

# Estimates of Connecticut Municipal Solid Waste Generated (MSW), Disposed, and Recycled FY2008

The following information is based on data reported to the Connecticut Department of Environmental Protection (DEP) by Municipalities and by Connecticut Permitted Solid Waste Facilities i.e. Resource Recovery Facilities, Landfills, Recycling Facilities (including IPCs), and Transfer Stations. Recycling figures<sup>1</sup> and disposal figures generally do not include tonnage estimates for material not reported by the entities listed above.

In this report MSW disposed includes regular trash generated by both the residential and non-residential sectors. It does not include wastes such as construction and demolition wastes, industrial sludges, or land-clearing debris. MSW recycled includes: the [mandated recyclables](#) ; other organic material (e.g. food waste, yard waste brush and tree trimmings); other MSW recyclables e.g. plastic bottles, textiles, electronics, anti-freeze; boxboard, magazines, etc.; and material reported reused through municipal swap areas , **Questions?** E-mail [Judy Belaval](#) at the CT DEP Bureau of MM&CA or call at (860) 424-3237

[Figure 1](#) - Summary – Connecticut MSW Generated, Disposed, and Recycled FY2008

[Figure 2](#) - Summary - Types of Connecticut MSW Recycled FY2008

[Table 1](#) - Connecticut MSW – Additional Statistics FY2008

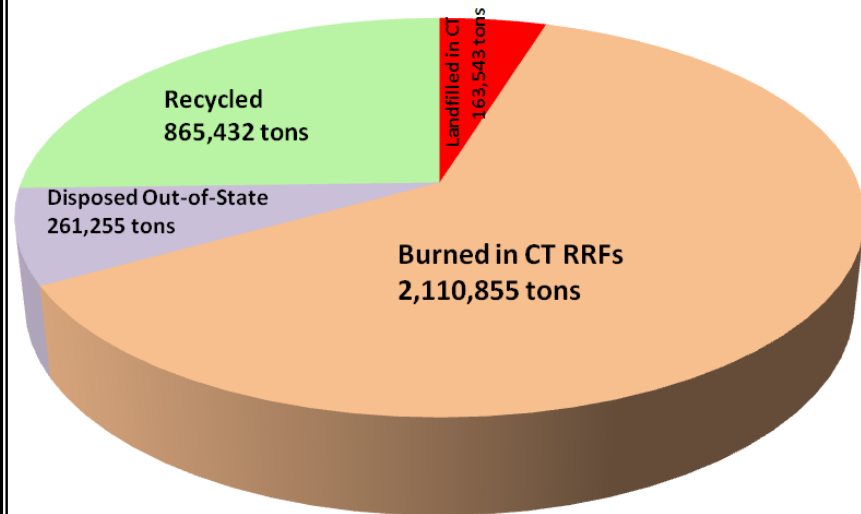
[Table 2](#) - Detail – Connecticut MSW Reported Recycled<sup>1</sup> by Material Type FY2008

[Figure 3](#) - Historic Summary - Pounds/Person/Year Connecticut MSW Estimated Disposed & Recycled FY1992 through FY2008

[Figure 4](#) - Historic Summary - Pounds/Person/Year and Percent Connecticut MSW Estimated Recycled FY1992 through FY2008

