

Appendix B – Connecticut 2009 Greenhouse Gas Inventory Data Graphics

Table 1

Connecticut Greenhouse Gas Emissions 1990 – 2007 – Million Metric Tons Carbon Dioxide Equivalent

Emissions (MMTCO2E)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Energy	42.090	41.326	41.651	39.797	39.126	38.369	41.559	44.616	42.232	43.477	44.704	42.775	41.143	43.236	45.333	44.825	41.698
CO2 from Fossil Fuel Combustion	40.978	40.169	40.463	38.576	37.906	37.118	40.308	43.387	41.026	42.306	43.523	41.704	40.172	42.302	44.452	44.015	40.960
Stationary Combustion	0.210	0.212	0.227	0.222	0.217	0.225	0.235	0.220	0.200	0.199	0.228	0.179	0.166	0.184	0.184	0.165	0.151
Mobile Combustion	0.902	0.945	0.961	0.999	1.003	1.027	1.016	1.009	1.007	0.972	0.953	0.892	0.805	0.750	0.696	0.645	0.587
Industrial Processes	0.313	0.300	0.312	0.345	0.429	0.624	0.737	1.685	1.682	1.637	1.800	1.826	1.928	1.870	2.118	2.027	2.005
Agriculture	0.340	0.325	0.379	0.384	0.390	0.383	0.316	0.308	0.326	0.337	0.325	0.332	0.352	0.334	0.319	0.433	0.288
Enteric Fermentation	0.137	0.134	0.134	0.131	0.131	0.131	0.120	0.116	0.120	0.117	0.118	0.112	0.109	0.103	0.099	0.100	0.095
Manure Management	0.046	0.046	0.070	0.071	0.071	0.069	0.045	0.043	0.047	0.047	0.045	0.045	0.044	0.042	0.040	0.102	0.041
Agricultural Soil Management	0.157	0.145	0.175	0.182	0.188	0.183	0.151	0.148	0.159	0.172	0.162	0.174	0.199	0.188	0.180	0.232	0.152
Waste	1.546	1.716	1.599	1.495	1.714	1.704	1.661	1.309	1.594	1.570	1.621	1.537	1.333	1.647	1.936	2.085	2.059
Municipal Solid Waste	1.235	1.404	1.286	1.183	1.401	1.393	1.349	0.997	1.282	1.255	1.292	1.205	1.001	1.312	1.599	1.747	1.720
Wastewater	0.311	0.312	0.312	0.312	0.313	0.311	0.312	0.312	0.313	0.315	0.329	0.333	0.332	0.335	0.337	0.338	0.339
Gross Emissions	44.290	43.667	43.940	42.021	41.659	41.080	44.273	47.918	45.835	47.022	48.450	46.470	44.757	47.087	49.706	49.370	46.051

Table 2

Connecticut Greenhouse Gas Emissions from Fossil Fuel Combustion 1990 – 2007 – Million Metric Tons Carbon Dioxide Equivalent

MMTCO2E	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Residential	8.113	7.863	9.328	8.901	8.511	7.819	8.301	8.059	7.033	7.921	8.663	8.399	8.165	9.476	10.116	9.276	8.046	8.315
Coal	0.006	0.006	0.009	0.006	0.005	0.007	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Petroleum	6.056	5.825	7.009	6.597	6.232	5.583	5.913	5.847	5.109	5.837	6.397	6.173	5.953	7.043	7.782	6.843	5.882	5.949
Natural Gas	2.051	2.032	2.310	2.298	2.274	2.228	2.386	2.210	1.921	2.082	2.264	2.225	2.210	2.432	2.332	2.431	2.163	2.364
Commercial	3.761	3.577	4.216	3.756	4.098	3.762	4.043	4.201	3.918	4.194	4.436	4.204	4.038	4.714	3.750	3.661	3.277	3.262
Coal	0.025	0.028	0.041	0.026	0.026	0.050	0.012	0.016	0.016	0.013	0.009	0.009	0.009	0.009	0.009	0.012	0.009	0.007
Petroleum	2.126	2.083	2.550	2.019	1.935	1.645	1.861	1.863	1.600	1.600	1.784	1.788	1.804	2.639	1.866	1.697	1.460	1.293
Natural Gas	1.611	1.467	1.626	1.711	2.136	2.068	2.170	2.323	2.302	2.581	2.643	2.407	2.224	2.066	1.875	1.953	1.808	1.962
Industrial	3.170	3.350	3.624	3.668	3.274	3.016	3.549	3.484	3.343	3.377	3.437	2.646	2.572	2.981	2.794	2.856	2.746	2.446
Coal	0.003	0.007	0.028	0.070	0.069	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
Petroleum	1.802	1.595	1.649	1.630	1.568	1.299	1.819	1.645	1.622	1.689	1.736	1.300	1.021	1.760	1.741	1.773	1.588	1.245
Natural Gas	1.365	1.749	1.947	1.967	1.637	1.718	1.730	1.839	1.721	1.689	1.701	1.346	1.551	1.221	1.053	1.080	1.158	1.202
Transportation	14.670	14.549	14.615	14.757	14.693	14.382	15.157	15.196	15.412	16.685	16.173	16.892	16.812	17.308	19.197	18.328	17.488	17.456
Petroleum	14.643	14.521	14.581	14.730	14.653	14.317	15.078	15.056	15.362	16.519	16.002	16.724	16.666	17.118	19.008	18.141	17.307	17.213
Natural Gas	0.027	0.029	0.033	0.027	0.040	0.065	0.079	0.140	0.050	0.166	0.172	0.168	0.146	0.190	0.189	0.187	0.180	0.243
Electric Power	11.264	10.829	8.680	7.495	7.331	8.138	9.258	12.446	11.320	10.129	10.814	9.564	8.585	7.823	8.596	9.894	9.405	8.766
Coal	3.547	3.547	3.566	3.370	3.492	3.734	3.807	4.170	2.984	1.401	3.356	3.704	3.167	3.878	4.076	3.888	4.237	3.700
Petroleum	7.024	6.455	4.376	3.493	2.840	2.838	4.480	6.953	7.225	7.032	5.611	4.132	1.897	1.672	1.354	2.580	1.099	1.117
Natural Gas	0.693	0.828	0.738	0.632	0.999	1.566	0.972	1.322	1.110	1.696	1.846	1.728	3.521	2.274	3.167	3.425	4.068	3.949
TOTAL	40.978	40.169	40.463	38.576	37.906	37.118	40.308	43.387	41.026	42.306	43.523	41.704	40.172	42.302	44.452	44.015	40.960	40.244
Coal	3.581	3.587	3.644	3.472	3.591	3.791	3.821	4.188	3.002	1.416	3.367	3.714	3.177	3.888	4.086	3.903	4.246	3.708
Petroleum	31.651	30.478	30.165	28.469	27.228	25.682	29.151	31.364	30.918	32.676	31.531	30.116	27.342	30.232	31.750	31.035	27.336	26.817
Natural Gas	5.747	6.104	6.654	6.635	7.087	7.645	7.337	7.835	7.106	8.214	8.626	7.873	9.653	8.182	8.616	9.077	9.377	9.719