	1.3	0	0
Hartford	5.3	0	0
Litchfield	25.9	0	0
Middlesex	2.0	0	0
New Haven	2.9	0	0
New London	34.3	0	0
Tolland	29.4	0	0
Windham	36.1	0	0
SCC State Total	137.2	0	0

SCC: 28-02-004-003 Miscellaneous Area Sources - Agricultural Crop Usage - Agriculture Silage - Feeding
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	12.7	0	0
Hartford	52.0	0	0
Litchfield	252.4	0	0
Middlesex	19.4	0	0
New Haven	28.4	0	0
New London	333.7	0	0
Tolland	286.6	0	0
Windham	351.0	0	0
SCC State Total	1,336.1	0	0

Subpart 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]	NOx [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 4.5.2: Unpaved Roads

SCC: 22-96-000-000 Mobile Sources - Unpaved Roads - All Unpaved Roads - Total: Fugitives
Sector: Dust - Unpaved Road Dust

County Name	VOC [lb/day]	NOx [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: Residential Construction Dust

SCC: 23-11-010-000 Industrial Processes - Construction: SIC 15 - 17 - Residential - Total
Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NOx [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: Non-Residential Construction Dust

SCC: 23-11-020-000 Industrial Processes - Construction: SIC 15 - 17 - Industrial/Commercial/Institutional - Total
Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NOx [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 - Total
Sector: Dust - Construction Dust

County Name	VOC [lb/day]	NOx [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 4.6: 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]	NOx [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: **23-10-000-551** Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from CBM Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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: **23-10-000-552** Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Gas Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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: **23-10-000-553** Industrial Processes - Oil and Gas Exploration and Production - All Processes - Produced Water from Oil Wells

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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]	NOx [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]	NOx [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 & Standing/Working/Breathing

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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]	NOx [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: 23-10-011-001 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Associated Gas Venting

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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: 23-10-011-600 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Oil Production - Artificial Lift Engines

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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]	NOx [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]	NOx [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]	NOx [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 Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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 Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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]	NOx [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]	NOx [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 Compressor Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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: 23-10-021-801 Industrial Processes - Oil and Gas Exploration and Production - On-Shore Gas Production - Pipeline Blowdowns and Pigging

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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 Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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 Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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]	NOx [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 Engines 50 To 499 HP

Sector: Industrial Processes - Oil & Gas Production

County Name	VOC [lb/day]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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]	NOx [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 4.7.1: Mining and Quarrying

SCC: **23-25-000-000** Industrial Processes - Mining and Quarrying: SIC 10 and SIC 14 - All Processes - Total

Sector: Industrial Processes - Mining

County Name	VOC [lb/day]	NOx [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 4.7.2: 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]	NOx [lb/day]	CO [lb/day]
Fairfield	122.6	0	408.8
Hartford	88.4	0	294.6
Litchfield	17.8	0	59.4
Middlesex	16.9	0	56.4
New Haven	98.5	0	328.3
New London	23.0	0	76.8
Tolland	9.5	0	31.5
Windham	7.8	0	26.1
SCC State Total	384.5	0	1,281.9

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]	NOx [lb/day]	CO [lb/day]
Fairfield	431.6	0	1,411.9
Hartford	304.5	0	996.0
Litchfield	64.0	0	209.2
Middlesex	59.3	0	194.1
New Haven	334.1	0	1,093.0
New London	85.0	0	277.9
Tolland	31.1	0	101.7
Windham	23.8	0	78.0
SCC State Total	1,333.4	0	4,361.9

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]	NOx [lb/day]	CO [lb/day]
Fairfield	78.8	0	0
Hartford	55.7	0	0
Litchfield	11.3	0	0
Middlesex	10.9	0	0
New Haven	62.8	0	0
New London	15.4	0	0
Tolland	5.9	0	0
Windham	4.7	0	0
SCC State Total	245.4	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]	NOx [lb/day]	CO [lb/day]
Fairfield	56.0	0	116.5
Hartford	40.0	0	83.1
Litchfield	8.4	0	17.5
Middlesex	7.7	0	16.0
New Haven	43.4	0	90.2
New London	10.9	0	22.7
Tolland	4.1	0	8.5
Windham	3.2	0	6.6
SCC State Total	173.8	0	361.1