**Figure 1 - Summary – Connecticut (CT) MSW Generated, Disposed, and Recycled<sup>1</sup> FY2008**

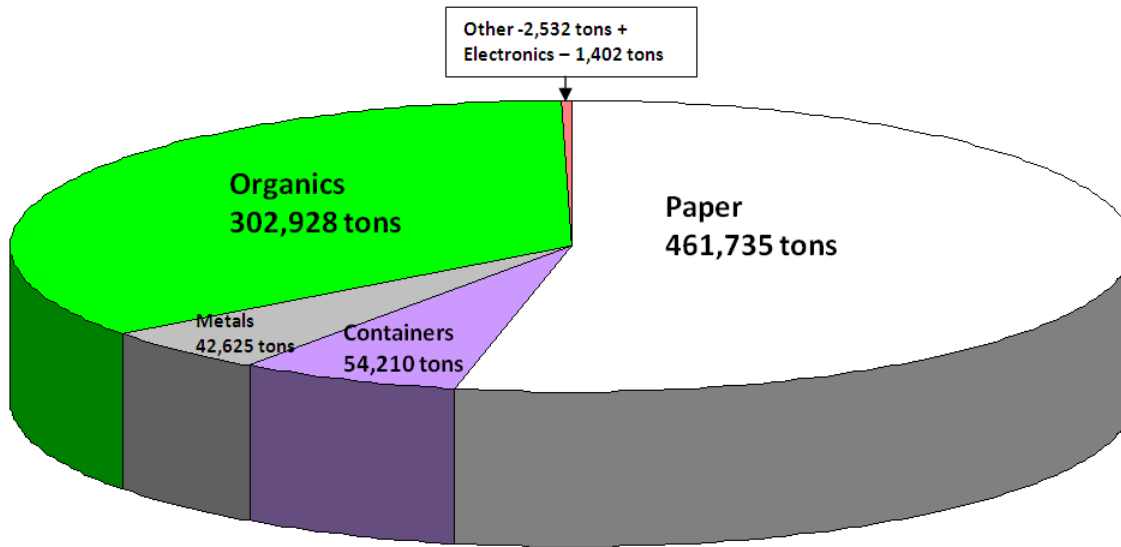
CT MSW Reported Recycled<sup>1</sup> and Disposed FY2008



Connecticut MSW	Tons FY2008	% of Total MSW Generated FY2008
<b>MSW Disposed in CT Landfills</b>	<b>163,542.87</b>	<b>4.81%</b>
<b>MSW Burned in CT RRF's</b>	<b>2,110,855.49</b>	<b>62.06%</b>
<ul style="list-style-type: none"> <li>• 544,709 tons of RRF ash was buried in LFs</li> <li>• 48,070 tons of metal recycled from RRF ash</li> <li>• 1,350,720,162 KWH net energy produced</li> </ul>		
<b>MSW Disposed OOS</b>	<b>261,254.79</b>	<b>7.68%</b>
<b>MSW Recycled<sup>1</sup></b>	<b>865,431.89</b>	<b>25.45%</b>
<b>MSW Generated</b>	<b>3,401,085.04</b>	
<b>Estimated Home Composted/Grasscycled</b>	<b>40,770.35</b>	
<b>MSW Reported Recycled + Estimated Home Composted, and Grasscycled</b>	<b>906,202.24</b>	<b>26.63%</b>
<b>Not included above: CT Tires to Exeter Energy RRF (Estimate)</b>	<b>22,640.48</b>	

<sup>1</sup> CT recycling tonnages presented above are conservative figures, since they **do not include**: (1) most of the glass, metal, and plastic recycled through the CT bottle deposit law infrastructure;(2) automobile scrap metal; (3) waste oil recycled by businesses or garages; (4) storage batteries recycled through the CT storage battery deposit infrastructure; (5) much of the commercially recycled electronics, scrap metal, etc. ; (6) material recycled by direct haul from generator to end market or to out-of-state destinations since these tonnages may not be represented in the reports submitted to the CT DEP. **Glass aggregate reported used as alternative landfill cover is not counted as recycled and is not included in the recycling tonnages presented above.**

Figure 2 - Summary - Types of Connecticut MSW Recycled FY2008



Type of MSW Material Reported Recycled <sup>1</sup>	Tons
Paper	461,734.82
Organics	302,927.54
Containers (bottles & cans)	54,209.75
Metals <sup>2</sup>	42,625.09 <sup>2</sup>
Other	2532.98
Electronics	1,401.71
Total	865,431.89
<sup>2</sup> Metal Recycled from RRF Ash – not included in the MSW metal listed above	48,070

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**Table 1 – Connecticut MSW – Additional Statistics FY2008**

