

**Appendix E**  
**Detailed Source Category Listings**  
**of 2011 and 2017 Estimated Emissions**

# MOVES2014a On-Road Ozone Season Day Emission Estimates for 2011 and 2017

## 2011 - NOx Daily Emissions by Source Type and County (tons/ozone season day)

SourceType	Name	Fairfield 9001	Hartford 9003	Litchfield 9005	Middlesex 9007	New Haven 9009	New London 9011	Tolland 9013	Windham 9015	State Grand Total
11	Motorcycle	0.06694	0.07587	0.03169	0.01777	0.06356	0.03605	0.02219	0.01851	0.33259
21	Passenger Car	6.90976	7.75456	1.32962	1.55385	6.99917	2.54004	1.28894	0.89502	29.27096
31	Passenger Truck	7.89622	7.82819	1.74573	1.91751	7.08256	3.05516	1.60422	1.15528	32.28487
32	Light Commercial Truck	3.18527	3.17949	0.73873	0.78948	2.89011	1.23537	0.66601	0.48322	13.16767
41	Intercity Bus	0.12960	0.15087	0.01570	0.02145	0.13029	0.05602	0.02348	0.01652	0.54392
42	Transit Bus	0.03756	0.04342	0.00403	0.00622	0.03779	0.01592	0.00656	0.00462	0.15612
43	School Bus	0.04614	0.04968	0.00693	0.01758	0.05150	0.01979	0.01432	0.00768	0.21361
51	Refuse Truck	0.05410	0.07305	0.00783	0.01528	0.06270	0.02696	0.01774	0.01094	0.26858
52	Single Unit Short Haul	0.67021	0.75596	0.10334	0.16179	0.68809	0.27256	0.14608	0.09718	2.89522
53	Single Unit Long Haul	0.06112	0.06817	0.00902	0.01453	0.06256	0.02456	0.01286	0.00861	0.26144
54	Motor Home	0.02068	0.02032	0.00195	0.00512	0.02145	0.00978	0.00532	0.00209	0.08672
61	Combination Short Haul	1.40783	1.69919	0.21680	0.38345	1.60201	0.59389	0.28681	0.21252	6.40250
62	Combination Long Haul	4.64079	5.18480	0.51160	1.18720	4.87358	2.07008	1.23891	0.68196	20.38893
<b>Grand Total</b>		<b>25.12621</b>	<b>26.88357</b>	<b>4.72298</b>	<b>6.09122</b>	<b>24.56539</b>	<b>9.95618</b>	<b>5.33343</b>	<b>3.59415</b>	<b>106.27313</b>

2011 NOX	Statewide		Greater CT		SW CT	
	tpd	% of Total	tpd	% of Total	tpd	% of Total
Motorcycles (11)	0.333	0.3%	0.184	0.4%	0.148	0.3%
Light Duty (21,31,32)	74.723	70.3%	35.500	70.3%	39.224	70.3%
Heavy Duty (40s, 50s, 60s)	31.217	29.4%	14.806	29.3%	16.411	29.4%
Total OnRoad Emissions	106.273	100.0%	50.490	100.0%	55.783	100.0%

## 2011 - VOC Daily Emissions by Source Type and County (tons/ozone season day)

SourceType	Name	Fairfield 9001	Hartford 9003	Litchfield 9005	Middlesex 9007	New Haven 9009	New London 9011	Tolland 9013	Windham 9015	State Grand Total
11	Motorcycle	0.39477	0.46220	0.16658	0.10913	0.40685	0.19709	0.12621	0.10973	1.97257
21	Passenger Car	6.72293	7.14339	1.45298	1.36255	6.41955	2.19909	1.15739	0.85614	27.31402
31	Passenger Truck	4.83802	4.47336	1.18473	1.04138	4.06832	1.62960	0.89138	0.68254	18.80933
32	Light Commercial Truck	1.81705	1.69889	0.46594	0.40443	1.55204	0.61798	0.34585	0.26664	7.16883
41	Intercity Bus	0.00904	0.00971	0.00113	0.00136	0.00867	0.00354	0.00149	0.00106	0.03600
42	Transit Bus	0.00318	0.00347	0.00036	0.00048	0.00308	0.00125	0.00052	0.00037	0.01271
43	School Bus	0.00868	0.00886	0.00155	0.00287	0.00916	0.00346	0.00242	0.00141	0.03841
51	Refuse Truck	0.00367	0.00465	0.00058	0.00095	0.00407	0.00166	0.00110	0.00070	0.01737
52	Single Unit Short Haul	0.15916	0.18091	0.03518	0.03702	0.16092	0.06054	0.03221	0.02457	0.69052
53	Single Unit Long Haul	0.01368	0.01494	0.00260	0.00312	0.01374	0.00521	0.00274	0.00196	0.05799
54	Motor Home	0.01031	0.01096	0.00179	0.00243	0.01048	0.00452	0.00240	0.00123	0.04413
61	Combination Short Haul	0.08235	0.09230	0.01284	0.02051	0.08979	0.03159	0.01534	0.01153	0.35626
62	Combination Long Haul	0.54532	0.59760	0.04284	0.14210	0.58384	0.23480	0.14870	0.07957	2.37476
<b>Grand Total</b>		<b>14.60816</b>	<b>14.70124</b>	<b>3.36911</b>	<b>3.12834</b>	<b>13.33051</b>	<b>4.99033</b>	<b>2.72774</b>	<b>2.03747</b>	<b>58.89291</b>

2011 VOC	Statewide		Greater CT		SW CT	
	tpd	% of Total	tpd	% of Total	tpd	% of Total
Motorcycles (11)	1.973	3.3%	1.062	3.8%	0.911	2.9%
Light Duty (21,31,32)	53.292	90.5%	25.066	90.1%	28.226	90.9%
Heavy Duty (40s, 50s, 60s)	3.628	6.2%	1.698	6.1%	1.930	6.2%
Total OnRoad Emissions	58.893	100.0%	27.826	100.0%	31.067	100.0%

## 2017 - NOx Daily Emissions by Source Type and County (tons/ozone season day)

SourceType	Name	Fairfield 9001	Hartford 9003	Litchfield 9005	Middlesex 9007	New Haven 9009	New London 9011	Tolland 9013	Windham 9015	State Grand Total
11	Motorcycle	0.06141	0.07053	0.02895	0.01661	0.05922	0.03334	0.02126	0.01711	0.30843
21	Passenger Car	2.91601	3.26645	0.58757	0.65200	2.99942	1.05738	0.55155	0.38486	12.41523
31	Passenger Truck	2.97792	2.94886	0.68278	0.71858	2.71567	1.13525	0.61223	0.44174	12.23304
32	Light Commercial Truck	1.25150	1.25218	0.30219	0.30946	1.15703	0.48111	0.26635	0.19335	5.21317
41	Intercity Bus	0.05683	0.06625	0.00700	0.00934	0.05863	0.02437	0.01047	0.00727	0.24016
42	Transit Bus	0.01489	0.01730	0.00162	0.00247	0.01546	0.00630	0.00266	0.00184	0.06254
43	School Bus	0.01846	0.01995	0.00282	0.00705	0.02131	0.00793	0.00589	0.00310	0.08651
51	Refuse Truck	0.02544	0.03452	0.00372	0.00718	0.03036	0.01265	0.00854	0.00518	0.12759
52	Single Unit Short Haul	0.31202	0.35691	0.05102	0.07594	0.33197	0.12771	0.07005	0.04628	1.37191
53	Single Unit Long Haul	0.03614	0.04053	0.00541	0.00863	0.03831	0.01465	0.00789	0.00513	0.15669
54	Motor Home	0.01126	0.01112	0.00110	0.00278	0.01201	0.00530	0.00295	0.00115	0.04767
61	Combination Short Haul	0.66528	0.80706	0.10360	0.18119	0.77908	0.27995	0.13864	0.10115	3.05595
62	Combination Long Haul	2.36910	2.67656	0.22385	0.62050	2.60205	1.05406	0.66669	0.35594	10.56876
<b>Grand Total</b>		<b>10.71626</b>	<b>11.56821</b>	<b>2.00162</b>	<b>2.61173</b>	<b>10.82052</b>	<b>4.24002</b>	<b>2.36517</b>	<b>1.56410</b>	<b>45.88763</b>

2017 NOx	Statewide		Greater CT		SW CT	
	tpd	% of Total	tpd	% of Total	tpd	% of Total
Motorcycles (11)	0.308	<b>0.7%</b>	0.171	<b>0.8%</b>	0.137	<b>0.6%</b>
Light Duty (21,31,32)	29.861	<b>65.1%</b>	14.164	<b>65.2%</b>	15.698	<b>65.0%</b>
Heavy Duty (40s, 50s, 60s)	15.718	<b>34.3%</b>	7.404	<b>34.1%</b>	8.314	<b>34.4%</b>
Total OnRoad Emissions	45.888	<b>100.0%</b>	21.739	<b>100.0%</b>	24.149	<b>100.0%</b>

Note: As has been done in previous SIPs, transportation conformity budgets for 2017 were established by increasing emissions by 2% above those shown in these tables in recognition of uncertainties related to future changes to traffic and emission modeling procedures. See Section 7.

