

**Massachusetts Draft 2010-2020 Solid Waste Master Plan
ADDENDUM TO APPENDICES**

Waste Management Capacity Projections: 2008-2020

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Generation	12,599,579	12,473,584	12,348,848	12,472,336	12,597,060	12,723,030	12,850,260	12,978,763	13,108,551	13,239,636	13,372,033	13,505,753	13,640,810
Baseline Recycling	5,506,132	5,451,071	5,396,560	5,450,526	5,505,031	5,560,082	5,615,682	5,671,839	5,728,558	5,785,843	5,843,702	5,902,139	5,961,160
Increased Recycling	5,506,132	5,616,255	5,728,580	5,957,723	6,196,032	6,443,874	6,701,628	6,969,694	7,248,481	7,538,421	7,839,957	8,153,556	8,479,698
Non-MSW Other Diversion	546,995	541,525	536,110	541,471	546,886	552,354	557,878	563,457	569,091	574,782	580,530	586,335	592,199
Combustion Capacity	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033	3,228,033
Potential LF Capacity	1,737,929	1,933,262	1,933,262	1,989,533	1,886,933	1,599,653	1,276,957	908,265	908,265	907,954	907,954	907,954	600,154
In-state Capacity (baseline recycling)	11,019,089	11,153,891	11,093,965	11,209,562	11,166,882	10,940,122	10,678,550	10,371,594	10,433,947	10,496,612	10,560,218	10,624,461	10,381,545
In-state Capacity (increased recycling)	11,019,089	11,319,075	11,425,985	11,716,760	11,857,883	11,823,914	11,764,496	11,669,449	11,953,871	12,249,190	12,556,474	12,875,878	12,900,083
Net Disposal Export (baseline recycling)	1,580,490	1,319,692	1,254,882	1,262,774	1,430,177	1,782,909	2,171,711	2,607,169	2,674,603	2,743,024	2,811,814	2,881,292	3,259,265
Net Disposal Export (increased recycling)	1,580,490	1,154,508	922,863	755,576	739,176	899,117	1,085,764	1,309,314	1,154,680	990,447	815,558	629,875	740,727

Assumptions for Annual Percent Change:	2008-2010	2011-2020
Generation	-1.0%	1.0%
Baseline Recycling Tonnage	-1.0%	1.0%
Increased Recycling Tonnage	2.0%	4.0%
Non-MSW Other Diversion	-1.0%	1.0%

2008 figures reflect actual 2008 data.

Baseline recycling assumes recycling changes at the same rate as generation.

Non-MSW Other Diversion includes fines and residuals for landfill uses and non-MSW for fuel.

Combustion Capacity is projected to remain level from 2009 through 2020 based on 2008 tonnage.

Future landfill capacity is calculated to be 76% of total potential based on historical disposal patterns.

Net export is calculated by subtracting In-State Management Capacity from Generation.

In-State Management Capacity is the sum of Recycling, other Non-MSW Diversion, Combustion Capacity and Potential Landfill Capacity.

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¹ The landfill capacity projections reflect either facilities' actual permitted capacity or the total capacity for which they were designed (if the design capacity is larger than the permitted capacity, additional permits would be required before the non-permitted portion could be used). In some cases, landfills take in less than their permitted tonnage in a particular year, allowing their capacity to last beyond the date shown in these projections. MassDEP attempts to account for this factor by projecting only 76% of each landfill's projected capacity for future years. This proportion is based on historical capacity utilization rates at Massachusetts facilities. The waste management capacity projections are based on two different scenarios:

1) baseline recycling remains level with waste generation (i.e., the recycling rate remains the same), and

2) recycling tonnage increases 2% per year from 2008-2010 and 4% per year from 2011-2020 to reach the proposed disposal reduction goal by 2020.

Additional considerations in developing these waste management capacity projections were an expected slight decline in waste generation through 2010 (1 percent/year) and then slight increases between 2011-2020 (1 percent/year).