FY2008 MSW Statistics	
<b>Tons Reported RECYCLED</b>	<b>865,431.89</b>
CT POPULATION beginning of the fiscal year <a href="#">CT Department of Public Health Population Estimates for July 1, 2007</a>	3,502,309
Average Tons/Person/Year (TPY) RECYCLED	0.2471
Average Pounds/Person/Year (PPY) MSW Recycled	494.21
Average Pounds/Person/Day (PPD) Recycled	1.35
<b>Tons Estimated Grasscycled and Home Composted</b>	<b>40,770.35</b>
Average Tons/Person/Year (TPY) Estimated Grasscycled and Home Composted	0.0116
Average Pounds/Person/Year (PPY) Grasscycled and Home Composted	23.28
<b>Tons Reported Disposed</b>	<b>2,535,653.15</b>
Average Tons/Person/Year (TPY) DISPOSED	0.7240
Average Pounds/Person/Day (PPD) DISPOSED	3.97
<b>Tons Calculated Generated (Tons Reported Disposed + Tons Reported Recycled)</b>	<b>3,401,085.04</b>
Average Tons/Person/Year (TPY) GENERATED	0.9711
Average Pounds/Person/Day (PPD) GENERATED	5.32
<b>SUMMARY</b>	
<b>Average % MSW RECYCLED</b>	<b>25.45%</b>
<b>Average % RECYCLED, HOME COMPOSTED, and GRASSCYCLED</b>	<b>26.63%</b>

**Table 2 - Detail – Connecticut MSW Reported Recycled<sup>1</sup> by Material Type FY2008**

Material Type	MSW Reported Recycled	Tons
CONTAINERS - BOTTLES & CANS – Most data based on marketed reports submitted by CT solid waste facilities permitted to process separated recyclables. Some municipal recycling report data also included.	ALUMINUM CANS	6,680.51
	ALUMINUM FOIL	373.88
	BOTTLES/CANS/PAPER MIX – 10.53 tons - SEE PAPER	0
	COMMINGLED CONTAINER	200.69
	FERROUS CANS	5,686.00
	GLASS – BOTTLE BILL	1,624.59
	GLASS – BROWN CULLET(AMBER)	622.58
	GLASS – CONTAINERS	5,542.03
	GLASS – FLINT CULLET	3,536.34
	GLASS – GREEN	2,587.52
	GLASS – MIXED AGGREGATE – Does not include tons reported used as landfill cover i.e. 15,167.55 tons	10,923.45
	METAL CONTAINERS	284.77
	PLASTIC - #3 - #7	15.93
	PLASTIC – BOTTLE BILL PET	773.64
	PLASTIC – CLEAR PET	1,431.35
	PLASTIC – MIXED 1 & 2	1,193.85
	PLASTIC – MIXED OR PIGMEN HDPE	3,569.49
	PLASTIC – MIXED OR PIGMENT PET	3,814.38
	PLASTIC – NATURAL HDPE	2,092.68
	PLASTIC – OTHER PLASTIC	1,938.49