## 2017 - VOC Daily Emissions by Source Type and County (tons/ozone season day)

		Fairfield	Hartford	Litchfield	Middlesex	New Haven	New London	Tolland	Windham	State
SourceType	Name	9001	9003	9005	9007	9009	9011	9013	9015	Grand Total
11	Motorcycle	0.33184	0.40511	0.14516	0.09593	0.35313	0.17358	0.11436	0.09666	1.71577
21	Passenger Car	3.95321	4.21360	0.88854	0.80285	3.84218	1.29325	0.69756	0.51558	16.20676
31	Passenger Truck	2.37166	2.20439	0.60613	0.51191	2.03124	0.79958	0.44799	0.34329	9.31618
32	Light Commercial Truck	0.89701	0.84402	0.24057	0.20062	0.78117	0.30586	0.17529	0.13530	3.57984
41	Intercity Bus	0.00343	0.00375	0.00044	0.00052	0.00341	0.00136	0.00058	0.00041	0.01391
42	Transit Bus	0.00119	0.00131	0.00014	0.00018	0.00119	0.00047	0.00020	0.00014	0.00481
43	School Bus	0.00225	0.00244	0.00045	0.00073	0.00245	0.00094	0.00064	0.00040	0.01029
51	Refuse Truck	0.00161	0.00207	0.00026	0.00042	0.00187	0.00074	0.00050	0.00031	0.00778
52	Single Unit Short Haul	0.07589	0.08972	0.01879	0.01805	0.07999	0.02932	0.01576	0.01240	0.33993
53	Single Unit Long Haul	0.00645	0.00713	0.00121	0.00149	0.00675	0.00253	0.00136	0.00093	0.02787
54	Motor Home	0.00614	0.00666	0.00112	0.00147	0.00646	0.00272	0.00146	0.00076	0.02679
61	Combination Short Haul	0.04004	0.04565	0.00642	0.01001	0.04534	0.01553	0.00772	0.00571	0.17642
62	Combination Long Haul	0.30073	0.33537	0.02027	0.08053	0.33682	0.13056	0.08646	0.04509	1.33583
<b>Grand Total</b>		<b>7.99144</b>	<b>8.16122</b>	<b>1.92951</b>	<b>1.72471</b>	<b>7.49200</b>	<b>2.75642</b>	<b>1.54989</b>	<b>1.15699</b>	<b>32.76217</b>

2017 VOC	Statewide		Greater CT		SW CT	
	tpd	% of Total	tpd	% of Total	tpd	% of Total
Motorcycles (11)	1.716	5.2%	0.935	6.0%	0.781	4.5%
Light Duty (21,31,32)	29.103	88.8%	13.711	88.2%	15.392	89.4%
Heavy Duty (40s, 50s, 60s)	1.944	5.9%	0.908	5.8%	1.035	6.0%
Total OnRoad Emissions	32.762	100.0%	15.554	100.0%	17.208	100.0%

Note: As has been done in previous SIPs, transportation conformity budgets for 2017 were established by increasing emissions by 2% above those shown in these tables in recognition of uncertainties related to future changes to traffic and emission modeling procedures. See Section 7.

## 2011 - NOx Daily Statewide Emissions by Source Type and Fuel Type (tons/ozone season day)

SourceType	Name	Gasoline	Diesel	CNG	Grand Total
11	Motorcycle	0.3326			0.3326
21	Passenger Car	28.9876	0.2833		29.2710
31	Passenger Truck	30.7526	1.5323		32.2849
32	Light Commercial Truck	11.3536	1.8140		13.1677
41	Intercity Bus		0.5439		0.5439
42	Transit Bus	0.0008	0.1415	0.0139	0.1561
43	School Bus	0.0047	0.2089		0.2136
51	Refuse Truck	0.0061	0.2624		0.2686
52	Single Unit Short Haul	0.6723	2.2230		2.8952
53	Single Unit Long Haul	0.0424	0.2190		0.2614
54	Motor Home	0.0502	0.0365		0.0867
61	Combination Short Haul	0.0022	6.4003		6.4025
62	Combination Long Haul		20.3889		20.3889
<b>Grand Total</b>		<b>72.2052</b>	<b>34.0541</b>	<b>0.0139</b>	<b>106.2731</b>
		<b>68%</b>	<b>32%</b>	<b>0.01%</b>	

	Statewide		
2011 NOX	Gasoline	Diesel	CNG
Motorcycles (11)	0.333	0.000	0.000
Light Duty (21,31,32)	71.094	3.630	0.000
Heavy Duty (40s, 50s, 60s)	0.779	30.424	0.014
<b>Total OnRoad Emissions</b>	<b>72.205</b>	<b>34.054</b>	<b>0.014</b>

## 2011 - VOC Daily Statewide Emissions by Source Type and Fuel Type (tons/ozone season day)

SourceType	Name	Gasoline	Diesel	CNG	Grand Total
11	Motorcycle	1.9726			1.9726
21	Passenger Car	26.9203	0.3937		27.3140
31	Passenger Truck	18.4308	0.3785		18.8093
32	Light Commercial Truck	6.7060	0.4629		7.1688
41	Intercity Bus		0.0360		0.0360
42	Transit Bus	0.0004	0.0106	0.0018	0.0127
43	School Bus	0.0049	0.0335		0.0384
51	Refuse Truck	0.0024	0.0150		0.0174
52	Single Unit Short Haul	0.3667	0.3238		0.6905
53	Single Unit Long Haul	0.0216	0.0364		0.0580
54	Motor Home	0.0387	0.0054		0.0441
61	Combination Short Haul	0.0016	0.3547		0.3563
62	Combination Long Haul		2.3748		2.3748
<b>Grand Total</b>		<b>54.4658</b>	<b>4.4253</b>	<b>0.0018</b>	<b>58.8929</b>
		<b>92%</b>	<b>8%</b>	<b>0.00%</b>	

2011 VOC	Statewide		
	Gasoline	Diesel	CNG
Motorcycles (11)	1.973	0.000	0.000
Light Duty (21,31,32)	52.057	1.235	0.000
Heavy Duty (40s, 50s, 60s)	0.436	3.190	0.002
<b>Total OnRoad Emissions</b>	<b>54.466</b>	<b>4.425</b>	<b>0.002</b>

## 2017 - NOx Daily Statewide Emissions by Source Type and Fuel Type (tons/ozone season day)

SourceType	Name	Gasoline	Diesel	CNG	Grand Total
11	Motorcycle	0.3084			0.3084
21	Passenger Car	12.3196	0.0956		12.4152
31	Passenger Truck	11.3297	0.9033		12.2330
32	Light Commercial Truck	4.3667	0.8465		5.2132
41	Intercity Bus		0.2402		0.2402
42	Transit Bus	0.0003	0.0551	0.0071	0.0625
43	School Bus	0.0012	0.0853		0.0865
51	Refuse Truck	0.0011	0.1265		0.1276
52	Single Unit Short Haul	0.2577	1.1143		1.3719
53	Single Unit Long Haul	0.0095	0.1472		0.1567
54	Motor Home	0.0228	0.0248		0.0477
61	Combination Short Haul	0.0003	3.0557		3.0559
62	Combination Long Haul		10.5688		10.5688
<b>Grand Total</b>		<b>28.6172</b>	<b>17.2633</b>	<b>0.0071</b>	<b>45.8876</b>
		<b>62%</b>	<b>38%</b>	<b>0.02%</b>	

	Statewide		
2017 NOX	Gasoline	Diesel	CNG
Motorcycles (11)	0.308	0.000	0.000
Light Duty (21,31,32)	28.016	1.845	0.000
Heavy Duty (40s, 50s, 60s)	0.293	15.418	0.007
<b>Total OnRoad Emissions</b>	<b>28.617</b>	<b>17.263</b>	<b>0.007</b>

Note: As has been done in previous SIPs, transportation conformity budgets for 2017 were established by increasing emissions by 2% above those shown in these tables in recognition of uncertainties related to future changes to traffic and emission modeling procedures. See Section 7.



## 2017 - VOC Daily Statewide Emissions by Source Type and Fuel Type (tons/ozone season day)

SourceType	Name	Gasoline	Diesel	CNG	Grand Total
11	Motorcycle	1.7158			1.7158
21	Passenger Car	16.1436	0.0631		16.2068
31	Passenger Truck	9.1697	0.1465		9.3162
32	Light Commercial Truck	3.4156	0.1642		3.5798
41	Intercity Bus		0.0139		0.0139
42	Transit Bus	0.0002	0.0040	0.0006	0.0048
43	School Bus	0.0014	0.0089		0.0103
51	Refuse Truck	0.0006	0.0072		0.0078
52	Single Unit Short Haul	0.2026	0.1373		0.3399
53	Single Unit Long Haul	0.0072	0.0207		0.0279
54	Motor Home	0.0236	0.0032		0.0268
61	Combination Short Haul	0.0002	0.1762		0.1764
62	Combination Long Haul		1.3358		1.3358
<b>Grand Total</b>		<b>30.6805</b>	<b>2.0810</b>	<b>0.0006</b>	<b>32.7622</b>
		<b>94%</b>	<b>6%</b>	<b>0.00%</b>	

2017 VOC	Statewide		
	Gasoline	Diesel	CNG
Motorcycles (11)	1.716	0.000	0.000
Light Duty (21,31,32)	28.729	0.374	0.000
Heavy Duty (40s, 50s, 60s)	0.236	1.707	0.001
<b>Total OnRoad Emissions</b>	<b>30.681</b>	<b>2.081</b>	<b>0.001</b>

Note: As has been done in previous SIPs, transportation conformity budgets for 2017 were established by increasing emissions by 2% above those shown in these tables in recognition of uncertainties related to future changes to traffic and emission modeling procedures. See Section 7.

# MOVES2014a Non-Road Ozone Summer Day Emission Estimates for 2011 and 2017

(does not include emissions from MAR: commercial marine vessels, aircraft & ground support equipment, or rail locomotives)

## NONROAD Model Emissions Summary (2011, 2017)

Emissions from MOVES2014a (NONROAD2008);

Includes Refueling Emissions

### 2011

Pollutants		2011 Emission Quantities (Tons/Day)										
		NY/NJ/CT Non-Attainment Area				Greater CT Non-Attainment Area						Statewide
ID	Name	Fairfield	Middlesex	New Haven	<i>Subtotal</i>	Hartford	Litchfield	New London	Tolland	Windham	<i>Subtotal</i>	
3	NOx	12.7	2.4	9.6	<b>24.7</b>	9.4	2.5	3.8	1.5	1.8	<b>19.1</b>	<b>43.8</b>
87	VOC	15.5	4.0	9.9	<b>29.3</b>	9.5	6.1	6.9	1.9	3.3	<b>27.7</b>	<b>57.0</b>

### 2017

Pollutants		2017 Emission Quantities (Tons/Day)										
		NY/NJ/CT Non-Attainment Area				Greater CT Non-Attainment Area						Statewide
ID	Name	Fairfield	Middlesex	New Haven	<i>Subtotal</i>	Hartford	Litchfield	New London	Tolland	Windham	<i>Subtotal</i>	
3	NOx	8.4	1.7	6.4	<b>16.5</b>	5.9	1.7	2.7	1.0	1.2	<b>12.5</b>	<b>29.0</b>
87	VOC	11.3	2.7	6.7	<b>20.7</b>	6.8	4.2	4.5	1.3	2.3	<b>19.0</b>	<b>39.7</b>

