

## SUMMARY REPORT - MUNICIPAL SOLID WASTE (MSW) RECYCLING & DISPOSAL DATA for CONNECTICUT CITIES & TOWNS - FY2014

#### Notes about the Data Presented Below

Data presented below was updated May 2017 by the Connecticut Department of Energy and Environmental Protection (CTDEEP) Bureau of Materials Management & Compliance Assurance (MM&CA) Questions? Corrections? Please e-mail <u>Judy Belaval</u> at the CT DEEP Bureau of MM&CA or call (860) 424-3237.

- MSW recycling data in this report is based on (1) the tonnage of bottles, cans, and paper reported received for recycling from CT municipalities by CT solid waste facilities permitted to process or transfer recyclables; (2) tonnage of other material recycled as reported in the FY2014 Annual Municipal Recycling Reports; and (3) tonnage of recyclables direct hauled out-of-state as reported by haulers. The tonnage of MSW recycled includes both "designated recyclable items" and other MSW recyclable items and also includes material reported reused through municipal swap areas
- \*MSW disposal data in this report is based on (1) tonnage of MSW generated within the borders of CT municipalities and reported received for disposal and/or transfer to disposal by CT solid waste transfer stations, resource recovery facilities and landfills; (2) tonnage of MSW reported direct hauled to out-of-state disposal by haulers and/or CT municipalities (as reported on the FY2014 Annual Municipal Recycling Reports). It includes MSW generated by both the residential and non-residential sectors. It generally does not knowingly include wastes such as construction and demolition wastes, industrial sludges, or land-clearing debris.
- The data presented below reflects only information reported to the CTDEEP. MSW disposal and recycling tonnages could likely be underestimated for those CT towns or cities if their disposed MSW and/or their recyclables were delivered directly to an out-of-state destination or directly to an end market without first going through a CT permitted SW facility and that tonnage was not reported to the CTDEEP by either the hauler or the municipality. If disposal tonnages are under reported, the MSW recycling rate for that town would be over-estimated since the percent recycled = tons recycled/(tons recycled + tons disposed).
- ◆ The accuracy of the data presented below is contingent upon the accuracy of data submitted to the CTDEEP by the reporting entities identified above.
  - ° Rows with blue shading indicate extremely low MSW disposal rates (<600 pounds/person/year). Data regarding the amount of MSW disposed for that town may not be completely captured in reports submitted to the CTDEEP.</p>
  - Rows with brown shading indicate municipalities with extremely high MSW disposal rates (>1800 pounds/person/year). This may be due to data issues; however in many cases, these higher disposal rates can be attributed to demographics i.e. large number of businesses, manufacturers, universities, casinos etc.; influx of summer residents; specific industry generating large amounts of waste, etc..
- Towns in green font have tonnages combined with another town because they share a municipal TS which does not have a scale and therefore tons received are not tracked by town of origin.
- Towns in red font had not, as of May 2017, submitted their FY2014 Annual Municipal Recycling Report to the CTDEEP and therefore are in violation of annual municipal recycling reporting (AMRR) requirements pursuant to CGS Section 22a-220(h)
- PPY= pounds/person/year
- Combined = (Tons of Recyclables Reported as Residential) + (Tons of Recyclables Reported as Non-Residential) + (Tons of Recyclables Reported as Mixed Residential and Non-Residential)

# Please note data qualifiers at the end of this document.

Column 1 CT City or Town	Mostly on Pern	nitted SW Facili CTDE	BCP) RECYCLE ty Reports Sub	mitted to the	BCP) Based N	V RECYCLED <sup>2</sup> Mostly on Annuorts (AMRRs COLUMN 4 SCRAP METAL RECYCLED Muni Program	al Municipal	Column 6 Total MSW RECYCLED Sum of Columns 2d thru 5	Column 7 Home Composted & Grasscycled Estimate Based on (AMRRs)	Colun MSW DISPOSED on Permitted SW Submitted to	<sup>3</sup> (Based Mostly Facility Reports	Column 9 Oversized MSW DISPOSED	Oversized MSW Residential		Column 12 Tons of other Material (not MSW)
	Column 2a Residential Lbs/Person/Yr	Column 2b Combined Residential & NonRes Lbs/Person/Y	Column 2c Residential Tons	Column 2d Combined Residential & NonRes) Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Residential Tons	Combined Res & NonRes Tons	Res & NonRes Lbs/Person/Yr	Combined Res & NonRes Tons		Municipality in 2014 <u>DOL</u>	Recycled
ANDOVER	152.48	152.61	249.54	249.75	0	0	0	249.75	0	610.12	372.82	8.81	3273	381	
ANSONIA	0.00	100.98	0.00	960.32	0	0	0	960.32	0	9,255.81	973.27	0	19020	3,371	
ASHFORD	162.20	195.06	347.18	417.52	435.00	61.14	25.42	939.08	0.00	2,378.22	1,111.06	22.33	4281	570	144.33
AVON	225.69	473.67	2074.74	4354.46	0	51.76	36.77	4,442.99	35.21	10,543.97	1,146.96	165.85	18386	8,014	
BARKHAMSTED NEW HARTFORD WINCHESTER	166.10	205.44	1,797.52	2,223.32	506.25	354.61	105.81	3,189.99	347.55	11,370.05	1,050.64	156.17	21,644	5,360	226.67
BEACON FALLS	110.71	249.09	335.01	753.74	107.50	22.96	12.91	897.11	0.00	3,254.32	1,075.45	4.95	6052	867	
BERLIN	187.79	269.89	1933.27	2778.49	783.00	227.36	47.53	3,836.38	169.58	9,534.45	926.12	470	20590	11,536	
BETHANY	0.76	138.89	2.11	384.72	0	66.39	23.01	474.12	0.00	1,791.24	646.66	0	5540	1,173	
BETHEL	92.73	172.27	893.16	1659.28	312.00	210.00	20.98	2,202.26	1.62	8,737.70	907.15	107.20	19264	7,054	
BETHLEHEM	188.98	190.94	335.72	339.21	0	31.32	12.57	383.10	0.00	1,522.38	856.95	7.67	3553	707	
BLOOMFIELD	175.43	448.75	1813.34	4638.53	0	0	0	4,638.53	0	18,515.84	1,791.31	105.72	20673	19,272	
BOLTON	239.09	253.01	591.50	625.94	37.20	18.57	5.55	687.26	20.03	1,962.54	793.27	17.71	4948	1,257	
BOZRAH	113.94	900.99	150.35	1188.85	0	0	0	1,188.85	0	2,173.69	1,647.36	150.07	2639	1,172	
BRANFORD	11.79	278.80	165.02	3901.57	3,303.00	284.48	89.20	7,578.25	1,419.02	11,753.70	839.91	65.05	27988	12,791	
BRIDGEPORT	0.55	160.83	40.77	11838.71	0	0	0	11,838.71	0	98,813.67	1,342.43	19.72	147216	42,960	
BRIDGEWATER	309.62	335.44	262.56	284.45	0	0	6.97	291.42	1.29	474.25	559.26	0.00	1696	271	
BRISTOL	184.18	253.62	5577.73	7680.59	7,608.49	239.38	173.74	15,702.20	833.53	41,491.76	1,370.09	452.37	60568	21,977	
BROOKFIELD	154.27	335.42	1300.52	2827.57	1,720.00	4.85	8.14	4,560.56	0.65	9,182.67	1,089.28	319.99	16860	7,263	486.00
BROOKLYN	157.49	163.83	652.00	678.27	0	2.00	23.00	51.27	72.68	2,582.57	623.81	48.12	8280	1,761	
BURLINGTON	231.27	242.77	1097.83	1152.45	73.00	42.80	13.38	1,281.63	305.11	3,568.80	751.80	0	9494	904	4.62
CANAAN BCP	179.11	<mark>1,162.09</mark>	108.72	705.39	210.00	33.65	14.03	963.07	34.24	501.82	826.72	7.67	1214	904	