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]	NOx [lb/day]	CO [lb/day]
Fairfield	2.8	0	0
Hartford	2.0	0	0
Litchfield	0.4	0	0
Middlesex	0.4	0	0
New Haven	2.3	0	0
New London	0.5	0	0
Tolland	0.2	0	0
Windham	0.2	0	0
SCC State Total	8.8	0	0

Subpart 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]	NOx [lb/day]	CO [lb/day]
Fairfield	153.5	56.9	2,750.7
Hartford	154.4	57.2	2,765.9
Litchfield	37.9	14.0	678.4
Middlesex	31.6	11.7	565.7
New Haven	147.8	54.8	2,647.7
New London	50.9	18.9	912.6
Tolland	26.4	9.8	473.9
Windham	22.0	8.2	394.5
SCC State Total	624.5	231.4	11,189.4

Subpart 4.8: Prescribed Burning and Wildfires (Events)

SCC: 28-10-001-001 Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Smoldering
Sector: Fires - Wildfires

County Name	VOC [lb/day]	NOx [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: 28-10-001-002 Miscellaneous Area Sources - Other Combustion - Forest Wildfires - Flaming
Sector: Fires - Wildfires

County Name	VOC [lb/day]	NOx [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: 28-11-015-001 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Forest Burning - Smoldering
Sector: Fires - Prescribed Fires

County Name	VOC [lb/day]	NOx [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]	NOx [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: 28-11-020-002 Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Rangeland Burning - Flaming

Sector: Fires - Prescribed Fires

County Name	VOC [lb/day]	NOx [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: **28-11-021-000** Miscellaneous Area Sources - Other Combustion - as Event - Prescribed Rangeland Burning - Tallgrass Prairie - Total (Smoldering + Flaming)

Sector: Fires - Prescribed Fires

County Name	VOC [lb/day]	NOx [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 4.9.1: Waste Recycling Composting

SCC: **26-80-003-000** Waste Disposal, Treatment, and Recovery - Composting - 100% Green Waste (e.g., residential or municipal yard wastes) - All Processes

Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0	0	0
Hartford	3,125.4	0	0
Litchfield	0	0	0
Middlesex	0	0	0
New Haven	520.9	0	0
New London	520.9	0	0
Tolland	0	0	0
Windham	0	0	0
SCC State Total	4,167.2	0	0

Subpart 4.9.2.1: Waste Disposal Open Burning 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]	NOx [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]	NOx [lb/day]	CO [lb/day]
Fairfield	4.2	1.1	30.6
Hartford	9.6	2.5	70.5
Litchfield	15.6	4.1	114.8
Middlesex	8.0	2.1	59.3
New Haven	3.1	0.8	22.9
New London	14.0	3.7	103.2
Tolland	11.5	3.0	85.1
Windham	11.7	3.1	85.9
SCC State Total	77.7	20.4	572.4

Subpart 4.9.2.2: Open Burning 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 [lb/day]	NOx [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: Waste Disposal Open Burning 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]	NOx [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 4.9.3: 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]	NOx [lb/day]	CO [lb/day]
Fairfield	123.6	0	0
Hartford	52.3	0	0
Litchfield	12.5	0	0
Middlesex	28.4	0	0
New Haven	120.7	0	0
New London	25.2	0	0
Tolland	8.1	0	0
Windham	9.9	0	0
SCC State Total	**380.6**	**0**	**0**

Subpart 4.9.4: Cremation or Other Nonpoint Non-Combustion-Related Mercury Source

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]	NOx [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]	NOx [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]	NOx [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: 28-10-060-100 Miscellaneous Area Sources - Other Combustion - Cremation - Humans
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.4	4.4	3.6
Hartford	0.4	5.0	4.2
Litchfield	0.1	1.1	0.9
Middlesex	0.1	0.9	0.8
New Haven	0.4	4.9	4.1
New London	0.1	1.4	1.2
Tolland	0.1	0.6	0.5
Windham	0.1	0.6	0.5
SCC State Total	1.6	19.0	15.8