## NONROAD Emissions Summary by Source Category (2011, 2017)

MOVES2014a (NONROAD2008); Includes Refueling

2011 VOC Emissions (Ton/day)											
Category	NY/NJ/CT Non-Attainment Area				Greater CT Non-Attainment Area						Statewide
	FF	MS	NH	Subtotal	HF	LF	NL	TL	WH	Subtotal	
Agricultural Equipment	0.003	0.005	0.008	<b>0.016</b>	0.017	0.026	0.015	0.011	0.018	<b>0.087</b>	<b>0.103</b>
Airport Ground Support Equipment	0.000	0.000	0.000	<b>0.000</b>	0.011	0.000	0.000	0.000	0.000	<b>0.011</b>	<b>0.011</b>
Commercial Equipment	1.546	0.232	1.216	<b>2.994</b>	1.348	0.245	0.211	0.087	0.095	<b>1.985</b>	<b>4.979</b>
Construction and Mining Equipment	0.754	0.138	0.600	<b>1.493</b>	0.544	0.103	0.272	0.121	0.147	<b>1.189</b>	<b>2.681</b>
Industrial Equipment	0.451	0.096	0.390	<b>0.937</b>	0.510	0.113	0.109	0.034	0.052	<b>0.817</b>	<b>1.754</b>
Lawn and Garden Equipment	9.161	0.995	4.520	<b>14.676</b>	5.632	1.495	1.010	0.621	0.502	<b>9.261</b>	<b>23.937</b>
Logging Equipment	0.000	0.007	0.005	<b>0.012</b>	0.002	0.009	0.006	0.006	0.008	<b>0.030</b>	<b>0.042</b>
Pleasure Craft	2.950	1.448	2.510	<b>6.909</b>	1.016	1.667	2.885	0.469	0.599	<b>6.636</b>	<b>13.545</b>
Railroad Equipment	0.007	0.001	0.006	<b>0.014</b>	0.006	0.001	0.002	0.001	0.001	<b>0.012</b>	<b>0.025</b>
Recreational Equipment	0.611	1.091	0.594	<b>2.296</b>	0.442	2.437	2.382	0.562	1.830	<b>7.653</b>	<b>9.949</b>
<b>Grand Total</b>	<b>15.482</b>	<b>4.014</b>	<b>9.850</b>	<b>29.346</b>	<b>9.528</b>	<b>6.098</b>	<b>6.891</b>	<b>1.912</b>	<b>3.252</b>	<b>27.681</b>	<b>57.028</b>

2011 NOx Emissions (Ton/day)											
Category	NY/NJ/CT Non-Attainment Area				Greater CT Non-Attainment Area						Grand Total
	FF	MS	NH	Subtotal	HF	LF	NL	TL	WH	Subtotal	
Agricultural Equipment	0.027	0.046	0.072	<b>0.145</b>	0.157	0.235	0.137	0.101	0.159	<b>0.790</b>	<b>0.935</b>
Airport Ground Support Equipment	0.000	0.000	0.000	<b>0.001</b>	0.124	0.000	0.000	0.000	0.000	<b>0.124</b>	<b>0.125</b>
Commercial Equipment	1.329	0.200	1.046	<b>2.575</b>	1.128	0.205	0.177	0.072	0.079	<b>1.661</b>	<b>4.236</b>
Construction and Mining Equipment	5.273	0.967	4.198	<b>10.437</b>	3.794	0.721	1.898	0.844	1.027	<b>8.284</b>	<b>18.721</b>
Industrial Equipment	2.321	0.490	2.023	<b>4.834</b>	2.592	0.574	0.568	0.189	0.268	<b>4.191</b>	<b>9.025</b>
Lawn and Garden Equipment	2.570	0.246	1.084	<b>3.900</b>	1.393	0.385	0.195	0.138	0.110	<b>2.221</b>	<b>6.121</b>
Logging Equipment	0.000	0.010	0.007	<b>0.017</b>	0.002	0.013	0.008	0.009	0.011	<b>0.042</b>	<b>0.059</b>
Pleasure Craft	1.055	0.424	1.142	<b>2.622</b>	0.180	0.296	0.759	0.083	0.106	<b>1.425</b>	<b>4.047</b>
Railroad Equipment	0.030	0.005	0.028	<b>0.064</b>	0.029	0.006	0.009	0.005	0.004	<b>0.053</b>	<b>0.118</b>
Recreational Equipment	0.045	0.044	0.039	<b>0.128</b>	0.040	0.094	0.093	0.026	0.071	<b>0.323</b>	<b>0.451</b>
<b>Grand Total</b>	<b>12.652</b>	<b>2.430</b>	<b>9.640</b>	<b>24.722</b>	<b>9.440</b>	<b>2.530</b>	<b>3.844</b>	<b>1.467</b>	<b>1.835</b>	<b>19.116</b>	<b>43.837</b>

<b>2017 VOC Emissions (Ton/day)</b>											
<b>Category</b>	<b>NY/NJ/CT Non-Attainment Area</b>				<b>Greater CT Non-Attainment Area</b>						<b>Grand Total</b>
	<b>FF</b>	<b>MS</b>	<b>NH</b>	<b>Subtotal</b>	<b>HF</b>	<b>LF</b>	<b>NL</b>	<b>TL</b>	<b>WH</b>	<b>Subtotal</b>	
Agricultural Equipment	0.002	0.004	0.006	<b>0.012</b>	0.013	0.019	0.011	0.008	0.013	<b>0.064</b>	<b>0.075</b>
Airport Ground Support Equipment	0.000	0.000	0.000	<b>0.000</b>	0.008	0.000	0.000	0.000	0.000	<b>0.008</b>	<b>0.008</b>
Commercial Equipment	1.059	0.159	0.833	<b>2.051</b>	0.930	0.169	0.146	0.060	0.066	<b>1.370</b>	<b>3.421</b>
Construction and Mining Equipment	0.580	0.106	0.462	<b>1.148</b>	0.419	0.080	0.209	0.093	0.113	<b>0.914</b>	<b>2.062</b>
Industrial Equipment	0.158	0.033	0.137	<b>0.328</b>	0.177	0.039	0.038	0.013	0.018	<b>0.285</b>	<b>0.614</b>
Lawn and Garden Equipment	7.290	0.750	3.365	<b>11.404</b>	4.287	1.157	0.704	0.454	0.365	<b>6.968</b>	<b>18.372</b>
Logging Equipment	0.000	0.007	0.005	<b>0.012</b>	0.002	0.010	0.006	0.006	0.008	<b>0.031</b>	<b>0.044</b>
Pleasure Craft	1.711	0.833	1.475	<b>4.018</b>	0.580	0.952	1.667	0.268	0.342	<b>3.808</b>	<b>7.827</b>
Railroad Equipment	0.005	0.001	0.004	<b>0.010</b>	0.005	0.001	0.001	0.001	0.001	<b>0.008</b>	<b>0.018</b>
Recreational Equipment	0.451	0.789	0.436	<b>1.675</b>	0.331	1.772	1.730	0.409	1.329	<b>5.571</b>	<b>7.247</b>
<b>Grand Total</b>	<b>11.255</b>	<b>2.681</b>	<b>6.722</b>	<b>20.659</b>	<b>6.750</b>	<b>4.199</b>	<b>4.513</b>	<b>1.312</b>	<b>2.254</b>	<b>19.028</b>	<b>39.687</b>

<b>2017 NOx Emissions (Ton/day)</b>											
<b>Category</b>	<b>NY/NJ/CT Non-Attainment Area</b>				<b>Greater CT Non-Attainment Area</b>						<b>Grand Total</b>
	<b>FF</b>	<b>MS</b>	<b>NH</b>	<b>Subtotal</b>	<b>HF</b>	<b>LF</b>	<b>NL</b>	<b>TL</b>	<b>WH</b>	<b>Subtotal</b>	
Agricultural Equipment	0.020	0.033	0.052	<b>0.105</b>	0.114	0.171	0.100	0.074	0.116	<b>0.575</b>	<b>0.681</b>
Airport Ground Support Equipment	0.000	0.000	0.000	<b>0.000</b>	0.077	0.000	0.000	0.000	0.000	<b>0.077</b>	<b>0.078</b>
Commercial Equipment	1.028	0.154	0.809	<b>1.992</b>	0.872	0.159	0.137	0.056	0.061	<b>1.285</b>	<b>3.277</b>
Construction and Mining Equipment	3.269	0.599	2.603	<b>6.471</b>	2.352	0.447	1.176	0.523	0.637	<b>5.136</b>	<b>11.606</b>
Industrial Equipment	1.124	0.233	0.988	<b>2.345</b>	1.235	0.273	0.282	0.102	0.131	<b>2.023</b>	<b>4.367</b>
Lawn and Garden Equipment	1.919	0.180	0.792	<b>2.892</b>	1.025	0.285	0.138	0.100	0.079	<b>1.628</b>	<b>4.520</b>
Logging Equipment	0.000	0.003	0.002	<b>0.006</b>	0.001	0.005	0.003	0.003	0.004	<b>0.015</b>	<b>0.021</b>
Pleasure Craft	1.025	0.418	1.094	<b>2.536</b>	0.186	0.305	0.753	0.086	0.110	<b>1.439</b>	<b>3.975</b>
Railroad Equipment	0.024	0.004	0.022	<b>0.050</b>	0.023	0.005	0.007	0.004	0.003	<b>0.042</b>	<b>0.092</b>
Recreational Equipment	0.039	0.042	0.035	<b>0.116</b>	0.035	0.090	0.089	0.024	0.068	<b>0.305</b>	<b>0.421</b>
<b>Grand Total</b>	<b>8.449</b>	<b>1.667</b>	<b>6.398</b>	<b>16.513</b>	<b>5.921</b>	<b>1.739</b>	<b>2.685</b>	<b>0.972</b>	<b>1.209</b>	<b>12.525</b>	<b>29.038</b>