<sup>&</sup>lt;sup>1</sup> Most data re bottles, cans, paper (BCP) recycled from within the borders of the municipality is based on FY2014 quarterly recycling facility reports submitted to the CTDEEP

<sup>&</sup>lt;sup>2</sup> Data re organics, scrap metal, mattresses, and other recyclables (i.e. other than BCP) recycled by the municipality is based on FY2014 Annual Municipal Recycling Reports (AMRR) Submitted to the CTDEEP

<sup>&</sup>lt;sup>3</sup> Most data re MSW disposed from within the borders of the municipality is based on FY2014 quarterly TS, RRF, LF reports submitted to the CTDEEP – does not include oversized MSW if reported separately from MSW

Column 1 CT City or Town	Column 2 BOTTLES, CANS, PAPER (BCP) RECYCLED <sup>1</sup> (Based Mostly on Permitted SW Facility Reports Submitted to the CTDEEP)  Column 2a Column 2b Column 2d			BCP) Based N	/ RECYCLED <sup>2</sup> //ostly on Annuorts (AMRRs) Column 4 SCRAP METAL RECYCLED Muni Program	ial Municipal	Column 6 Total MSW RECYCLED Sum of Columns 2d thru 5	Column 7 Home Composted & Grasscycled ium of umns 2d  Column 7 Home Composted & Grasscycled Estimate Based on  Column 8  MSW DISPOSED  MSW DISPOSED  Oversized MSW DISPOSED  O			Column 10  Residential Population July 2013 (DPH)	Column 11  # of People Working within the Borders of the Municipality	Column 12 Tons of other Material (not MSW) Recycled		
	Residential Lbs/Person/Yr	Combined Residential & NonRes Lbs/Person/Y	Column 2c Residential Tons	Combined Residential & NonRes) Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Residential Tons	Combined Res & NonRes Tons	Res & NonRes Lbs/Person/Yr	Res & NonRes Tons		in 2014  DOL	necycleu
mostly non-residential															
CANTERBURY	118.72	150.04	302.49	382.29	0	89.86	37.54	509.69	8.40	2,186.92	858.29	61.15	5096	544	
CANTON	189.15	220.13	979.49	1139.92	839.00	88.03	51.15	2,118.10	255.12	4,465.76	862.37	14.19	10357	3,534	
CHAPLIN	222.23	222.23	252.90	252.90	0	15.31	5.75	273.96	0.00	821.66	722.02	1.43	2276	337	
CHESHIRE	191.08	382.02	2784.98	5567.95	214.18	7.99	0	5,790.12	283.27	16,418.20	1,126.46	87.25	29150	16,128	
CHESTER	168.72	335.07	366.37	727.60	0	0	0.75	728.35	27.78	1,218.54	561.15	3.62	4343	2,118	
CLINTON	152.27	297.16	1003.48	1958.27	131.50	89.52	33.62	2,212.91	177.97	5,369.43	814.78	14.03	13180	4,066	315.81
COLCHESTER	191.40	216.30	1551.27	1753.13	0	0	0	1,753.13	0	7,493.71	924.58	361.44	16210	3,746	
COLEBROOK	260.40	260.40	189.70	189.70	0	26.70	53.38	269.78	7.11	603.83	828.87	2.30	1457	*	
COLUMBIA	160.44	216.99	437.99	592.39	348.00	40.08	35.96	1,016.43	0.00	1,255.04	459.72	25.86	5460	1,037	
CORNWALL	205.47	205.47	145.06	145.06	0	42.12	7.32	194.50	37.47	494.98	701.10	7.23	1412	434	
COVENTRY	218.09	277.87	1353.38	1724.31	506.00	1.32	36.99	2,268.62	128.75	4,494.49	724.28	27.42	12411	1,446	
CROMWELL	160.56	307.32	1138.21	2178.59	450.00	162.31	35.82	2,826.72	0.00	7,954.49	1,122.09	442.59	14178	7,131	
DANBURY	95.80	221.32	4008.30	9260.46	6,199.52	0	104.77	15,564.75	54.26	58,415.06	1,396.09	995.59	83684	44,208	1,361.10
DARIEN – Haulers probably taking MSW directly out-of-state –but not reporting that tonnage to town nor to DEEP	0.00	99.01	0.00	1055.89	8,055.90	234.17	90.24	9,436.20	38.11	4,993.83	468.24	46.26	21330	8,093	768.69
DEEP RIVER	186.86	197.30	428.75	452.70	2,250.00	0	45.35	2,748.05	38.11	3,927.85	1,711.85	0.00	4589	1,552	34.00
DERBY – Where are the BCP???	0.24	22.66	1.54	145.01	0	0	0	145.01	0	8,576.30	1,339.94	0.00	12801	4,894	
DURHAM MIDDLEFIELD	160.69	182.50	946.93	1,075.48	1,328.69	196.26	92.08	2,692.51	106.53	5,792.70	982.98	281.22	11,786	4,063	0
EAST GRANBY	184.85	229.21	481.71	597.31	192.80	66.14	14.01	870.26	0.00	3,575.35	1,371.97	34.64	5212	3,843	
EAST HADDAM  - Where are the BCP???	0.00	20.12	0.00	92.00	285.00	99.29	46.45	522.74	0.00	3,151.10	688.99	48.54	9147	1,456	
EAST HAMPTON	147.42	204.68	951.76	1321.41	468.75	53.73	30.97	1,874.86	0.00	6,088.17	943.03	212.06	12912	1,872	15.00