SCC: 28-10-060-200 Miscellaneous Area Sources - Other Combustion - Cremation - Animals
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	0.0	0.0	0.0
Hartford	0.0	0.0	0.0
Litchfield	0.0	0.0	0.0
Middlesex	0.0	0.0	0.0
New Haven	0.0	0.0	0.0
New London	0.0	0.0	0.0
Tolland	0.0	0.0	0.0
Windham	0.0	0.0	0.0
SCC State Total	**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 [lb/day]	NOx [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 - Total
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [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 - Fluorescent Lamp Breakage - Non-recycling Related Emissions: Total
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [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 - Fluorescent Lamp Breakage - Recycling Related Emissions: Total
Sector: Miscellaneous Non-Industrial NEC

County Name	VOC [lb/day]	NOx [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 4.9.5: Municipal Landfill Emissions

SCC: 26-20-030-000 Waste Disposal, Treatment, and Recovery - Landfills - Municipal - Total
Sector: Waste Disposal

County Name	VOC [lb/day]	NOx [lb/day]	CO [lb/day]
Fairfield	241.1	0	0
Hartford	648.7	0	0
Litchfield	498.3	0	0
Middlesex	12.4	0	0
New Haven	114.0	0	0
New London	54.8	0	0
Tolland	27.8	0	0
Windham	33.9	0	0
SCC State Total	1,631.0	0	0

Table I-3: Area Source Grouping Description

Data Grouping Name	Section Number	Appendix I Heading or 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	28-05-100-010	Miscellaneous Area Sources _Agriculture Production - Livestock _Dust kicked up by Livestock _Beef cattle - finishing operations on feedlots (drylots)
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-100-020	Miscellaneous Area Sources _Agriculture Production - Livestock _Dust kicked up by Livestock _Dairy Cattle
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-100-030	Miscellaneous Area Sources _Agriculture Production - Livestock _Dust kicked up by Livestock _Broilers
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-100-040	Miscellaneous Area Sources _Agriculture Production - Livestock _Dust kicked up by Livestock _Layers
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-100-050	Miscellaneous Area Sources _Agriculture Production - Livestock _Dust kicked up by Livestock _Swine
Agriculture	4.4.1	Agriculture - Crops & Livestock Dust	28-05-100-060	Miscellaneous Area Sources _Agriculture Production - Livestock _Dust kicked up by Livestock _Turkeys
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	28-05-010-100	Miscellaneous Area Sources _Agriculture Production - Livestock _Poultry production - turkeys _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

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
				composite _Not Elsewhere Classified (see also 28-05-039, -047, -053)
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 Emissions _Not Elsewhere Classified
Agriculture	4.4.3	Agriculture Fertilizer	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	28-01-500-160	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	28-01-500-171	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 - whole field set on fire _Field Crop is Sugar Cane: Burning Techniques Not Significant

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
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	28-01-500-264	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
Agriculture	4.4.6	Agricultural Silage	28-02-004-001	Miscellaneous Area Sources _Agricultural Crop Usage _Agriculture Silage _Storage
Agriculture	4.4.6	Agricultural Silage	28-02-004-002	Miscellaneous Area Sources _Agricultural Crop Usage _Agriculture Silage _Mixing
Agriculture	4.4.6	Agricultural Silage	28-02-004-003	Miscellaneous Area Sources _Agricultural Crop Usage _Agriculture Silage _Feeding
Asphalt Paving	4.3.6	Asphalt Paving	24-61-021-000	Solvent Utilization _Miscellaneous Non-industrial: Commercial _Cutback Asphalt _Total: All Solvent Types
Asphalt Paving	4.3.6	Asphalt Paving	24-61-022-000	Solvent Utilization _Miscellaneous Non-industrial: Commercial _Emulsified Asphalt _Total: All Solvent Types
Asphalt Paving	4.3.6	Asphalt Paving	24-61-025-100	Solvent Utilization _Miscellaneous Non-industrial: Commercial _Asphalt Paving: Hot and Warm Mix _Hot Mix Total: All Solvent Types
Asphalt Paving	4.3.6	Asphalt Paving	24-61-025-200	Solvent Utilization _Miscellaneous Non-industrial: Commercial _Asphalt Paving: Hot and Warm Mix _Warm Mix Total: All Solvent Types
Aviation Gasoline Distribution	4.2.2	Aviation Gasoline, Stage 1 and 2 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, Stage 1 and 2 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