Material Type	MSW Reported Recycled	Tons
	PLASTIC – POLYPROPYLENE	48.35
	PLASTIC FILM	12.35
	PLASTICS – MIXED PLASTICS	1,009.70
	JUICE BOXES/BEVERAGE CARTONS	249
ELECTRONICS - Data based on FY2008 Annual Municipal Recycling Reports	CELL PHONE	0.00
	COMPUTERS	1.57
	ELECTRONICS	1400.14
SCRAP METAL - Data based on FY2008 Annual Municipal Recycling Reports – Unless otherwise indicated.	PROPANE TANKS	35.50
	SCRAP METAL – Precombustion - based on CRRR MidCT RRF Reports	9,032.11
	SCRAP METAL –Reported by municipalities Subtracted 15% for residue estimate - 39,479.39 tons reported minus 5,921.91 (residue estimate) = 33,557.48 tons	33,557.48
ORGANICS - - Data based on FY2008 Annual Municipal Recycling Reports – Unless otherwise indicated.	BRUSH – YARD WASTE	51854.21
	CHRISTMAS TREES	51.25
	FOOD COMPOSTED	10.50
	GRASS	11,040.01
	LEAVES	162,055.58
	OIL – COOKING GREASE	0.80
	WOOD – (FURN,PALTS,LOGS,OTHER)	344.57
	WOOD CHIPS from YARD WASTE	5,840.40
	YARD WASTE – Additional – based on Hyponex Reports	33,543.47
	YARD WASTE – reported by municipal recycling reports	26,895.88
	YARD WASTE or FOOD WASTE – Additional –based on New Milford Farms Reports	11,290.87
PAPER - Most data based on marketed reports submitted by CT solid waste facilities permitted to process separated recyclables. Some municipal recycling report data also included.	BOXBOARD	3,072.21
	COATED BOOKSTOCK	1,373.94
	COMPUTER PAPER (GW-GROUNDWOOD)	239.92
	COMPUTER PAPER HG (CPO LASER)	330.10
	CORRUGATED	215,541.51
	KRAFT	17.99
	MAGAZINES	338.24
	NEWSPAPER	42,613.91
	NEWSPAPER - #6	7,308.84
	NEWSPAPER - #8	25,563.22
	OCC/OMG/ONP	19,822.37
	OFFICE – HIGH GRADE WHITE LED	501.57
	OFFICE - MIXED LEDGER	414.82
	OFFICE – PAPER	49,824.45
	OFFICE - SORTED MIXED	1,673.29
ONP/OCC	17,017.50	

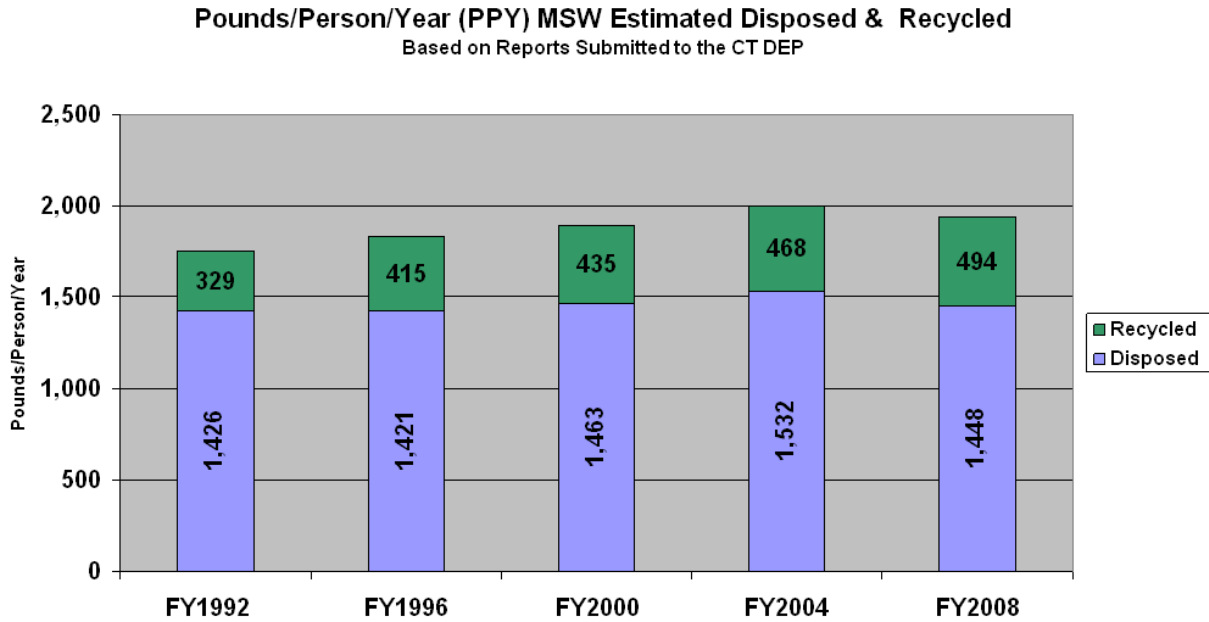
Material Type	MSW Reported Recycled	Tons
	ONP/OMG	18,547.08
	OTHER PAPER GRADE	2,836.32
	PAPER – MIXED	36,237.61
	PAPER - MIXED COMMERCIAL PAPER	4,070.78
	PAPER - MIXED RESIDENTIAL PAPER	7,504.75
	PHONE BOOKS	146.19
	PRINTER PAPER WASTE	6,738.21
	BOTTLES/CANS/PAPER – MIX	10.53
<b>OTHER - Data based on FY2008 Annual Municipal Recycling Reports</b>	ANTI-FREEZE	72.88
	BALLASTS	6.73
	BATTERIES (OTHER)	47.31
	CDs/DVDs	0.02
	FILM	13.52
	FLUORESCENT BULBS/LAMPS; HID'S; SPECIALTY LAMPS	37.78
	FREON	3.43
	HOUSEHOLD BATTERIES (ALKALINE)	3.45
	LASER TONER CARTRIDGES	1.11
	MATTRESSES –Although reported recycled – probably were disposed	13.96
	MERCURY	0.04
	NIKL - CADM BATTERIES	5.23
	OIL FILTERS	10.91
	OTHER - MSW RECYCLABLE	175.60
	PAINT – LATEX	19.71
	SNEAKERS	3.43
	STORAGE BATTERIES	249.71
	TIRES	97.33
	USED CLOTHES/GOODS	355.75
	USED FURNITURE	3.60
	WASTE OIL	1,399.13
<b>Tons Post-Combustion Metal Recycled from Ash Generated by CT RRFs. Ash is a “special waste”.</b>		48,070