Column 1 CT City or Town	Column 2a Residential Lbs/Person/Yr	Column 2b Combined Residential & NonRes Lbs/Person/Y	ECP) RECYCLE ity Reports Sub- EP)  Column 2c Residential Tons	Column 2d Combined Residential & NonRes) Tons	BCP) Based M Recycling Rep to the CTDEEI Column 3 ORGANICS RECYCLED Muni Program Combined Residential & NonRes Tons	Column 4 SCRAP METAL RECYCLED Muni Program Combined Residential & NonRes Tons	Column 5 OTHER RECYCLED Muni Program  Combined Residential & NonRes Tons	Column 6 Total MSW RECYCLED Sum of Columns 2d thru 5  Combined Residential & NonRes Tons	Column 7 Home Composted & Grasscycled Estimate Based on (AMRRs)  Residential Tons	Colum MSW DISPOSED on Permitted SW Submitted to  Combined Res & NonRes Tons	Res & NonRes	Column 9 Oversized MSW DISPOSED  Combined Res & NonRes Tons	Column 10  Residential Population July 2013 (DPH)	Column 11  # of People Working within the Borders of the Municipality in 2014 DOL	Column 12 Tons of other Material (not MSW) Recycled
EAST HARTFORD	134.54	268.54	3444.08	6874.45	8,439.75	483.68	68.13	15,866.01	0.00	27,867.47	1,088.59	216.65	51199	29,624	
EAST HAVEN	1.21	103.55	17.58	1507.78	3,650.00	0	11.57	5,169.35	1,493.88	21,089.20	1,448.38	0.37	29121	6,438	
EAST LYME	242.70	311.11	2298.02	2945.74	234.00	93.50	86.59	3,359.83	274.07	10,560.07	1,115.28	121.73	18937	5,562	
EAST WINDSOR	149.06	234.62	850.07	1338.02	55.65	0	14.99	1,408.66	0.00	7,795.74	1,366.95	5.42	11406	7,090	22.50
EASTFORD EASTON	164.46	292.24	142.75	253.66	0	32.48	26.75	312.89	10.01	367.00	422.81	0.00	1736	610	60
ELLINGTON	0.00	191.52	0.00	729.29	142.50	6 22	5.41	734.70	0.00	2,578.90	677.23	0.00	7616	947	174.13
ENFIELD	177.32 139.83	201.61 295.07	1399.58 3128.55	1591.28 6601.99	2,428.20	6.32 144.13	55.01 80.39	1,795.11 9,254.71	0.00 137.60	5,643.10 34,524.11	714.95 1,543.05	12.41 0	15786 44748	3,486 19,044	174.13
ESSEX	216.56	330.72	718.21	1096.83	920.00	44.50	44.06	2,105.39	86.16	34,324.11	1,132.44	31.27	6633	3,745	
FAIRFIELD	35.34	184.41	1075.25	5611.03	20,704.45	346.81	263.08	26,925.37	0.00	34,915.20	1,147.49	11.97	60855	25,184	
FARMINGTON	191.48	306.99	2452.13	3931.41	2,419.75	9.29	14.00	6,374.45	47.16	15,908.03	1,242.18	625.4	25613	30,654	
FRANKLIN	0.00	155.10	0.00	154.09	70.11	65.68	5.97	295.85	0.00	1,523.19	1,533.16	190.53	1987	958	
GLASTONBURY	209.24	276.41	3637.37	4805.06	0	0	0	4,805.06	0	19,248.55	1,107.26	174.71	34768	16,477	
GOSHEN	214.06	214.06	315.21	315.21	0	7.71	1.13	324.05	72.35	1,320.81	896.98	18.16	2945	393	
GRANBY	262.16	298.42	1484.24	1689.51	602.01	132.03	96.55	2,520.10	364.34	5,666.47	1,000.88	13.66	11323	2,400	33.01
GREENWICH	11.60	435.37	361.97	13582.56	17,749.14	546.74	384.19	32,262.63	0.97	41,135.86	1,318.54	19.47	62396	35,036	3,927.77
GRISWOLD	67.93	132.86	406.17	794.41	0	44.96	26.75	866.12	2.91	4,358.69	728.94	132.27	11959	1,328	
GROTON	130.39	242.63	2619.30	4873.86	3,665.00	878.06	411.36	9,828.28	302.97	25,983.88	1,293.50	128.71	40176	25,693	
GUILFORD MADISON	180.68	243.62	3,678.17	4,959.34	2,074.44	147.98	141.57	7,323.33	113.05	21,740.37	1,067.96	76.81	40,714	12,092	0
HADDAM	140.05	148.67	585.60	621.66	120.00	133.28	42.00	916.94	0.00	2,954.65	706.60	80.72	8363	1,396	
HAMDEN	36.58	194.83	1126.73	6001.59	7,273.00	79.53	154.78	13,508.90	638.31	26,495.52	860.15	43.11	61607	20,456	
HAMPTON SCOTLAND	162.91	168.75	290.55	300.96	0	0	0	0	0	882.72	494.94	6.5	3,567	277	
HARTFORD	81.37	273.79	5086.24	17114.34	3,200.00	142.80	592.71	21,049.85	0.32	89,779.84	1,436.28	1,214.75	125017	112,096	
HARTLAND	109.89	111.00	117.09	118.27	10.22	0.04	9.19	127.50	0.00	662.59	621.86	0.00	2131	114	2.22
HARWINTON	201.56	190.60	563.67	533.00	18.33	10.51	23.27	138.78	418.92	2,016.71	721.16	6.07	5593	586	6.60
HEBRON KENT	189.14	194.11	906.75	930.58 410.30	47.00 0	79.00	59.50	1,116.08	0.00 62.99	3,226.54	673.04	41.26 1.42	9588	1,856	
KILLINGLY	209.22 77.78	279.21 455.10	307.45 670.18	3921.38	0	18.50 33.48	9.46 44.30	438.26 3,999.16	41.99	720.61 12,544.97	490.38 1,455.92	1.42	2939 17233	1,292 8,743	
KILLINGLY	161.38	161.38	523.68	523.68	0	224.00	44.30	793.88	0.00	2,095.23	1,455.92	15.89	6490	716	
LEBANON	122.26	161.70	447.41	591.73	152.49	45.94	31.42	821.58	0.00	2,493.27	681.31	393.92	7319	1,348	130.64
LEDYARD-	161.85	163.08	1221.45	1230.78	687.50	83.50	39.66	2,041.44	220.61	13,715.40	1,817.33	625.35	15094	10,549	130.04