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
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
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	Residential Construction Dust	23-11-010-000	Industrial Processes _Construction: SIC 15 - 17 _Residential _Total
Construction Dust	4.5.3.2	Non-Residential Construction Dust	23-11-020-000	Industrial Processes _Construction: SIC 15 - 17 _Industrial/Commercial/Institutional _Total
Construction Dust	4.5.3.3	Road Construction	23-11-030-000	Industrial Processes _Construction: SIC 15 - 17 _Road Construction _Total
Cremation or Other Nonpoint Non-Combustion-Related Mercury Sources	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Source	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 Sources	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Source	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 Sources	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Source	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 Sources	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Source	28-10-060-100	Miscellaneous Area Sources _Other Combustion _Cremation _Humans
Cremation or Other Nonpoint	4.9.4	Cremation or Other Nonpoint Non-	28-10-060-200	Miscellaneous Area Sources _Other Combustion _Cremation _Animals

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
Non-Combustion-Related Mercury Sources		Combustion-Related Mercury Source		
Cremation or Other Nonpoint Non-Combustion-Related Mercury Sources	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Source	28-50-001-000	Miscellaneous Area Sources _Health Services _Dental Alloy Production _Overall Process
Cremation or Other Nonpoint Non-Combustion-Related Mercury Sources	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Source	28-51-001-000	Miscellaneous Area Sources _Laboratories _Bench Scale Reagents _Total
Cremation or Other Nonpoint Non-Combustion-Related Mercury Sources	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Source	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 Sources	4.9.4	Cremation or Other Nonpoint Non-Combustion-Related Mercury Source	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	ICI Coal Combustion	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	ICI Coal Combustion	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	ICI Distillate Oil Combustion	21-03-004-001	Stationary Source Fuel Combustion _Commercial/Institutional _Distillate Oil _Boilers
Fuel Combustion Commercial and Institutional Distillate Oil	4.1.2.2	ICI Distillate Oil Combustion	21-03-004-002	Stationary Source Fuel Combustion _Commercial/Institutional _Distillate Oil _IC Engines
Fuel Combustion Commercial and Institutional Kerosene	4.1.2.7	ICI Kerosene Combustion	21-03-011-000	Stationary Source Fuel Combustion _Commercial/Institutional _Kerosene _Total: All Combustor Types
Fuel Combustion Commercial and	4.1.2.5	ICI LPG Combustion	21-03-007-000	Stationary Source Fuel Combustion _Commercial/Institutional _Liquified

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
Institutional Liquified Petroleum Gas (LPG)				Petroleum Gas (LPG) _Total: All Combustor Types
Fuel Combustion Commercial and Institutional Natural Gas	4.1.2.4	ICI Natural Gas Combustion	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	ICI Residual Oil Combustion	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	ICI Wood Combustion	21-03-008-000	Stationary Source Fuel Combustion _Commercial/Institutional _Wood _Total: All Boiler Types
Fuel Combustion Industrial Coal	4.1.2.1	ICI Coal Combustion	21-02-001-000	Stationary Source Fuel Combustion _Industrial _Anthracite Coal _Total: All Boiler Types
Fuel Combustion Industrial Coal	4.1.2.1	ICI Coal Combustion	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	ICI Distillate Oil Combustion	21-02-004-001	Stationary Source Fuel Combustion _Industrial _Distillate Oil _All Boiler Types
Fuel Combustion Industrial Distillate Oil	4.1.2.2	ICI Distillate Oil Combustion	21-02-004-002	Stationary Source Fuel Combustion _Industrial _Distillate Oil _All IC Engine Types
Fuel Combustion Industrial Kerosene	4.1.2.7	ICI Kerosene Combustion	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	ICI LPG Combustion	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	ICI Natural Gas Combustion	21-02-006-000	Stationary Source Fuel Combustion _Industrial _Natural Gas _Total: Boilers and IC Engines
Fuel Combustion Industrial Residual Oil	4.1.2.3	ICI Residual Oil Combustion	21-02-005-000	Stationary Source Fuel Combustion _Industrial _Residual Oil _Total: All Boiler Types
Fuel Combustion Industrial Wood	4.1.2.6	ICI Wood Combustion	21-02-008-000	Stationary Source Fuel Combustion _Industrial _Wood _Total: All Boiler Types