Area Source Growth Factors for Connecticut

FIPS	SCC	SCC SHORT NAME	Growth_Code	Base Year	Future	Growth Factor	Low-End Cap	High-End Cap	"Capped" Growth Factor	SRA Comments
				2011	2017					
				Year Raw Data	Year Raw Data	Future/Base				
09000	2102001000	Stationary Fuel Comb /Industrial /Anthracite Coal /Total: All Boiler Types	AEO2015_NE_IND_COAL	0.00221	0.00191	0.8643	0.00	100.00	0.8643	
09000	2102002000	Stationary Fuel Comb /Industrial /Bituminous/Subbituminous Coal /Total: All Boiler	AEO2015_NE_IND_COAL	0.00221	0.00191	0.8643	0.00	100.00	0.8643	
09000	2102004000	Stationary Fuel Comb /Industrial /Distillate Oil /Total: Boilers and IC Engines	AEO2015_NE_IND_DISTILLATE	0.02376	0.020786	0.8748	0.00	100.00	0.8748	
09000	2102004001	Stationary Fuel Comb /Industrial /Distillate Oil /All Boilers	AEO2015_NE_IND_DISTILLATE	0.02376	0.020786	0.8748	0.00	100.00	0.8748	
09000	2102004002	Stationary Fuel Comb /Industrial /Distillate Oil /IC Engines	AEO2015_NE_IND_DISTILLATE	0.02376	0.020786	0.8748	0.00	100.00	0.8748	
09000	2102005000	Stationary Fuel Comb /Industrial /Residual Oil /Total: All Boiler Types	AEO2015_NE_IND_RESIDUAL	0.01044	0.003011	0.2884	0.00	100.00	0.2884	
09000	2102006000	Stationary Fuel Comb /Industrial /Natural Gas /Total: Boilers and IC Engines	AEO2015_NE_IND_NATGAS	0.11762	0.1607	1.3663	0.00	100.00	1.3663	
09000	2102007000	Stationary Fuel Comb /Industrial /Liquified Petroleum Gas /Total: All Boiler Types	AEO2015_NE_IND_LPG	0.006	0.006477	1.0795	0.00	100.00	1.0795	
09000	2102008000	Stationary Fuel Comb /Industrial /Wood /Total: All Boiler Types	AEO2015_NE_IND_RENEWABLE	0.082423	0.07844	0.9517	0.00	100.00	0.9517	
09000	2102011000	Stationary Fuel Comb /Industrial /Kerosene /Total: All Boiler Types	AEO2015_NE_IND_DISTILLATE	0.02376	0.020786	0.8748	0.00	100.00	0.8748	
09000	2103001000	Stationary Fuel Comb /Commercial/Institutional /Anthracite Coal /Total: All Boiler Ty	AEO2015_NE_COM_COAL	0	0	1.0000	0.00	100.00	1.0000	
09000	2103002000	Stationary Fuel Comb /Commercial/Institutional /Bituminous/Subbituminous Coal /T	AEO2015_NE_COM_COAL	0	0	1.0000	0.00	100.00	1.0000	
09000	2103004000	Stationary Fuel Comb /Commercial/Institutional /Distillate Oil /Total: Boilers and IC	AEO2015_NE_COM_DISTILLATE	0.06026	0.048664	0.8076	0.00	100.00	0.8076	
09000	2103004001	Stationary Fuel Comb /Commercial/Institutional /Distillate Oil /Boilers	AEO2015_NE_COM_DISTILLATE	0.06026	0.048664	0.8076	0.00	100.00	0.8076	
09000	2103004002	Stationary Fuel Comb /Commercial/Institutional /Distillate Oil /IC Engines	AEO2015_NE_COM_DISTILLATE	0.06026	0.048664	0.8076	0.00	100.00	0.8076	
09000	2103005000	Stationary Fuel Comb /Commercial/Institutional /Residual Oil /Total: All Boiler Type	AEO2015_NE_IND_RESIDUAL	0.01044	0.003011	0.2884	0.00	100.00	0.2884	
09000	2103006000	Stationary Fuel Comb /Commercial/Institutional /Natural Gas /Total: Boilers and IC	AEO2015_NE_COM_NATGAS	0.15915	0.174111	1.0940	0.00	100.00	1.0940	
09000	2103007000	Stationary Fuel Comb /Commercial/Institutional /Liquified Petroleum Gas /Total: All	AEO2015_NE_COM_PROpane	0.0197	0.02201	1.1173	0.00	100.00	1.1173	
09000	2103008000	Stationary Fuel Comb /Commercial/Institutional /Wood /Total: All Boiler Types	AEO2015_NE_COM_RENEWABLE	0.00857	0.00783	0.9137	0.00	100.00	0.9137	
09000	2103011000	Stationary Fuel Comb /Commercial/Institutional /Kerosene /Total: All Combustor Ty	AEO2015_NE_COM_DISTILLATE	0.06026	0.048664	0.8076	0.00	100.00	0.8076	
09000	2104001000	Stationary Fuel Comb /Residential /Anthracite Coal /Total: All Combustor Types	AEO2015_NE_RES_COAL	0	0	1.0000	0.00	100.00	1.0000	
09000	2104002000	Stationary Fuel Comb /Residential /Bituminous/Subbituminous Coal /Total: All Com	AEO2015_NE_RES_COAL	0	0	1.0000	0.00	100.00	1.0000	
09000	2104004000	Stationary Fuel Comb /Residential /Distillate Oil /Total: All Combustor Types	AEO2015_NE_RES_DISTILLATE	0.21658	0.168329	0.7772	0.00	100.00	0.7772	
09000	2104006000	Stationary Fuel Comb /Residential /Natural Gas /Total: All Combustor Types	AEO2015_NE_RES_NATGAS	0.20806	0.221492	1.0646	0.00	100.00	1.0646	
09000	2104006010	Stationary Fuel Comb /Residential /Natural Gas /Residential Furnaces	AEO2015_NE_RES_NATGAS	0.20806	0.221492	1.0646	0.00	100.00	1.0646	
09000	2104007000	Stationary Fuel Comb /Residential /Liquified Petroleum Gas /Total: All Combustor T	AEO2015_NE_RES_PROpane	0.03433	0.028639	0.8342	0.00	100.00	0.8342	
09000	2104011000	Stationary Fuel Comb /Residential /Kerosene /Total: All Heater Types	AEO2015_NE_RES_KEROSENE	0.00397	0.001748	0.4403	0.00	100.00	0.4403	
09000	2302050000	Food & Kindred Products /Bakery Products /Total	EMP_09_NAICS=311	7194.7	6994.9	0.9722	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2302070000	Food & Kindred Products /Fermentation/Beverages /Total	EMP_09_NAICS=312	882.1	876.7	0.9939	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2302070001	Food & Kindred Products /Fermentation/Beverages /Breweries	EMP_09_NAICS=312	882.1	876.7	0.9939	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2302070005	Food & Kindred Products /Fermentation/Beverages /Wineries	EMP_09_NAICS=312	882.1	876.7	0.9939	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2302070010	Food & Kindred Products /Fermentation/Beverages /Distilleries	EMP_09_NAICS=312	882.1	876.7	0.9939	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2311010000	Construction: SIC 15 - 17 /Residential /Total	EMP_09_NAICS=236	10179.3	11549.1	1.1346	1.00	1.25	1.1346	Limit employment growth between 1.0 to 1.25
09000	2311020000	Construction: SIC 15 - 17 /Industrial/Commercial/Institutional /Total	EMP_09_NAICS=236	10179.3	11549.1	1.1346	1.00	1.25	1.1346	Limit employment growth between 1.0 to 1.25
09000	2311030000	Construction: SIC 15 - 17 /Road Construction /Total	EMP_09_NAICS=237	5381.1	5657.7	1.0514	1.00	1.25	1.0514	Limit employment growth between 1.0 to 1.25
09000	2325000000	Mining & Quarrying /All Processes /Total	EMP_09_NAICS=212	1	1	1.0000	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2325020000	Mining & Quarrying /Crushed & Broken Stone /Total	EMP_09_NAICS=212	1	1	1.0000	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2325030000	Mining & Quarrying /Sand & Gravel /Total	EMP_09_NAICS=212	1	1	1.0000	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2399010000	Industrial Refrigeration /Refrigerant Losses /All Processes	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2401005000	Surface Coating /Auto Refinishing /Total: All Solvent Types	EMP_09_NAICS=811	13458.6	14158.2	1.0520	1.00	1.25	1.0520	Limit employment growth between 1.0 to 1.25
09000	2401005500	Surface Coating /Auto Refinishing /Surface Preparation Solvents	EMP_09_NAICS=811	13458.6	14158.2	1.0520	1.00	1.25	1.0520	Limit employment growth between 1.0 to 1.25
09000	2401005600	Surface Coating /Auto Refinishing /Primers	EMP_09_NAICS=811	13458.6	14158.2	1.0520	1.00	1.25	1.0520	Limit employment growth between 1.0 to 1.25
09000	2401005700	Surface Coating /Auto Refinishing /Top Coats	EMP_09_NAICS=811	13458.6	14158.2	1.0520	1.00	1.25	1.0520	Limit employment growth between 1.0 to 1.25
09000	2401005800	Surface Coating /Auto Refinishing /Clean-up Solvents	EMP_09_NAICS=811	13458.6	14158.2	1.0520	1.00	1.25	1.0520	Limit employment growth between 1.0 to 1.25
09000	2401006000	Surface Coating /Traffic Markings /Total: All Solvent Types	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2401015000	Surface Coating /Factory Finished Wood /Total: All Solvent Types	EMP_09_NAICS=321	964.2	1121.4	1.1630	1.00	1.25	1.1630	Limit employment growth between 1.0 to 1.25
09000	2401020000	Surface Coating /Wood Furniture /Total: All Solvent Types	EMP_09_NAICS=337	2607.8	2768.6	1.0617	1.00	1.25	1.0617	Limit employment growth between 1.0 to 1.25
09000	2401025000	Surface Coating /Metal Furniture /Total: All Solvent Types	EMP_09_NAICS=337	2607.8	2768.6	1.0617	1.00	1.25	1.0617	Limit employment growth between 1.0 to 1.25
09000	2401030000	Surface Coating /Paper /Total: All Solvent Types	EMP_09_NAICS=322	3703.3	3531.1	0.9535	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401040000	Surface Coating /Metal Cans /Total: All Solvent Types	EMP_09_NAICS=332	27974.5	27353.5	0.9778	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401045000	Surface Coating /Metal Coils /Total: All Solvent Types	EMP_09_NAICS=332	27974.5	27353.5	0.9778	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401050000	Surface Coating /Misc Finished Metals /Total: All Solvent Types	EMP_09_NAICS=332	27974.5	27353.5	0.9778	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401055000	Surface Coating /Machinery & Equipment /Total: All Solvent Types	EMP_09_NAICS=333	15017.9	14609.3	0.9728	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401060000	Surface Coating /Large Appliances /Total: All Solvent Types	EMP_09_NAICS=335	9757.7	9593.9	0.9832	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401065000	Surface Coating /Electronic & Other Electrical /Total: All Solvent Types	EMP_09_NAICS=334	13074.1	12090.7	0.9248	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401070000	Surface Coating /Motor Vehicles /Total: All Solvent Types	EMP_09_NAICS=336	42112.7	41756.9	0.9916	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401075000	Surface Coating /Aircraft /Total: All Solvent Types	EMP_09_NAICS=336	42112.7	41756.9	0.9916	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25