Column 1 CT City or Town	BOTTLES, CA Mostly on Pern	Colum ANS, PAPER (E nitted SW Facili CTDE	BCP) RECYCLEI ty Reports Subi		BCP) Based N	/ RECYCLED <sup>2</sup> // Mostly on Annu- forts (AMRRs or Column 4 SCRAP METAL RECYCLED Muni Program	al Municipal	Column 6 Total MSW RECYCLED Sum of Columns 2d thru 5	Column 7 Home Composted & Grasscycled Estimate Based on (AMRRs)	Colun MSW DISPOSED on Permitted SW Submitted to	<sup>3</sup> (Based Mostly Facility Reports	Column 9 Oversized MSW DISPOSED	Residential Population July 2013 (DPH)	Column 11  # of People Working within the Borders of the	Column 12 Tons of other Material (not MSW)
	Column 2a Residential Lbs/Person/Yr	Column 2b Combined Residential & NonRes Lbs/Person/Y	Column 2c Residential Tons	Column 2d Combined Residential & NonRes) Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Residential Tons	Combined Res & NonRes Tons	Res & NonRes Lbs/Person/Yr	Combined Res & NonRes Tons		Municipality in 2014 <u>DOL</u>	Recycled
includes Mashantucket Pequot tonnage (8,079 tons)															
LISBON	0.00	173.00	0.00	376.11	0	56.39	10.68	443.18	0.00	3,674.68	1,690.29	74.14	4348	1,747	
LITCHFIELD	149.73	315.72	623.86	1315.46	2,372.50	69.89	21.96	3,779.81	456.17	5,395.85	1,295.06	20.86	8333	3,567	445.26
LYME	247.76	254.06	297.43	305.00	87.00	22.11	29.29	443.40	99.48	759.58	632.72	0.90	2401	219	
MADISON GUILFORD	180.68	243.62	3,678.17	4,959.34	2,074.44	147.98	141.57	7,323.33	113.05	21,740.37	1,067.96	76.81	40,714	12,092	0
MANCHESTER	147.44	427.14	4291.45	12432.22	8,605.00	244.02	105.31	21,386.55	132.43	34,252.85	1,176.85	190.82	58211	27,606	
MANSFIELD	105.74	162.51	1362.65	2094.22	40.00	66.55	70.40	2,271.17	109.82	9,247.27	717.57	31.79	25774	11,460	
MARLBOROUGH	221.75	221.78	713.03	713.12	5.91	110.83	41.73	871.59	0.00	2,622.85	815.69	35.29	6431	1,218	
MERIDEN	87.38	240.44	2641.31	7268.12	3,534.00	73.77	47.44	10,923.33	342.38	30,014.47	992.94	1,187.47	60456	21,646	
MIDDLEBURY	226.03	273.55	855.62	1035.52	363.30	89.18	44.37	1,532.37	0.00	2,644.09	698.48	3.57	7571	3,802	
MIDDLEFIELD DURHAM	160.69	182.50	946.93	1,075.48	1,328.69	196.26	92.08	2,692.51	106.53	5,792.70	982.98	281.22	11,786	4,063	0
MIDDLETOWN	68.17	220.17	1613.23	5210.75	7,671.03	7.38	117.03	13,006.19	465.12	34,278.71	1,448.41	2.23	47333	27,225	
MILFORD	0.43	286.85	11.35	7621.07	0	0	0	7,621.07	0	28,573.98	1,075.48	122.54	53137	28,304	
MONROE	0.23	179.12	2.25	1776.35	474.00	32.47	31.19	2,314.01	0.00	6,117.16	616.84	162.78	19834	5,609	
MONTVILLE High tonnage may be due to casino MSW	152.28	309.54	1500.99	3050.99	0	0	0	3,050.99	0	23,219.43	2,355.75	739.26	19713	13,214	
MORRIS	159.58	159.58	187.11	187.11	0	25.00	0	212.11	30.04	843.23	719.17	2.93	2345	451	
NAUGATUCK	4.45	269.82	70.52	4277.67	748.47	82.50	74.48	5,183.12	1,219.76	15,562.96	981.67	6.23	31707	7,713	
NEW BRITAIN	116.66	213.60	4254.44	7789.71	1,205.84	132.24	69.63	9,197.42	2,022.50	43,798.75	1,200.97	410.27	72939	25,154	
NEW CANAAN	1.39	139.75	14.02	1411.08	8,655.42	246.67	84.17	10,397.34	0.00	8,982.00	889.57	29.51	20194	6,462	
NEW FAIRFIELD	107.88	137.03	762.96	969.18	78.00	41.89	29.40	1,118.47	0.97	5,077.06	717.86	3.00	14145	1,591	222.55
NEW HARTFORD BARKHAMSTED WINCHESTER	166.10	205.44	1,797.52	2,223.32	506.25	354.61	105.81	3,189.99	347.55	11,370.05	1,050.64	156.17	21,644	5,360	226.67
NEW HAVEN	0.12	287.49	8.14	18781.49	1,864.56	43.83	59.72	20,749.60	2,393.10	86,762.04	1,328.06	149.61	130660	80,581	
NEW LONDON	95.49	236.12	1315.12	3251.95	503.04	88.01	23.36	3,866.36	49.10	20,100.60	1,459.47	175.69	27545	13,830	
NEW MILFORD	124.73	219.84	1731.74	3052.18	1,252.46	262.16	113.00	4,679.80	0.32	15,987.45	1,151.54	168.03	27767	8,334	21.40