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
Gas Stations	4.2.4	Gas Stations - Stage II and Other Refueling	22-01-00-0062	Mobile Sources _Highway Vehicles - Gasoline _Refueling _Total Spillage and Displacement
Gas Stations	4.2.4	Gas Stations - Stage II and Other Refueling	22-02-00-0062	Mobile Sources _Highway Vehicles - Diesel _Refueling _Total Spillage and Displacement
Gas Stations	4.2.4	Gas Stations - Stage II and Other Refueling	22-03-00-0062	Mobile Sources _Highway Vehicles - Compressed Natural Gas (CNG) _Refueling _Total Spillage and Displacement
Gas Stations	4.2.4	Gas Stations - Stage II and Other Refueling	22-04-00-0062	Mobile Sources _Highway Vehicles - Liquefied Petroleum Gas (LPG) _Refueling _Total Spillage and Displacement
Gas Stations	4.2.4	Gas Stations - Stage II and Other Refueling	22-05-00-0062	Mobile Sources _Highway Vehicles - Ethanol (E-85) _Refueling _Total Spillage and Displacement
Gas Stations	4.2.4	Gas Stations - Stage II and Other Refueling	22-09-00-0062	Mobile Sources _Highway Vehicles - Electricity _Refueling _Total Spillage and Displacement
Gas Stations - Stage I	4.2.3	Stage I Gasoline Distribution	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	Stage I Gasoline Distribution	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	Stage I Gasoline Distribution	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	Stage I Gasoline Distribution	25-01-060-201	Storage and Transport _Petroleum and Petroleum Product Storage _Gasoline Service Stations _Underground Tank: Breathing and Emptying
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

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
Municipal Landfill Emissions	4.9.5	Municipal Landfill Emissions	26-20-030-000	Waste Disposal, Treatment, and Recovery _Landfills _Municipal _Total
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	23-10-000-551	Industrial Processes _Oil and Gas Exploration and Production _All Processes _Produced Water from CBM Wells
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-552	Industrial Processes _Oil and Gas Exploration and Production _All Processes _Produced Water from Gas Wells
Oil and Gas Production	4.6	Oil and Gas Production	23-10-000-553	Industrial Processes _Oil and Gas Exploration and Production _All Processes _Produced Water from Oil Wells
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	23-10-011-001	Industrial Processes _Oil and Gas Exploration and Production _On-Shore Oil Production _Associated Gas Venting
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

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
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	23-10-011-600	Industrial Processes _Oil and Gas Exploration and Production _On-Shore Oil Production _Artificial Lift Engines
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 _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

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
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
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	23-10-021-801	Industrial Processes _Oil and Gas Exploration and Production _On-Shore Gas Production _Pipeline Blowdowns and Pigging
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	23-10-023-300	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 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

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
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	23-10-111-100	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 _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)

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
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	25-01-012-011	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	25-01-012-014	Storage and Transport _Petroleum and Petroleum Product Storage _Commercial Portable Gas Cans _Refilling at the Pump - Vapor Displacement
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
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-11-020-002	Miscellaneous Area Sources _Other Combustion - as Event _Prescribed Rangeland Burning _Flaming
Prescribed Burning and Wildfires (Events)	4.8	Prescribed Burning and Wildfires (Events)	28-11-021-000	Miscellaneous Area Sources _Other Combustion - as Event _Prescribed Rangeland Burning - Tallgrass Prairie _Total (Smoldering + Flaming)
Publicly Owned Treatment Works (POTW)	4.9.3	Publicly 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 Coal Combustion	21-04-001-000	Stationary Source Fuel Combustion _Residential _Anthracite Coal _Total: All Combustor Types