## Area Source Growth Factors for Connecticut

FIPS	SCC	SCC SHORT NAME	Growth_Code	Base Year		Growth Factor	Low-End Cap	High-End Cap	"Capped" Growth Factor	SRA Comments
				2011	2017					
				Year Raw Data	Year Raw Data					
09000	2401080000	Surface Coating /Marine /Total: All Solvent Types	EMP_09_NAICS=336	42112.7	41756.9	0.9916	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401085000	Surface Coating /Railroad /Total: All Solvent Types	EMP_09_NAICS=336	42112.7	41756.9	0.9916	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2401090000	Surface Coating /Misc Manufacturing /Total: All Solvent Types	EMP_09_NAICS=339	9880.6	9950.2	1.0070	1.00	1.25	1.0070	Limit employment growth between 1.0 to 1.25
09000	2415000000	Degreasing /All Processes/All Industries /Total: All Solvent Types	EMP_09_NAICS=31-33_441_811	69456.6	71638.2	1.0314	1.00	1.25	1.0314	Limit employment growth between 1.0 to 1.25
09000	2415100000	Degreasing /All Industries: Open Top Degreasing /Total: All Solvent Types	EMP_09_NAICS=31-33_441_811	69456.6	71638.2	1.0314	1.00	1.25	1.0314	Limit employment growth between 1.0 to 1.25
09000	2415130000	Degreasing /Electronic & Other Elec: Open Top Degreasing /Total: All Solvent Type	EMP_09_NAICS=334	13074.1	12090.7	0.9248	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2415300000	Degreasing /All Industries: Cold Cleaning /Total: All Solvent Types	EMP_09_NAICS=31-33_441_811	69456.6	71638.2	1.0314	1.00	1.25	1.0314	Limit employment growth between 1.0 to 1.25
09000	2415360000	Degreasing /Auto Repair Services: Cold Cleaning /Total: All Solvent Types	EMP_09_NAICS=611	13458.6	14158.2	1.0520	1.00	1.25	1.0520	Limit employment growth between 1.0 to 1.25
09000	2420000000	Dry Cleaning /All Processes /Total: All Solvent Types	EMP_09_NAICS=812	18510.5	19179.5	1.0361	1.00	1.25	1.0361	Limit employment growth between 1.0 to 1.25
09000	2420010000	Dry Cleaning /Commercial/Industrial Cleaners /Total: All Solvent Types	EMP_09_NAICS=812	18510.5	19179.5	1.0361	1.00	1.25	1.0361	Limit employment growth between 1.0 to 1.25
09000	2420010370	Dry Cleaning /Commercial/Industrial Cleaners /Special Naphthas	EMP_09_NAICS=812	18510.5	19179.5	1.0361	1.00	1.25	1.0361	Limit employment growth between 1.0 to 1.25
09000	2461020000	Misc Non-Industrial: Commercial /Asphalt Application: All Processes /Total: All Solv	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2461021000	Misc Non-Industrial: Commercial /Cutback Asphalt /Total: All Solvent Types	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2461022000	Misc Non-Industrial: Commercial /Emulsified Asphalt /Total: All Solvent Types	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2461023000	Misc Non-Industrial: Commercial /Asphalt Roofing /Total: All Solvent Types	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2501050030	Petrol & Petrol Product Storage /Bulk Terminals: All Evaporative Losses /Crude Oil	AEO2015_NE_TRANS_RESIDUAL	0.00537	0.002469	0.4598	0.00	100.00	0.4598	
09000	2501050060	Petrol & Petrol Product Storage /Bulk Terminals: All Evaporative Losses /Residual	AEO2015_NE_TRANS_RESIDUAL	0.00537	0.002469	0.4598	0.00	100.00	0.4598	
09000	2501050090	Petrol & Petrol Product Storage /Bulk Terminals: All Evaporative Losses /Distillate	AEO2015_NE_TRANS_DIESEL	0.1674	0.199898	1.1941	0.00	100.00	1.1941	
09000	2501050120	Petrol & Petrol Product Storage /Bulk Terminals: All Evaporative Losses /Gasoline	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2501050150	Petrol & Petrol Product Storage /Bulk Terminals: All Evaporative Losses /Jet Naphth	AEO2015_NE_TRANS_JETFUEL	0.066493	0.060578	0.9110	0.00	100.00	0.9110	
09000	2501050180	Petrol & Petrol Product Storage /Bulk Terminals: All Evaporative Losses /Kerosene	AEO2015_NE_TRANS_DIESEL	0.1674	0.199898	1.1941	0.00	100.00	1.1941	
09000	2501055120	Petrol & Petrol Product Storage /Bulk Plants: All Evaporative Losses /Gasoline	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2501060100	Gasoline Service Stations /Stage 2: Total	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2501060101	Gasoline Service Stations /Stage 2: Displacement Loss/Uncontrolled	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2501060102	Gasoline Service Stations /Stage 2: Displacement Loss/Controlled	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2501060103	Gasoline Service Stations /Stage 2: Spillage	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2501070100	Diesel Service Stations /Stage 2: Total	AEO2015_NE_TRANS_DIESEL	0.1674	0.199898	1.1941	0.00	100.00	1.1941	
09000	2501080050	Petrol & Petrol Product Storage /Airports : Aviation Gasoline /Stage 1: Total	AEO2015_NE_TRANS_AVGAS	0.006732	0.006642	0.9866	0.00	100.00	0.9866	
09000	2501080100	Petrol & Petrol Product Storage /Airports : Aviation Gasoline /Stage 2: Total	AEO2015_NE_TRANS_AVGAS	0.006732	0.006642	0.9866	0.00	100.00	0.9866	
09000	2501080201	Petrol & Petrol Product Storage /Airports : Aviation Gasoline /Stage 2: Total	AEO2015_NE_TRANS_AVGAS	0.006732	0.006642	0.9866	0.00	100.00	0.9866	
09000	2501995060	Petrol & Petrol Product Storage /All Storage Types: Working Loss /Residual Oil	AEO2015_NE_TRANS_RESIDUAL	0.00537	0.002469	0.4598	0.00	100.00	0.4598	
09000	2501995090	Petrol & Petrol Product Storage /All Storage Types: Working Loss /Distillate Oil	AEO2015_NE_TRANS_RESIDUAL	0.00537	0.002469	0.4598	0.00	100.00	0.4598	
09000	2501995120	Petrol & Petrol Product Storage /All Storage Types: Working Loss /Gasoline	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2501995150	Petrol & Petrol Product Storage /All Storage Types: Working Loss /Jet Naphtha	AEO2015_NE_TRANS_JETFUEL	0.066493	0.060578	0.9110	0.00	100.00	0.9110	
09000	2501995180	Petrol & Petrol Product Storage /All Storage Types: Working Loss /Kerosene	AEO2015_NE_TRANS_DIESEL	0.1674	0.199898	1.1941	0.00	100.00	1.1941	
09000	2505020030	Petrol & Petrol Product Transport /Marine Vessel /Crude Oil	AEO2015_NE_TRANS_RESIDUAL	0.00537	0.002469	0.4598	0.00	100.00	0.4598	
09000	2505020060	Petrol & Petrol Product Transport /Marine Vessel /Residual Oil	AEO2015_NE_TRANS_RESIDUAL	0.00537	0.002469	0.4598	0.00	100.00	0.4598	
09000	2505020090	Petrol & Petrol Product Transport /Marine Vessel /Distillate Oil	AEO2015_NE_TRANS_DIESEL	0.1674	0.199898	1.1941	0.00	100.00	1.1941	
09000	2505020120	Petrol & Petrol Product Transport /Marine Vessel /Gasoline	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2505020150	Petrol & Petrol Product Transport /Marine Vessel /Jet Naphtha	AEO2015_NE_TRANS_JETFUEL	0.066493	0.060578	0.9110	0.00	100.00	0.9110	
09000	2505020180	Petrol & Petrol Product Transport /Marine Vessel /Kerosene	AEO2015_NE_TRANS_DIESEL	0.1674	0.199898	1.1941	0.00	100.00	1.1941	
09000	2505030120	Petrol & Petrol Product Transport /Truck /Gasoline	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2505040120	Petrol & Petrol Product Transport /Pipeline /Gasoline	AEO2015_NE_TRANS_GASOLINE	0.76791	0.727139	0.9469	0.00	100.00	0.9469	EPA has national adjustment factors for VOC for gasoline distribution
09000	2601000000	On-site Incineration /All Categories /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2601010000	On-site Incineration /Industrial /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2601020000	On-site Incineration /Commercial/Institutional /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2601030000	On-site Incineration /Residential/Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2610000100	Open Burning /All Categories /Yard Waste - Leaf Species Unspecified	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2610000400	Open Burning /All Categories /Yard Waste - Brush Species Unspecified	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2610000500	Open Burning /All Categories /Land Clearing Debris (use 26-10-005-000 for Logging)	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2610030000	Open Burning /Residential /Household Waste (use 26-10-000-xxx for Yard Wastes)	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2610040400	Open Burning /Municipal (from residences, parks, other for central burn) /Yard Waste	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2620000000	Landfills /All Categories /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2620030000	Landfills /Municipal /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2630010000	Wastewater Treatment /Industrial /Total Processed	EMP_09_NAICS=31-33	165176	162842	0.9859	1.00	1.25	1.0000	Limit employment growth between 1.0 to 1.25
09000	2660000000	Leaking Underground Storage Tanks /Leaking Underground Storage Tanks /Total: /NOGROWTH	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2680001000	Composting /100% Biosolids (e.g., sewage sludge, manure, mixtures of these mats)	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	