Column 1 CT City or Town	BOTTLES, Company of the Mostly on Permany of the Mostly		BCP) RECYCLE ty Reports Sub		BCP) Based N	/ RECYCLED <sup>2</sup> //ostly on Annuorts (AMRRS)  Column 4 SCRAP METAL RECYCLED Muni Program  Combined Residential & NonRes Tons	al Municipal	Column 6 Total MSW RECYCLED Sum of Columns 2d thru 5  Combined Residential & NonRes Tons	Column 7 Home Composted & Grasscycled Estimate Based on (AMRRs)  Residential Tons	Colum MSW DISPOSED on Permitted SW Submitted to	<sup>3</sup> (Based Mostly Facility Reports	Column 9 Oversized MSW DISPOSED  Combined Res & NonRes Tons	Column 10  Residential Population July 2013 (DPH)	Column 11  # of People Working within the Borders of the Municipality in 2014 DOL	Column 12 Tons of other Material (not MSW) Recycled
NEWINGTON	164.01	816.18	2522.10	12551.28	4,532.00	145.69	79.55	17,308.52	121.13	21,666.33	1,408.92	366.20	30756	17,604	
NEWTOWN	142.07	329.22	1997.07	4627.71	355.00	343.12	120.75	5,446.58	32.30	14,834.20	1,055.33	130.53	28113	8,449	
NORFOLK	199.70	199.70	167.55	167.55	0	36.42	12.07	216.04	43.93	795.95	948.69	2.94	1678	364	
NORTH BRANFORD	181.01	480.96	1299.01	3451.59	0	9.00	16.01	3,476.60	180.88	4,104.60	571.95	0.00	14353	4,369	
NORTH CANAAN	127.09	137.95	205.95	223.55	0	0	0	223.55	0	2,422.86	1,495.13	20.59	3241	1,920	
NORTH HAVEN	0.00	239.29	0.00	2864.20	4,979.00	21.59	88.52	7,953.31	621.74	15,665.14	1,308.75	183.69	23939	17,841	
NORTH STONINGTON	141.24	147.75	373.65	390.86	100.00	69.15	32.40	592.41	21.32	2,579.15	974.92	21.17	5291	1,563	
NORWALK	0.00	250.04	0.00	10973.79	3,676.46	426.40	291.64	15,368.29	781.34	95,057.94	2,165.92	7.49	87776	45,063	3,659.94
NORWICH	107.19	410.16	2162.35	8274.34	1,180.00	0	65.43	9,519.77	461.66	23,474.17	1,163.61	1,426.42	40347	16,972	
OLD LYME	321.15	375.21	1219.10	1424.28	413.30	96.18	28.42	1,962.18	0.00	3,346.44	881.57	40.55	7592	2,643	
OLD SAYBROOK	218.52	432.05	1119.48	2213.38	0	159.04	79.70	2,452.12	220.35	9,400.63	1,834.99	86.9	10246	6,188	
ORANGE OXFORD	0.16	583.60	1.09	4071.51	1,915.93 0	117.71	140.04	6,245.19	0.00	11,514.78	1,650.51	1.72	13953	9,906	
PLAINFIELD	133.39 54.84	154.13 170.01	858.64 417.57	992.12 1294.47	196.28	82.64 51.73	27.34 25.51	1,102.10 1,567.99	153.39 0.00	5,010.27 9,304.08	778.35 1,221.97	1.73 222.23	12874 15228	3,272 4,324	
PLAINVILLE	145.17	288.87	1293.50	2573.87	24.33	16.54	26.53	2,641.27	613.86	11,130.82	1,249.25	16.95	17820	9,524	
PLYMOUTH	144.23	174.65	868.76	1052.02	150.00	167.22	84.50	1,453.74	101.75	4,933.78	819.09	17.42	12047	2,182	
POMFRET	69.83	147.78	146.57	310.18	0	23.24	10.74	344.16	8.40	892.79	425.34	36.72	4198	1,587	
PORTLAND	181.37	374.27	857.50	1769.54	0	143.10	42.90	1,955.54	107.88	3,851.47	814.61	154.08	9456	2,258	
PRESTON	100.03	138.89	237.83	330.22	0	65.43	20.66	416.31	30.04	2,076.60	873.44	841.40	4755	790	
PROSPECT	100.09	122.61	483.98	592.86	1,390.00	218.46	66.63	2,267.95	76.55	4,199.57	868.49	0.00	9671	2,024	
PUTNAM	64.32	270.77	304.38	1281.43	0	0	0	1,281.43	0.00	5,497.66	1,161.68	61.48	9465	6,328	
REDDING	104.95	119.63	488.63	557.00	700.00	35.85	48.11	1,340.96	274.04	2,044.44	439.10	3.48	9312	1,799	
RIDGEFIELD	210.39	298.35	2647.17	3753.79	55.76	142.30	81.88	4,033.73	544.13	16,611.99	1,320.30	11.92	25164	10,574	
ROCKY HILL	6.27	203.43	62.47	2025.64	2,892.50	245.34	1,746.93	6,910.41	78.17	12,074.78	1,212.63	690.08	19915	16,217	
ROXBURY	192.39	195.54	214.42	217.93	0	43.89	15.67	277.49	42.31	885.04	794.11	3.96	2229	328	
SALEM SALISBURY	112.13	145.30	235.53	305.21	204.24	172.71	77 21	305.21	175.07	1,201.75	572.13	103.05	4201	615	
SHARON	0	358.32	0.0	1,153.06	204.24	172.71	77.31	1,607.32	175.07	3,230.97	1,004.03	33.73	6,436	3,155	
SCOTLAND HAMPTON	162.91	168.75	290.55	300.96	0	0	0	0	0	882.72	494.94	6.5	3,567	277	
SEYMOUR	1.38	149.07	11.44	1235.13	0	0	0	1,235.13	0	8,680.47	1,047.67	0.00	16571	4,470	