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
Residential Heating: Coal	4.1.3.1	Residential Coal Combustion	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 Distillate Oil Combustion	21-04-004-000	Stationary Source Fuel Combustion _Residential _Distillate Oil _Total: All Combustor Types
Residential Heating: Kerosene	4.1.3.7	Residential Kerosene Combustion	21-04-011-000	Stationary Source Fuel Combustion _Residential _Kerosene _Total: All Heater Types
Residential Heating: LPG	4.1.3.5	Residential LPG Combustion	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 Natural Gas Combustion	21-04-006-000	Stationary Source Fuel Combustion _Residential _Natural Gas _Total: All Combustor Types
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	21-04-008-100	Stationary Source Fuel Combustion _Residential _Wood _Fireplace: general
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	21-04-008-210	Stationary Source Fuel Combustion _Residential _Wood _Woodstove: fireplace inserts; non-EPA certified
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	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 Wood Combustion	21-04-008-230	Stationary Source Fuel Combustion _Residential _Wood _Woodstove: fireplace inserts; EPA certified; catalytic
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	21-04-008-310	Stationary Source Fuel Combustion _Residential _Wood _Woodstove: freestanding, non-EPA certified
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	21-04-008-320	Stationary Source Fuel Combustion _Residential _Wood _Woodstove: freestanding, EPA certified, non-catalytic
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	21-04-008-330	Stationary Source Fuel Combustion _Residential _Wood _Woodstove: freestanding, EPA certified, catalytic
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	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 Wood Combustion	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 Wood Combustion	21-04-008-530	Stationary Source Fuel Combustion _Residential _Wood _Furnace: Indoor, pellet-fired, general

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	21-04-008-610	Stationary Source Fuel Combustion _Residential _Wood _Hydronic heater: outdoor
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	21-04-008-620	Stationary Source Fuel Combustion _Residential _Wood _Hydronic heater: indoor
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	21-04-008-630	Stationary Source Fuel Combustion _Residential _Wood _Hydronic heater: pellet-fired
Residential Heating: Wood	4.1.3.6	Residential Wood Combustion	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 Wood Combustion	21-04-009-000	Stationary Source Fuel Combustion _Residential _Firelog _Total: All Combustor Types
Residential Residual Oil Combustion	4.1.3.3	Residential Residual Oil Combustion – SCC 21-04-005-000 retired and not replaced.	21-04-005-000	Stationary Source Fuel Combustion _Residential _Residual Oil _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	4.5.2	Unpaved Roads	22-96-000-000	Mobile Sources _Unpaved Roads _All Unpaved Roads _Total: Fugitives
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-030-999	Solvent Utilization _Miscellaneous Non-industrial: Consumer and Commercial _Lighter Fluid, Fire Starter, Other Fuels _Total: All Volatile Chemical Product Types
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-100-000	Solvent Utilization _Miscellaneous Non-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