Area Source Growth Factors for Connecticut

FIPS	SCC	SCC SHORT NAME	Growth_Code	Base Year	Future	Growth Factor	Low-End Cap	High-End Cap	"Capped" Growth Factor	SRA Comments
				2011	2017					
				Year Raw Data	Year Raw Data	Future/Base				
09000	2680002000	Composting /Mixed Waste (e.g., a 50:50 mixture of biosolids and green wastes) /All	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2680003000	Composting /100% Green Waste (e.g., residential or municipal yard wastes) /All Pr	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2701200000	Biogenic - Vegetation - Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2701220000	Biogenic - Vegetation/Agriculture - Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2806010000	Domestic Animals Waste Emissions /Cats /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2806015000	Domestic Animals Waste Emissions /Dogs /Total	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09000	2810003000	Cigarette Smoke /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2810010000	Human Perspiration and Respiration /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2810030000	Structure Fires /Unspecified	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2810035000	Firefighting Training /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2810040000	Aircraft/Rocket Engine Firing & Testing /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2810050000	Motor Vehicle Fires /Unspecified	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09000	2810060200	Cremation /Animals	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09000	2830000000	Catastrophic/Accidental Releases /All Catastrophic/Accidental Releases /Total	NOGROWTH	1	1	1.0000	0.00	100.00	1.0000	
09001	2302002100	Food & Kindred Products /Commercial Cooking - Charbroiling /Conveyorized Charb	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2302002200	Food & Kindred Products /Commercial Cooking - Charbroiling /Under-fired Charbroi	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2302003000	Food & Kindred Products /Commercial Cooking - Frying /Deep Fat Frying	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2302003100	Food & Kindred Products /Commercial Cooking - Frying /Flat Griddle Frying	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2302003200	Food & Kindred Products /Commercial Cooking - Frying /Clamshell Griddle Frying	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2401001000	Surface Coating /Architectural Coatings /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2401002000	Surface Coating /Architectural Coatings - Solvent-based /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2401003000	Surface Coating /Architectural Coatings - Water-based /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2401100000	Surface Coating /Industrial Maintenance Coatings /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2401200000	Surface Coating /Other Special Purpose Coatings /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2425000000	Graphic Arts /All Processes /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2425010000	Graphic Arts /Lithography /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2425020000	Graphic Arts /Letterpress /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2425030000	Graphic Arts /Rotogravure /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2425040000	Graphic Arts /Flexography /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2440020000	Misc Industrial /Adhesive (Industrial) Application /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2460000000	Misc Non-Indus: Consumer & Comm /All Processes /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2460100000	Misc Non-Indus: Consumer & Comm /All Personal Care Products /Total: All Solvent	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2460200000	Misc Non-Indus: Consumer & Comm /All Household Products /Total: All Solvent Ty	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2460400000	Misc Non-Indus: Consumer & Comm /All Auto Aftermarket Products /Total: All Solv	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2460500000	Misc Non-Indus: Consumer & Comm /All Coatings & Related Products /Total: All So	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2460600000	Misc Non-Indus: Consumer & Comm /All Adhesives & Sealants /Total: All Solvent T	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2460800000	Misc Non-Indus: Consumer & Comm /All FIFRA Related Products /Total: All Solven	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2460900000	Misc Non-Indus: Consumer & Comm /Misc Products (Not Otherwise Covered) /Tota	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2461800000	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Total: All So	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2461800001	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Surface App	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2461800002	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Soil Incorpor	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2461870999	Misc Non-Industrial: Commercial /Pesticide Application: Non-Agricultural /Not Elsea	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2465800000	Misc Non-Indus: Consumer /Pesticide Application /Total: All Solvent Types	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2630020000	Wastewater Treatment /Public Owned /Total Processed	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2640000000	TSDFs /All TSDF Types /Total: All Processes	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2810025000	Charcoal Grilling - Residential /Total	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09001	2810060100	Cremation /Humans	POP_09001	921446.6	937303	1.0172	0.00	100.00	1.0172	
09003	2302002100	Food & Kindred Products /Commercial Cooking - Charbroiling /Conveyorized Charb	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2302002200	Food & Kindred Products /Commercial Cooking - Charbroiling /Under-fired Charbroi	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2302003000	Food & Kindred Products /Commercial Cooking - Frying /Deep Fat Frying	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2302003100	Food & Kindred Products /Commercial Cooking - Frying /Flat Griddle Frying	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2302003200	Food & Kindred Products /Commercial Cooking - Frying /Clamshell Griddle Frying	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2401001000	Surface Coating /Architectural Coatings /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2401002000	Surface Coating /Architectural Coatings - Solvent-based /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2401003000	Surface Coating /Architectural Coatings - Water-based /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2401100000	Surface Coating /Industrial Maintenance Coatings /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2401200000	Surface Coating /Other Special Purpose Coatings /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	



## Area Source Growth Factors for Connecticut

FIPS	SCC	SCC SHORT NAME	Growth Code	Base Year	2011	Growth Factor	Low-End Cap	High-End Cap	"Capped" Growth Factor	SRA Comments
				Future Year	2017					
				Year Raw Data	Year Raw Data	Future/Base				
09003	2425000000	Graphic Arts /All Processes /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2425010000	Graphic Arts /Lithography /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2425020000	Graphic Arts /Letterpress /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2425030000	Graphic Arts /Rotogravure /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2425040000	Graphic Arts /Flexography /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2440020000	Misc Industrial /Adhesive (Industrial) Application /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2460000000	Misc Non-Indus: Consumer & Comm /All Processes /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2460100000	Misc Non-Indus: Consumer & Comm /All Personal Care Products /Total: All Solvent	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2460200000	Misc Non-Indus: Consumer & Comm /All Household Products /Total: All Solvent Ty	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2460400000	Misc Non-Indus: Consumer & Comm /All Auto Aftermarket Products /Total: All Solv	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2460500000	Misc Non-Indus: Consumer & Comm /All Coatings & Related Products /Total: All Sc	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2460600000	Misc Non-Indus: Consumer & Comm /All Adhesives & Sealants /Total: All Solvent T	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2460800000	Misc Non-Indus: Consumer & Comm /All FIFRA Related Products /Total: All Solven	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2460900000	Misc Non-Indus: Consumer & Comm /Misc Products (Not Otherwise Covered) /Tota	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2461800000	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Total: All So	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2461800001	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Surface App	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2461800002	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Soll Incorp	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2461870999	Misc Non-Industrial: Commercial /Pesticide Application: Non-Agricultural /Not Eisea	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2465800000	Misc Non-Indus: Consumer /Pesticide Application /Total: All Solvent Types	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2630020000	Wastewater Treatment /Public Owned /Total Processed	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2640000000	TSDFs /All TSDF Types /Total: All Processes	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2810025000	Charcoal Grilling - Residential /Total	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09003	2810060100	Cremation /Humans	POP_09003	897767.2	916751.2	1.0211	0.00	100.00	1.0211	
09005	2302002100	Food & Kindred Products /Commercial Cooking - Charbroiling /Conveyortized Charb	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2302002200	Food & Kindred Products /Commercial Cooking - Charbroiling /Under-fired Charbroil	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2302003000	Food & Kindred Products /Commercial Cooking - Frying /Deep Fat Frying	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2302003100	Food & Kindred Products /Commercial Cooking - Frying /Flat Griddle Frying	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2302003200	Food & Kindred Products /Commercial Cooking - Frying /Clamshell Griddle Frying	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2401001000	Surface Coating /Architectural Coatings /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2401002000	Surface Coating /Architectural Coatings - Solvent-based /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2401003000	Surface Coating /Architectural Coatings - Water-based /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2401100000	Surface Coating /Industrial Maintenance Coatings /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2401200000	Surface Coating /Other Special Purpose Coatings /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2425000000	Graphic Arts /All Processes /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2425010000	Graphic Arts /Lithography /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2425020000	Graphic Arts /Letterpress /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2425030000	Graphic Arts /Rotogravure /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2425040000	Graphic Arts /Flexography /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2440020000	Misc Industrial /Adhesive (Industrial) Application /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2460000000	Misc Non-Indus: Consumer & Comm /All Processes /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2460100000	Misc Non-Indus: Consumer & Comm /All Personal Care Products /Total: All Solvent	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2460200000	Misc Non-Indus: Consumer & Comm /All Household Products /Total: All Solvent Ty	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2460400000	Misc Non-Indus: Consumer & Comm /All Auto Aftermarket Products /Total: All Solv	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2460500000	Misc Non-Indus: Consumer & Comm /All Coatings & Related Products /Total: All Sc	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2460600000	Misc Non-Indus: Consumer & Comm /All Adhesives & Sealants /Total: All Solvent T	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2460800000	Misc Non-Indus: Consumer & Comm /All FIFRA Related Products /Total: All Solven	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2460900000	Misc Non-Indus: Consumer & Comm /Misc Products (Not Otherwise Covered) /Tota	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2461800000	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Total: All So	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2461800001	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Surface App	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2461800002	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Soll Incorp	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2461870999	Misc Non-Industrial: Commercial /Pesticide Application: Non-Agricultural /Not Eisea	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2465800000	Misc Non-Indus: Consumer /Pesticide Application /Total: All Solvent Types	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2630020000	Wastewater Treatment /Public Owned /Total Processed	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2640000000	TSDFs /All TSDF Types /Total: All Processes	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2810025000	Charcoal Grilling - Residential /Total	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09005	2810060100	Cremation /Humans	POP_09005	190309.6	192559.2	1.0118	0.00	100.00	1.0118	
09007	2302002100	Food & Kindred Products /Commercial Cooking - Charbroiling /Conveyortized Charb	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191	