Column 1 CT City or Town	BOTTLES, Company of the Mostly on Perm  Column 2a Residential Lbs/Person/Yr		BCP) RECYCLEI ty Reports Subi		BCP) Based N	A RECYCLED <sup>2</sup> Mostly on Annuorts (AMRRS Column 4 SCRAP METAL RECYCLED Muni Program Combined Residential & NonRes Tons	ial Municipal	Column 6 Total MSW RECYCLED Sum of Columns 2d thru 5  Combined Residential & NonRes Tons	Column 7 Home Composted & Grasscycled Estimate Based on (AMRRs)  Residential Tons	Colum MSW DISPOSED on Permitted SW Submitted to  Combined Res & NonRes Tons	<sup>3</sup> (Based Mostly Facility Reports	Column 9 Oversized MSW DISPOSED  Combined Res & NonRes Tons	Column 10  Residential Population July 2013 (DPH)	Column 11  # of People Working within the Borders of the Municipality in 2014 DOL	Column 12 Tons of other Material (not MSW) Recycled
SHARON	0	358.32	0.0	1,153.06	204.24	172.71	77.31	1,607.32	175.07	3,230.97	1,004.03	33.73	6,436	3,155	
SALISBURY SHELTON	0.86	260.36	17.65	5337.31	36.00	406.28	290.59	6,070.18	0.00	24,474.14	1,193.89	23.67	40999	22,639	
SHERMAN	163.59	172.89	300.19	317.25	61.82	1.24	0.12	380.43	1.29			4.75	3670	446	
SIMSBURY	232.51	348.43	2769.63	4150.50	155.50	107.03	33.58		31.65	923.46	503.25 1,224.36			9,559	
SOMERS	0.00	195.39	0.00	1105.89	345.00	107.03	33.58	4,446.61 1,594.75	0.00	14,584.61 4,276.29	755.53	107.53	23824 11320	2,599	-
SOUTH	196.28	552.35	2536.58	7138.03	4,557.30	29.00	80.44	11,804.77	57.82	15,593.02	1,206.61	129.25	25846	12,662	
WINDSOR	130.20	332.33	2330.30	7130.03	.,557.55	23.00	50.44	11,004.77	37.02	15,555.02	1,200.01	123.23	23040	12,002	
SOUTHBURY	88.15	217.89	875.32	2163.58	1,141.00	124.47	68.59	3,497.64	0.00	9,834.52	990.43	23.99	19859	8,198	
SOUTHINGTON	144.83	206.05	3161.82	4498.09	0	0	0	4,498.09	0	31,862.55	1,459.54	181.64	43661	15,431	
SPRAGUE	76.85	200.48	114.47	298.62	0	22.58	19.99	341.19	0.32	993.60	667.07	81.23	2979	585	
STAFFORD	122.84	557.58	732.64	3325.39	540.70	140.97	55.04	4,062.10	19.38	5,023.71	842.34	3.45	11928	3,504	
STAMFORD	167.86	465.10	10613.75	29407.09	18,575.33	666.46	312.59	48,961.47	0.00	114,977.51	1,818.46	0	126456	75,654	90.00
STERLING VOLUNTOWN	96.55	178.06	308.51	569.00	0	56.33	17.99	643.32	0	1,875.73	586.99	314.39	6,391	695	
STONINGTON	145.48	238.19	1348.66	2208.11	5,900.00	191.94	148.12	8,448.17	1,058.12	11,512.62	1,241.86	102.10	18541	7,278	
STRATFORD	1.09	336.35	28.41	8763.92	6,578.00	406.00	154.56	15,902.48	154.39	34,342.31	1,318.02	86.04	52112	25,691	
SUFFIELD	180.16	212.29	1422.17	1675.79	147.63	23.46	44.70	1,891.58	0.00	9,043.56	1,145.62	0	15788	4,321	
THOMASTON	113.09	212.23	438.85	823.57	0	17.71	15.98	857.26	261.63	3,776.94	973.31	110.00	7761	2,861	
THOMPSON TOLLAND	0.50	87.11	2.33	407.40	0	15.60	42.59	449.99	74.29	3,661.33	782.84	494.91	9354	1,594	
TORRINGTON	234.13 165.23	280.25 280.14	1746.02 2942.03	2089.93 4987.98	257.10	15.69 43.97	44.10 78.04	2,149.72 5,367.09	0.00 1,133.94	6,067.41 24,232.84	813.60 1,360.97	8.49	14915 35611	3,764 16,074	
TRUMBULL	146.77	304.62	2683.83	5570.15	9,472.00	619.00	133.21	15,794.36	230.62	16,970.45	928.08	111.63 37.47	36571	15,212	
UNION	182.45	182.45	77.36	77.36	9,472.00	15.74	9.37	102.47	0.00	202.08	476.60	0.00	848	13,212	
VERNON	167.16	262.97	2437.32	3834.19	1,087.50	180.97	79.89	5,182.55	0.00	15,435.16	1,058.62	73.67	29161	8,568	
VOLUNTOWN STERLING	96.55	178.06	308.51	569.00	0	56.33	17.99	643.32	0	1,875.73	586.99	314.39	6,391	695	
WALLINGFORD	91.41	342.10	2063.14	7721.35	3,891.00	207.80	121.08	11,941.23	793.80	34,237.98	1,516.93	564.99	45141	27,903	97.1
WARREN	151.75	151.75	109.79	109.79	0	7.45	75.95	193.19	59.04	540.64	747.26	0.00	1447	*	
WASHINGTON	237.63	361.23	418.94	636.84	0	65.62	12.59	715.05	503.54	2,247.22	1,274.66	7.07	3526	1,589	
WATERBURY	46.54	143.79	2552.24	7885.38	0	54.00	0	7,939.38	985.73	79,688.96	1,453.17	165.91	109676	38,871	
WATERFORD	233.90	307.38	2281.11	2997.72	321.49	132.49	67.85	3,519.55	184.76	11,333.46	1,162.11	174.74	19505	11,212	
WATERTOWN	165.62	242.01	1840.72	2689.65	0	0	0	2,689.65	0	10,784.65	970.37	42.26	22228	8,168	