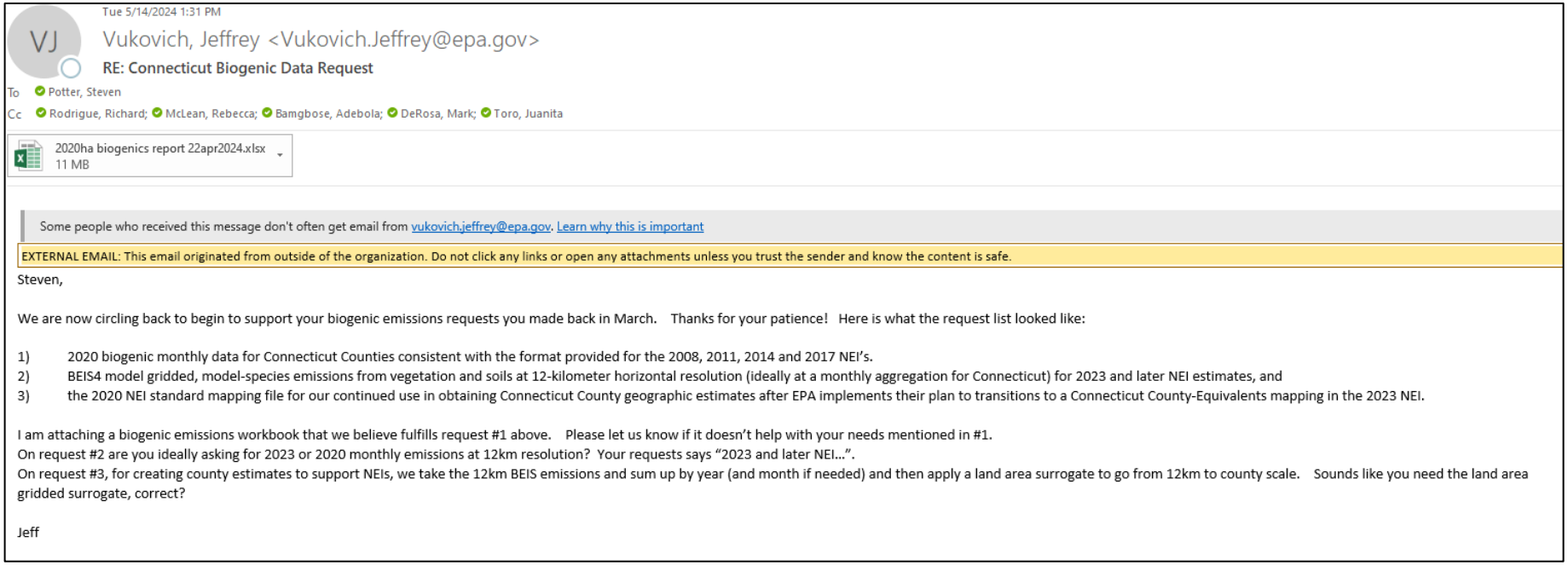
Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
Solvent - Consumer & Commercial Solvent Use	4.3.4	Solvent - Consumer & Commercial Solvent Use	24-60-600-000	Solvent Utilization _Miscellaneous Non-industrial: Consumer and Commercial _All Adhesives and 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 Surface Coating & Solvent Use	4.3.5	Solvent – Industrial Surface Coating & Solvent Use	24-01-008-000	Solvent Utilization _Surface Coating _Traffic 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

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
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 & Solvent Use	4.3.5	Solvent – Industrial Surface Coating & Solvent Use	24-01-090-000	Solvent Utilization _Surface Coating _Miscellaneous Manufacturing _Total: All 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

Data Grouping Name	Section Number	Appendix I Heading or Area Source Section Name	SCC	SCC Description
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	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

Appendix J Biogenics Supplemental Information

: Email Exchange with EPA for Monthly Biogenic Data



Tue 5/14/2024 1:31 PM

VJ

Vukovich, Jeffrey <Vukovich.Jeffrey@epa.gov>

RE: Connecticut Biogenic Data Request

To Potter, Steven

Cc Rodrigue, Richard; McLean, Rebecca; Bamgbose, Adebola; DeRosa, Mark; Toro, Juanita

2020ha biogenics report 22apr2024.xlsx
11 MB

Some people who received this message don't often get email from vukovich.jeffrey@epa.gov. Learn why this is important

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Steven,

We are now circling back to begin to support your biogenic emissions requests you made back in March. Thanks for your patience! Here is what the request list looked like:

1) 2020 biogenic monthly data for Connecticut Counties consistent with the format provided for the 2008, 2011, 2014 and 2017 NEI's.
2) BEIS4 model gridded, model-species emissions from vegetation and soils at 12-kilometer horizontal resolution (ideally at a monthly aggregation for Connecticut) for 2023 and later NEI estimates, and
3) the 2020 NEI standard mapping file for our continued use in obtaining Connecticut County geographic estimates after EPA implements their plan to transitions to a Connecticut County-Equivalents mapping in the 2023 NEI.

I am attaching a biogenic emissions workbook that we believe fulfills request #1 above. Please let us know if it doesn't help with your needs mentioned in #1.
On request #2 are you ideally asking for 2023 or 2020 monthly emissions at 12km resolution? Your requests says "2023 and later NEI…".
On request #3, for creating county estimates to support NEIs, we take the 12km BEIS emissions and sum up by year (and month if needed) and then apply a land area surrogate to go from 12km to county scale. Sounds like you need the land area gridded surrogate, correct?