Area Source Growth Factors for Connecticut

FIPS	SCC	SCC SHORT NAME	Growth_Code	Base Year	2011	Future	2017	Growth Factor	Low-End Cap	High-End Cap	"Capped" Growth Factor	SRA Comments
				Year Raw Data	Year Raw Data	Year Raw Data	Year Raw Data					
09007	2302002200	Food & Kindred Products /Commercial Cooking - Charbroiling /Under-fired Charbroil	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2302003000	Food & Kindred Products /Commercial Cooking - Frying /Deep Fat Frying	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2302003100	Food & Kindred Products /Commercial Cooking - Frying /Flat Griddle Frying	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2302003200	Food & Kindred Products /Commercial Cooking - Frying /Clamshell Griddle Frying	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2401001000	Surface Coating /Architectural Coatings /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2401002000	Surface Coating /Architectural Coatings - Solvent-based /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2401003000	Surface Coating /Architectural Coatings - Water-based /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2401100000	Surface Coating /Industrial Maintenance Coatings /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2401200000	Surface Coating /Other Special Purpose Coatings /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2425000000	Graphic Arts /All Processes /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2425010000	Graphic Arts /Lithography /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2425020000	Graphic Arts /Letterpress /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2425030000	Graphic Arts /Rotogravure /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2425040000	Graphic Arts /Flexography /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2440020000	Misc Industrial /Adhesive (Industrial) Application /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2460000000	Misc Non-Indus: Consumer & Comm /All Processes /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2460100000	Misc Non-Indus: Consumer & Comm /All Personal Care Products /Total: All Solvent	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2460200000	Misc Non-Indus: Consumer & Comm /All Household Products /Total: All Solvent Ty	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2460400000	Misc Non-Indus: Consumer & Comm /All Auto Aftermarket Products /Total: All Solv	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2460500000	Misc Non-Indus: Consumer & Comm /All Coatings & Related Products /Total: All Sc	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2460600000	Misc Non-Indus: Consumer & Comm /All Adhesives & Sealants /Total: All Solvent T	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2460800000	Misc Non-Indus: Consumer & Comm /All FIFRA Related Products /Total: All Solven	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2460900000	Misc Non-Indus: Consumer & Comm /Misc Products (Not Otherwise Covered) /Tota	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2461800000	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Surf	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2461800002	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Soil Incorp	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2461870999	Misc Non-Industrial: Commercial /Pesticide Application: Non-Agricultural /Not Elsew	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2465800000	Misc Non-Indus: Consumer /Pesticide Application /Total: All Solvent Types	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2630020000	Wastewater Treatment /Public Owned /Total Processed	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2640000000	TSDFs /All TSDF Types /Total: All Processes	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2810025000	Charcoal Grilling - Residential /Total	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09007	2810060100	Cremation /Humans	POP_09007	166324.2	169507	1.0191	0.00	100.00	1.0191			
09009	2302002100	Food & Kindred Products /Commercial Cooking - Charbroiling /Conveyorized Charb	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2302002200	Food & Kindred Products /Commercial Cooking - Charbroiling /Under-fired Charbroil	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2302003000	Food & Kindred Products /Commercial Cooking - Frying /Deep Fat Frying	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2302003100	Food & Kindred Products /Commercial Cooking - Frying /Flat Griddle Frying	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2302003200	Food & Kindred Products /Commercial Cooking - Frying /Clamshell Griddle Frying	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2401001000	Surface Coating /Architectural Coatings /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2401002000	Surface Coating /Architectural Coatings - Solvent-based /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2401003000	Surface Coating /Architectural Coatings - Water-based /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2401100000	Surface Coating /Industrial Maintenance Coatings /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2401200000	Surface Coating /Other Special Purpose Coatings /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2425000000	Graphic Arts /All Processes /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2425010000	Graphic Arts /Lithography /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2425020000	Graphic Arts /Letterpress /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2425030000	Graphic Arts /Rotogravure /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2425040000	Graphic Arts /Flexography /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2440020000	Misc Industrial /Adhesive (Industrial) Application /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2460000000	Misc Non-Indus: Consumer & Comm /All Processes /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2460100000	Misc Non-Indus: Consumer & Comm /All Personal Care Products /Total: All Solvent	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2460200000	Misc Non-Indus: Consumer & Comm /All Household Products /Total: All Solvent Ty	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2460400000	Misc Non-Indus: Consumer & Comm /All Auto Aftermarket Products /Total: All Solv	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2460500000	Misc Non-Indus: Consumer & Comm /All Coatings & Related Products /Total: All Sc	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2460600000	Misc Non-Indus: Consumer & Comm /All Adhesives & Sealants /Total: All Solvent T	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2460800000	Misc Non-Indus: Consumer & Comm /All FIFRA Related Products /Total: All Solven	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2460900000	Misc Non-Indus: Consumer & Comm /Misc Products (Not Otherwise Covered) /Tota	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			
09009	2461800000	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Total: All So	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249			

## Area Source Growth Factors for Connecticut

FIPS	SCC	SCC SHORT NAME	Growth_Code	Base Year	2011	Growth Factor	Low-End Cap	High-End Cap	"Capped" Growth Factor	SRA Comments
				Future Year	2017					
				Base Year Raw Data	Future Year Raw Data	Future/Base				
09009	2461800001	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Surface App	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249	
09009	2461800002	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Soil Incorpor	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249	
09009	2461870999	Misc Non-Industrial: Commercial /Pesticide Application: Non-Agricultural /Not Elsew	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249	
09009	2465800000	Misc Non-Indus: Consumer /Pesticide Application /Total: All Solvent Types	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249	
09009	2630020000	Wastewater Treatment /Public Owned /Total Processed	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249	
09009	2640000000	TSDFs /All TSDF Types /Total: All Processes	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249	
09009	2810025000	Charcoal Grilling - Residential /Total	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249	
09009	2810060100	Cremation /Humans	POP_09009	866666	888230	1.0249	0.00	100.00	1.0249	
09011	2302002100	Food & Kindred Products /Commercial Cooking - Charbroiling /Conveyorized Charb	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2302002200	Food & Kindred Products /Commercial Cooking - Charbroiling /Under-fired Charbroil	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2302003000	Food & Kindred Products /Commercial Cooking - Frying /Deep Fat Frying	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2302003100	Food & Kindred Products /Commercial Cooking - Frying /Flat Griddle Frying	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2302003200	Food & Kindred Products /Commercial Cooking - Frying /Clamshell Griddle Frying	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2401001000	Surface Coating /Architectural Coatings /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2401002000	Surface Coating /Architectural Coatings - Solvent-based /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2401003000	Surface Coating /Architectural Coatings - Water-based /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2401100000	Surface Coating /Industrial Maintenance Coatings /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2401200000	Surface Coating /Other Special Purpose Coatings /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2425000000	Graphic Arts /All Processes /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2425010000	Graphic Arts /Lithography /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2425020000	Graphic Arts /Letterpress /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2425030000	Graphic Arts /Rotogravure /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2425040000	Graphic Arts /Flexography /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2440020000	Misc Industrial /Adhesive (Industrial) Application /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2460000000	Misc Non-Indus: Consumer & Comm /All Processes /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2460100000	Misc Non-Indus: Consumer & Comm /All Personal Care Products /Total: All Solvent	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2460200000	Misc Non-Indus: Consumer & Comm /All Household Products /Total: All Solvent Ty	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2460400000	Misc Non-Indus: Consumer & Comm /All Auto Aftermarket Products /Total: All Solv	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2460500000	Misc Non-Indus: Consumer & Comm /All Coatings & Related Products /Total: All So	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2460600000	Misc Non-Indus: Consumer & Comm /All Adhesives & Sealants /Total: All Solvent T	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2460800000	Misc Non-Indus: Consumer & Comm /All FIFRA Related Products /Total: All Solven	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2460900000	Misc Non-Indus: Consumer & Comm /Misc Products (Not Otherwise Covered) /Tota	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2461800000	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Total: All So	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2461800001	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Surface App	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2461800002	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Soil Incorpor	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2461870999	Misc Non-Industrial: Commercial /Pesticide Application: Non-Agricultural /Not Elsew	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2465800000	Misc Non-Indus: Consumer /Pesticide Application /Total: All Solvent Types	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2630020000	Wastewater Treatment /Public Owned /Total Processed	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2640000000	TSDFs /All TSDF Types /Total: All Processes	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2810025000	Charcoal Grilling - Residential /Total	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09011	2810060100	Cremation /Humans	POP_09011	275195	281319	1.0223	0.00	100.00	1.0223	
09013	2302002100	Food & Kindred Products /Commercial Cooking - Charbroiling /Conveyorized Charb	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2302002200	Food & Kindred Products /Commercial Cooking - Charbroiling /Under-fired Charbroil	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2302003000	Food & Kindred Products /Commercial Cooking - Frying /Deep Fat Frying	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2302003100	Food & Kindred Products /Commercial Cooking - Frying /Flat Griddle Frying	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2302003200	Food & Kindred Products /Commercial Cooking - Frying /Clamshell Griddle Frying	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2401001000	Surface Coating /Architectural Coatings /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2401002000	Surface Coating /Architectural Coatings - Solvent-based /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2401003000	Surface Coating /Architectural Coatings - Water-based /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2401100000	Surface Coating /Industrial Maintenance Coatings /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2401200000	Surface Coating /Other Special Purpose Coatings /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2425000000	Graphic Arts /All Processes /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2425010000	Graphic Arts /Lithography /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2425020000	Graphic Arts /Letterpress /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2425030000	Graphic Arts /Rotogravure /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2425040000	Graphic Arts /Flexography /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2440020000	Misc Industrial /Adhesive (Industrial) Application /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	



## Area Source Growth Factors for Connecticut

FIPS	SCC	SCC SHORT NAME	Growth_Code	Base Year	2011	Growth Factor	Low-End Cap	High-End Cap	"Capped" Growth Factor	SRA Comments
				Future Year	2017					
				Year Raw Data	Year Raw Data	Future/Base				
09013	2460000000	Misc Non-Indus: Consumer & Comm /All Processes /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2460100000	Misc Non-Indus: Consumer & Comm /All Personal Care Products /Total: All Solvent POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2460200000	Misc Non-Indus: Consumer & Comm /All Household Products /Total: All Solvent Tj POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2460400000	Misc Non-Indus: Consumer & Comm /All Auto Aftermarket Products /Total: All Solvr POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2460500000	Misc Non-Indus: Consumer & Comm /All Coatings & Related Products /Total: All Sc POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2460600000	Misc Non-Indus: Consumer & Comm /All Adhesives & Sealants /Total: All Solvent T POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2460800000	Misc Non-Indus: Consumer & Comm /All FIFRA Related Products /Total: All Solven POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2460900000	Misc Non-Indus: Consumer & Comm /Misc Products (Not Otherwise Covered) /Total POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2461800000	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Total: All So POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2461800001	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Surface App POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2461800002	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Soil Incorpor POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2461870999	Misc Non-Industrial: Commercial /Pesticide Application: Non-Agricultural /Not Elsew POP_09013	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2465800000	Misc Non-Indus: Consumer /Pesticide Application /Total: All Solvent Types	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2630020000	Wastewater Treatment /Public Owned /Total Processed	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2640000000	TSDFs /All TSDF Types /Total: All Processes	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2810025000	Charcoal Grilling - Residential /Total	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09013	2810060100	Cremation /Humans	POP_09013	153409.6	156996.8	1.0234	0.00	100.00	1.0234	
09015	2302002100	Food & Kindred Products /Commercial Cooking - Charbroiling /Conveyortized Charb POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2302002200	Food & Kindred Products /Commercial Cooking - Charbroiling /Under-fired Charbroil POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2302003000	Food & Kindred Products /Commercial Cooking - Frying /Deep Fat Frying	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2302003100	Food & Kindred Products /Commercial Cooking - Frying /Flat Griddle Frying	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2302003200	Food & Kindred Products /Commercial Cooking - Frying /Clamshell Griddle Frying	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2401001000	Surface Coating /Architectural Coatings /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2401002000	Surface Coating /Architectural Coatings - Solvent-based /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2401003000	Surface Coating /Architectural Coatings - Water-based /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2401100000	Surface Coating /Industrial Maintenance Coatings /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2401200000	Surface Coating /Other Special Purpose Coatings /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2425000000	Graphic Arts /All Processes /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2425010000	Graphic Arts /Lithography /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2425020000	Graphic Arts /Letterpress /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2425030000	Graphic Arts /Rotogravure /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2425040000	Graphic Arts /Flexography /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2440020000	Misc Industrial /Adhesive (Industrial) Application /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2460000000	Misc Non-Indus: Consumer & Comm /All Processes /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2460100000	Misc Non-Indus: Consumer & Comm /All Personal Care Products /Total: All Solvent POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2460200000	Misc Non-Indus: Consumer & Comm /All Household Products /Total: All Solvent Tj POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2460400000	Misc Non-Indus: Consumer & Comm /All Auto Aftermarket Products /Total: All Solvr POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2460500000	Misc Non-Indus: Consumer & Comm /All Coatings & Related Products /Total: All Sc POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2460600000	Misc Non-Indus: Consumer & Comm /All Adhesives & Sealants /Total: All Solvent T POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2460800000	Misc Non-Indus: Consumer & Comm /All FIFRA Related Products /Total: All Solven POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2460900000	Misc Non-Indus: Consumer & Comm /Misc Products (Not Otherwise Covered) /Total POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2461800000	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Total: All So POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2461800001	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Surface App POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2461800002	Misc Non-Industrial: Commercial /Pesticide Application: All Processes /Soil Incorpor POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2461870999	Misc Non-Industrial: Commercial /Pesticide Application: Non-Agricultural /Not Elsew POP_09015	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2465800000	Misc Non-Indus: Consumer /Pesticide Application /Total: All Solvent Types	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2630020000	Wastewater Treatment /Public Owned /Total Processed	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2640000000	TSDFs /All TSDF Types /Total: All Processes	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2810025000	Charcoal Grilling - Residential /Total	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	
09015	2810060100	Cremation /Humans	POP_09015	119358.8	124203.6	1.0406	0.00	100.00	1.0406	