Column 1 CT City or Town	BOTTLES, C Mostly on Pern	Colun ANS, PAPER (I nitted SW Facili CTDE	BCP) RECYCLE ity Reports Sub	•	BCP) Based M Recycling Rep to the CTDEEI Column 3 ORGANICS RECYCLED Muni	V RECYCLED <sup>2</sup> Mostly on Annuports (AMRRs P Column 4 SCRAP METAL RECYCLED Muni	Column 5 OTHER RECYCLED Muni	Column 6 Total MSW RECYCLED Sum of Columns 2d thru 5	Column 7 Home Composted & Grasscycled Estimate Based on (AMRRs)	Colun MSW DISPOSED on Permitted SW Submitted to	<sup>3</sup> (Based Mostly Facility Reports	Column 9 Oversized MSW DISPOSED	Column 10  Residential Population July 2013 (DPH)	Column 11  # of People Working within the Borders of	Column 12 Tons of other Material
	Column 2a Residential Lbs/Person/Yr	Column 2b Combined Residential & NonRes Lbs/Person/Y	Column 2c Residential Tons	Column 2d Combined Residential & NonRes) Tons	Combined Residential & NonRes Tons	Program  Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Combined Residential & NonRes Tons	Residential Tons	Combined Res & NonRes Tons	Res & NonRes Lbs/Person/Yr	Combined Res & NonRes Tons		the Municipality in 2014 <u>DOL</u>	(not MSW) Recycled
WEST HARTFORD	221.34	335.30	7013.20	10624.10	10,859.25	173.94	301.48	21,958.77	60.72	36,524.91	1,152.73	481.73	63371	28,632	
WEST HAVEN	3.83	168.16	105.31	4628.27	0	0	0	4,628.27	0	23,429.87	851.28	29.74	55046	15,153	
WESTBROOK	139.52	195.37	481.75	674.62	2,318.85	52.73	28.97	3,075.17	76.87	5,290.54	1,532.16	1.20	6906	3,927	
WESTON	0.12	117.36	0.61	608.61	0	108.23	46.80	763.64	0.00	4,455.00	859.04	11.69	10372	1,270	
WESTPORT	0.00	283.20	0.00	3866.75	1,330.79	296.07	91.57	5,585.18	0.00	14,529.36	1,064.11	138.54	27308	15,503	586.13
WETHERSFIELD	211.53	253.64	2803.87	3361.99	3,000.00	108.56	76.67	6,547.22	400.94	14,066.87	1,061.25	375.4	26510	9,740	
WILLINGTON	169.46	213.68	505.42	637.30	0	154.95	25.58	817.83	0.00	1,429.78	479.39	1.30	5965	1,524	
WILTON	1.21	121.44	11.30	1132.88	0	110.47	45.75	1,289.10	0.00	6,519.84	698.92	0.00	18657	12,239	196.74
WINCHESTER BARKHAMSTED NEW HARTFORD	166.10	205.44	1,797.52	2,223.32	506.25	354.61	105.81	3,189.99	347.55	11,370.05	1,050.64	156.17	21,644	5,360	226.67
WINDHAM	124.56	426.18	1570.22	5372.59	226.77	56.73	50.03	5,706.12	0.00	14,296.20	1,134.03	89.59	25213	10,755	
WINDSOR	132.13	611.12	1925.32	8904.57	940.95	189.45	84.66	10,119.63	0	14,908.82	1,023.18	103.33	29142	23,991	
WINDSOR LOCKS	165.40	398.71	1039.80	2506.47	569.20	0.17	46.50	3,122.34	0.00	13,492.86	2,146.32	64.18	12573	12,585	
WOLCOTT – Where are the BCP???	0.26	23.41	2.21	195.76	0	0	0	195.76	0	8,345.16	997.93	11.56	16725	3,010	
WOODBRIDGE	0.00	164.07	0.00	734.63	330.00	106.85	43.62	1,215.10	0.00	2,643.00	590.28	7.73	8955	3,914	
WOODBURY	166.93	207.23	819.81	1017.70	541.25	123.43	53.81	1,736.19	0.00	4,893.76	996.49	12.77	9822	2,044	
WOODSTOCK	139.93	211.30	552.50	834.31	0	0	0.95	835.26	21.32	2,732.98	692.16	18.37	7897	1,843	