Jeff

Table J-1: Attached 2020 Biogenic Data from EPA

County	Pollutant	Annual	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Fairfield	CO	543.97	1.81	1.69	4.94	10.51	43.83	97.88	135.20	119.42	74.74	41.03	10.70	2.19
Fairfield	NO_X	65.21	2.96	2.94	4.00	4.37	6.15	7.78	9.15	8.54	6.62	5.21	4.38	3.13
Fairfield	VOC	7,372.45	5.89	5.60	29.70	92.56	601.13	1,585.85	2,130.07	1,700.94	811.08	332.42	69.02	8.18
Hartford	CO	737.80	5.20	4.82	8.63	14.47	62.24	133.51	179.13	159.15	96.63	52.62	15.98	5.43
Hartford	NO_X	156.12	5.81	5.63	8.14	12.66	19.58	20.33	23.40	19.93	14.56	11.19	8.79	6.11
Hartford	VOC	9,022.38	18.04	16.93	35.42	93.17	756.60	1,996.88	2,556.75	2,103.19	963.23	379.62	83.84	18.71
Litchfield	CO	1,017.21	8.37	7.70	13.64	22.60	86.67	182.39	244.97	213.81	130.87	71.46	26.00	8.72
Litchfield	NO_X	97.37	3.78	3.59	5.39	7.19	11.12	12.76	14.23	12.62	9.49	7.40	5.89	3.90
Litchfield	VOC	11,503.14	30.75	28.56	57.09	139.74	962.06	2,495.16	3,248.03	2,637.65	1,226.65	504.33	141.21	31.92
Middlesex	CO	427.86	2.02	1.90	4.36	8.93	35.81	74.38	103.39	93.55	58.89	33.46	8.85	2.33
Middlesex	NO_X	50.34	2.21	2.17	2.96	3.60	5.20	6.04	7.15	6.47	5.01	3.92	3.27	2.33
Middlesex	VOC	6,336.79	7.37	7.03	25.09	80.90	527.75	1,341.20	1,810.27	1,487.85	697.62	285.58	56.94	9.18
New Haven	CO	554.20	2.60	2.46	4.81	10.25	45.41	99.27	135.78	121.91	76.41	41.94	10.40	2.96
New Haven	NO_X	86.15	3.77	3.72	5.09	6.03	8.55	10.36	12.34	11.22	8.69	6.81	5.58	3.99
New Haven	VOC	7,523.21	8.48	8.15	22.01	81.62	614.10	1,635.27	2,164.35	1,757.34	828.71	332.03	60.64	10.52
New London	CO	611.90	3.84	3.54	6.90	12.32	50.45	104.35	147.99	133.91	84.32	47.86	12.46	3.96
New London	NO_X	76.31	3.35	3.29	4.45	5.83	8.38	9.27	10.46	9.60	7.38	5.81	4.96	3.54
New London	VOC	9,209.08	15.24	14.18	38.11	107.09	753.18	1,899.98	2,674.80	2,178.33	1,023.07	414.77	74.69	15.63
Tolland	CO	502.17	3.17	2.95	6.18	11.30	44.63	88.90	120.23	108.16	64.96	37.09	11.14	3.46
Tolland	NO_X	61.71	2.34	2.27	3.29	5.05	7.93	7.55	8.90	7.88	5.91	4.53	3.61	2.46
Tolland	VOC	6,888.89	12.16	11.40	32.56	89.71	604.40	1,471.67	1,941.45	1,621.71	726.18	298.09	66.05	13.51
Windham	CO	560.66	4.29	3.97	7.45	10.25	48.06	98.83	134.24	122.05	74.15	40.32	12.53	4.52
Windham	NO_X	62.84	2.49	2.38	3.43	4.98	7.74	7.66	8.99	8.01	6.05	4.69	3.81	2.60
Windham	VOC	8,083.33	17.45	16.31	38.16	70.42	677.89	1,718.21	2,323.89	1,929.13	868.40	333.93	71.26	18.29

Note: Only relevant rows are shown