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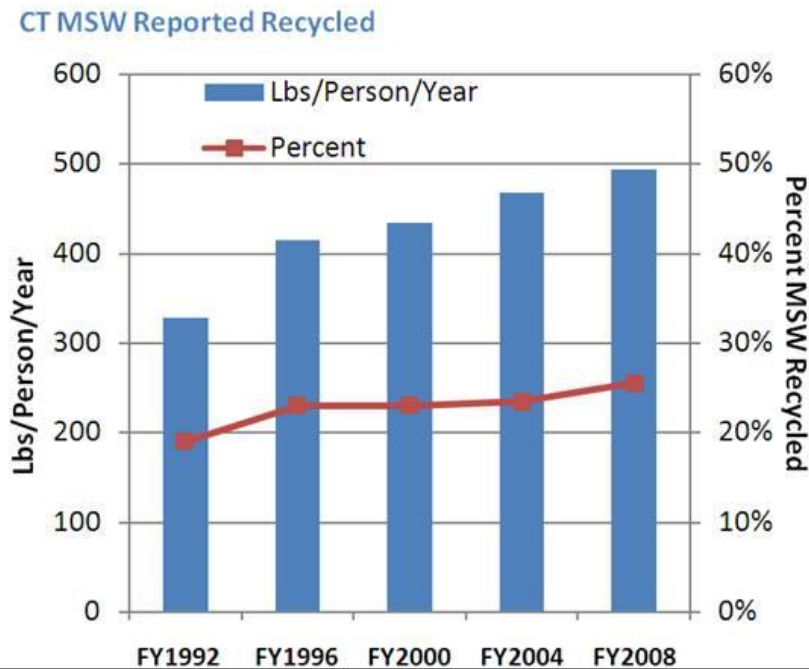
# Connecticut Municipal Solid Waste (MSW) Reported Disposed and Recycled<sup>1</sup> – Historic View

Connecticut mandatory recycling legislation was adopted in the late 1980's and became effective in 1991. It has been estimated that the CT MSW recycling rate before 1990 was probably between five and ten percent.

**Figure 3 – Historic Summary - Pounds/Person/Year Connecticut MSW Estimated Disposed & Recycled FY1992 through FY2008<sup>2</sup>**



**Figure 4 – Historic Summary - Pounds/Person/Year and Percent Connecticut MSW Estimated Recycled<sup>1</sup> FY1992 through FY2008<sup>2</sup>**



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<sup>2</sup> After FY2001 state-wide recycling tonnages were based on recycling facility marketing reports and municipal annual reports. Previous to FY2002 recycling tonnages were based on annual municipal recycling reports only.