## QUALIFIERS FOR DATA USED TO CALCULATE MSW RECYCLED & DISPOSED for EACH CONNECTICUT MUNICIPALITY

#### **Recycling Data Qualifiers:**

- FY2014 MSW recycling stats for each municipality are based on (1) Information reported by CT permitted solid waste recycling processing facilities and recycling transfer stations in reports submitted to the CT DEEP (tonnages of bottles, cans, cartons, and paper received from each CT municipality) and (2) the Annual Municipal Recycling Reports (AMRR) submitted to the CT DEEP (for tonnages of other material collected for recycling mostly in town operated programs).
- Recycling tonnages presented above for each municipality represent a subset of total material recycled from within the borders of each municipality. That subset includes tons of bottles, cans, cartons, and paper reported received by CT recycling facilities and recycling transfer stations from CT municipalities and tons of other types of recyclables recycled through town operated or town sponsored programs. Types of recyclables generally **not included** (there are exceptions) in the data presented above for each CT municipality include:
  - Recyclables (other than bottles, cans, cartons, and paper) not collected through a town operated program.
  - Tonnages of bottles, cans, cartons, and paper not passing through a CT permitted solid waste facility and not reported by the collector or municipality (AMRR) e.g. backhauled by national retail chains to out-of-state distribution centers for recycling.
  - Recycling tonnages attributed to individual municipalities generally do not include glass, metal, and plastic recycled through the CT bottle deposit law infrastructure.
  - Tonnages attributed to individual municipalities do not include: most of the commercially recycled scrap metal, automobile scrap metal, scrap metal taken by residents directly to a scrap metal dealer (i.e. not recycled through the municipal scrap metal program); waste oil recycled by businesses or garages; organics not recycled through a municipal program; storage batteries recycled through the Connecticut storage battery deposit infrastructure.
- ◆The tonnage of leaves recorded as being recycled (composted) at municipal sites is usually estimated on the basis of cubic yards. The reliability of the conversion factor may be affected by the moisture content of the leaves.
- ♦ An attempt is made to estimate tonnages of yard and food waste home composted and tonnages of grass "grasscycled" based on municipal demographics and descriptions of municipal programs to promote home composting and grasscycling.
- ◆Tonnage of disaster debris, landclearing, and demolition material reported recycled (by the annual municipal recycling reports) is presented in the column "Other Waste Recycled" and is not included in the MSW stats.
- ◆ Tonnages of MSW reported as "recycled" from each municipality reflect the amount of MSW recyclables reported *collected for recycling* from within the borders of that municipality, and *not the amount actually used to make products*. Contamination, out-throws, residue, etc. may be disposed both at the recycling processing facility and at the mill or manufacturing facility using the material to make a product. That residue is not subtracted from the tonnages reported recycled by each municipality.

In contrast, *statewide* MSW recycling stats are based on the amount of bottles, cans, cartons, and paper *marketed* by the recycling processing facilities (not the amount collected or reported received by those processing facilities).

In the future, in order to achieve greater transparency about the tonnage of recyclable material actually used to make a product, an attempt will be made to adjust town-by-town recycling stats to account for the quality of the material collected and the quality of the processing system used to prepare the recyclables to market specifications. This anticipated change in the paradigm for reporting recycling stats is contingent upon the availability of more comprehensive and accurate data re the quality of the material received by end users such as manufacturers and mills.

### **MSW Disposal Data Qualifiers**

◆ FY2014 MSW disposal stats for each municipality are based on data submitted to the CTDEEP by CT permitted solid waste facilities and by CT municipalities; their accuracy is *contingent upon the accuracy of reporting* by both the reporting SW facility and the haulers delivering the MSW to the facilities.

- ◆ Data regarding MSW hauled directly out-of-state for disposal (without passing through a CT permitted SW facility) is generally not reported to the CT DEEP (haulers are required to report such tonnages to the CT DEEP and to municipalities pursuant to CGS Sec. 22a-220a(j), but it appears that compliance with this requirement is poor). As a result of such data gaps, disposal rates for some municipalities as presented in the table above are actually higher and their recycling percentages are actually lower than indicated by the reported data.
- ♦ Tonnages of MSW disposed do not always include the tonnage of oversized- MSW (furniture, carpets, etc.) which is sometimes reported to the CTDEEP as "bulky waste" or "construction and demolition" waste (C&D waste) instead of being reported as MSW.
- ♦ MSW disposal figures represent combined residential and non-residential disposal tonnages.

In the future, it is anticipated that the CTDEEP will require MSW disposal tonnages to be identified and reported as either residential or non-residential in order to better track the effectiveness and success of strategies and programs that address reduction of residential waste vs non-residential waste.

### **Comparing Town Recycling Rates**

Please keep in mind that it is somewhat misleading to judge the success of a municipality's recycling program by arbitrarily comparing one town's recycling rate or disposal rate to that of another town:

- 1) Recycling potential varies from municipality to municipality and can be affected by demographics.
  - For example historically towns or cities with higher per capita incomes tended to generate more newspapers and magazines which contributed to higher potential recycling rates (this probably has changed as the media used to deliver news has changed).
  - Recycling in multi-family dwellings can present greater challenges than recycling in single family residences. That being said, effective recycling strategies do exist for multi-family buildings.
  - The number and type of businesses, institutions, etc. in a municipality will affect the municipality's MSW stats e.g. the per capita MSW disposal rate, generation rate, and recycling rate.
- 2) Obtaining accurate MSW disposal and recycling tonnages by town or city of origin is challenging. The origin of MSW disposed or recycled as reported by Connecticut SW facilities in the reports they submit to the CTDEEP is not always accurate or complete. Accuracy of such data is contingent upon accurate reporting by both the hauler and the solid waste facility.

The above qualifiers need to be considered when trying to compare one municipality's recycling percentage or rate to that of another municipality.