## Comparison of CT 2011 & 2017 Inventories to EPA's Nelv2 "eh" Inventories and to RFP Target Levels

### Sources:

1. EPA 2011 and 2017 eh compiled from: "2017eh\_county\_monthly\_report.xls" and "2011\_county\_monthly\_report" found at: <http://ftp.epa.gov/EmissionInventory/2011v6/v2platform/reports/>  
 2. State of Connecticut PEI 2011

**Purpose:** To evaluate if the emissions reductions projected to occur between 2011 and 2017 in the Greater Connecticut Area are sufficient to meet RFP requirements.

### Methods:

1. PEI daily by scc emissions were summed for each sector presented on tab 2. SCCs were assigned to, and thereby summed for sectors, according to EPA's data category for each SCC.
- 2a. Where growth and control was not adjusted from EPA's eh modeling platform a ratio of EPA 2011 /2017 emissions for that sector was applied to the 2011 PEI sum to grow and control PEI daily emissions to 2017.
- 2b. Where better data has since been obtained growth and control factors have been noted.
3. We then compared the "expected future year" emissions to the RFP targets. DEEP chose to achieve the RFP through 15% with a 10% NOX and 5% VOC reduction.

### EPA "eh" Inventory for Greater CT

	nonpoint agfire	beis beis	nonpoint c1c2rail	c3marine c3marine	nonpoint nonpt	nonroad nonroad	onroad onroad	point pt_oilgas	point ptegu	point MWC*	point ptnonpm	fires Pscribed	fires ptwildfire3D	nonpoint rwc	Anthropogenic Total
2011	May (tons)	0	42.1489	107.8240339	22.45353662	437.759621	445.1081	1382.694866	1.72239394	116.8216215	77.23174704	0	4.448042521	3.940820276	
	June (tons)	0.33192348	45.4947	104.3458393	21.98179203	140.4688383	591.6566695	1378.037656	1.62653335	251.4567789	79.1625251	0	0.254427737	1.069202757	
	July (tons)	0	53.4053	107.8240339	23.49793542	144.0241221	586.2823878	1419.953722	1.68075113	391.203171	81.76851881	0	0.198853347	1.322763843	
	August (tons)	0.27874894	48.5741	107.8240339	23.75891722	145.1994425	588.3162923	1443.519968	1.68075113	264.8327038	81.80208385	0	0.083549287	1.060367305	
	September (tons)	0.45336457	40.2643	104.3458393	23.75891722	386.9676419	459.0369991	1316.536125	1.6291717	322.7275096	78.44499203	0	0.051300756	1.515564039	
<b>Average Summer Day (tons/day)</b>															
	0.00695449	1.72275161	3.478194643	0.757997917	4.645939422	18.91233509	45.80495877	0.05421778	7.794965951	4.82449589	2.637694155	0	0.006414624	0.042669801	88.9604239
2017	May (tons)	0	42.1489	92.10900731	23.33790074	427.3173115	292.5625856	695.0110463	1.50255257	28.8456657	77.93634409	0	4.448042521	4.25596917	
	June (tons)	0.33192348	45.4947	89.13774901	22.84774418	140.8185313	410.7081659	707.6205441	1.41875245	42.67823787	79.99632483	0	0.254427737	1.1354771	
	July (tons)	0	53.4053	92.10900731	24.42348319	144.3715369	414.7610124	712.8292705	1.46604419	60.96873045	82.62619769	0	0.198853347	1.404775248	
	August (tons)	0.27874894	48.5741	92.10900731	24.69476091	145.5613918	407.7980864	723.8237251	1.46604419	46.00694616	82.66378475	0	0.083549287	1.126115941	
	September (tons)	0.45336457	40.2643	89.13774901	22.32237107	378.2043601	300.2592232	657.7795087	1.42137406	52.81994103	79.2793431	0	0.051300756	1.614925965	
<b>Average Summer Day (tons/day)</b>															
	0.00695449	1.72275161	2.9712583	0.787854297	4.65714635	13.3793875	22.9944926	0.04729175	1.96673324	2.665361216	0	0.006414624	0.045315331	54.34629096	
<b>% Difference</b>															
	0.0%	0.0%	-14.6%	3.9%	0.2%	-29.3%	-49.8%	-12.8%	-74.8%	-100.0%	1.0%	0.0%	0.0%	6.2%	-38.91%

<b>Greater Connecticut's 2011 PEI &amp; 2017 Target Values</b>																				
	nonpoint agfire	beis beis	nonpoint c1c2rail	nonpoint c3marine	nonpoint Landfills	Nonpoint Stage II	nonpoint nonpt	nonroad NONROAD	onroad onroad	point pt_oilgas	point ptegu	point mwc	point ptnonpm	point mobile	fires Pscribed	fires ptwildfire3D	nonpoint rwc	Offset	Bank	Total
NOX	2011	Average Summer Day**	0.000000	3.478195	0.704500	0.000000	0.000000	6.156000	19.115751	50.490306	0.136495	1.980242	5.162510	2.688695	1.245412	0.000000	0.007757	0.015470	0.700000	91.873575
	2017	Expected Value With EPA Growth and Control	0.000000	2.971258	0.732249	0.000000	0.000000	6.170850	13.523292	25.346578	0.119058	0.499631	0.000000	2.716897	1.258475	0.000000	0.007757	0.016429	0.700000	53.354718
	2017	Expected Value with Connecticut Growth and Control Revisions** Target Value	0.000000	2.971258	0.732249	0.000000	0.000000	6.170850	12.500000	22.173905	0.119058	1.8466	5.162510	2.716897	1.258475	0.000000	0.007757	0.016429	0.700000	
VOC	2011	Average Summer Day**	0	0.119212042	0.025385357	0.48	0.750338341	47.56798906	27.6812191	27.825893	0.016644159	0.355339406	0.07404489	0.830868139	0.306625	0	0.0826468	0.112453024		106.146011
	2017	Expected Value With EPA Growth and Control	0.000000	0.1050	0.0331	N/A	46.9994	18.0731	17.3238	0.0166	0.1863	0.0000	0.8464	0.3124	0.0000	0.0826	0.1194			84.015444
	2017	Expected Value with Connecticut Growth and Control Revisions** Target Value	0.000000	0.1050	0.0331	0.4800	0.7503	46.9994	19.0000	15.8651	0.0166	0.0074	0.0740	0.8464	0.3124			0.1194		
<b>Total</b>																				
																			100.838711	

Sectors below are compiled of SCC's as Connecticut would categorize them							
Greater CT 2011 Base RFP Inventory							
	Stationary	Stationary Area	On Road	Non Road	Offsets	Total	
NOX	10.0	6.2	50.5	24.5	0.7	91.9	
VOC	1.3	48.9	27.8	28.1		106.1	

Sectors below are compiled of SCC's as Connecticut would categorize them							
Greater CT 2017 Base RFP Inventory							
	Stationary	Stationary Area	On Road	Non Road	Offsets	Total	
NOX	9.8	6.187279	22.2	17.4620	0.7	56.4	
VOC	0.9	48.3	15.9	19.5		84.6	

### Notes:

\*MWC total was derived by summing the SCC for the MWCs in greater Connecticut (and ReEnergy Sterling) from EPA's report "http://ftp.epa.gov/EmissionInventory/2011v6/v2platform/reports/2011eh\_2017eh\_ptegu\_unit\_comparison.xlsx" and dividing by 365 since MWC in CT typically operate consistently throughout the year. This total for the greater CT area was also subtracted from the EGU total presented in the "eh" tables at the top of this page.

\*\*Some revisions to the PEI were needed for RFP. Railroad emissions were replaced with EPA values, Summer day airport emissions were corrected, Landfill emissions accidentally omitted were added and Mobile sources were updated with MOVES 2014a. These are noted in detail in appendix B.

\*\*\*Connecticut used the EPA growth and control for area sources as they were consistent with MARAMA/Connecticut approach having accepted the submitted comments to the inventory (see elsewhere in appendix C for detailed area factors). For EGU sector ERTAC was used rather than IPM for growth and control, with the exception of MWCs. Connecticut flatlined MWC growth and controls will be applied too late for the 2017 ozone season. On Road and Non-Road growth and control was updated to reflect 2014a inputs described in appendix B.