

March 4, 2011

# Saint Louis County Waste Management Program

Waste Inventory  
Update and Diversion  
Calculation

REDUCE • REUSE • RECYCLE  
**GO GREEN!**  
A SAINT LOUIS COUNTY HEALTH DEPARTMENT INITIATIVE

Saint Louis  
**COUNTY**  

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**HEALTH**

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## Background

- RW Beck report – Issued 2005:data for 2003
  - Tons generated (WG) = 1,904,671
  - Tons incinerated = 0
  - Tons banned = 198,714
  - Tons recycled = 278,900
  - Tons reduced = 95,234
  - Tons landfilled = 1,331,823 (calculated from above figures)
  - WDR = 30.1% (*Tons diverted / tons generated*)
  - Population = 1,013,123

# Waste Inventory Update

Waste Generation Adjustments				
	2003	2007	2008	2009
Population	1,008,956	993,690	992,331	992,408
Employment (St. Louis County)	516,148	502,704	490,271	470,073
Taxable Sales Receipts (TSR)	\$ 14,044,112,162	\$ 15,465,677,181	\$ 14,934,910,920	\$ 13,913,036,879
Consumer Price index	184	207	215	215
Residential waste generated (tons) *	538,428			
Commercial waste generated (tons) *	1,455,749			
<b>Total Waste Generated</b>	<b>1,994,176</b>			
* total waste generation is divided into 27% residential and 73% commercial (See Page 2 of this Appendix)				
Commercial Adjustment Factor (CAF) =		0.975601055	0.929340708	0.880194619
Residential Adjustment Factor (RAF) =		0.980235282	0.95643164	0.931896754
Adjusted Waste Generation (current year) =		1,948,016	1,867,856	1,783,101
residential adjusted		527,786	514,969	501,759
commercial adjusted		1,420,230	1,352,887	1,281,342
Economic adjustment factor		0.976852296	0.93665526	0.894154195
Adjusted Waste Generation Rate (current year) =		10.74	10.31	9.85

# Waste Inventory Update

<b>BANNED ITEMS (Yard Waste)</b>				
Year	2003	2007	2008	2009
Yard Waste	<b>158088</b>	<b>222,456</b>	<b>191,678</b>	<b>179,336</b>
ORMI		33,330	14,520	19,965
St. Louis Composting		75,792	66,420	70,991
Rt. 66		1,010	1,826	2,298
Mo-Pass		62,864	73,749	55,409
Ladue		18,812	9,803	8,833
Fred Weber		30,648	25,360	21,840

# Waste Inventory Update

	<b>BANNED ITEMS</b>			
Year	2003	2007	2008	2009
Population	1,008,956	993,690	992,331	992,408
Economic factor (from App. DOH-1)		0.976852296	0.93665526	0.894154195
<b>Total banned (tons)</b>	<b>198,714</b>	<b>260,409</b>	<b>228,021</b>	<b>214,032</b>
appliances	7,598	7,280	6,971	6,655
lead-acid batteries	6,687	6,407	6,135	5,857
tires	10,131	9,707	9,295	8,874
waste oil	16,210	14,560	13,942	13,310
Yard Waste (from App. DOH-3)	158,088	222,456	191,678	179,336

# Waste Inventory Update

RECYCLED ITEMS				
	Year	2007	2008	2009
Total recycled (tons)				
Licensed Recycling Centers				
	Total	361,847	449,860	451,098
Other Recycling Centers				
	Total	110,700	121,071	79,186
HHW		549	520	646
Special Waste ADC		47,833	36,525	14,340
<b>GRAND TOTAL (tons)</b>		<b>520,928</b>	<b>607,976</b>	<b>545,270</b>

# Waste Inventory Update & Diversion Rate Calculation

<b>WASTE INVENTORY &amp; WASTE DIVERSION RATE CALCULATION</b>				
Year	2003	2007	2008	2009
Waste Generation Rate (WGR)	10.83	10.74	10.31	9.85
Population	1,008,956	993,690	992,331	992,408
<b>Tons generated (WG)</b>	<b>1,994,176</b>	<b>1,948,016</b>	<b>1,867,856</b>	<b>1,783,101</b>
Tons incinerated	0	0	0	0
Tons banned	198,714	260,409	228,021	214,032
Tons Recycled	278,900	520,928	607,976	545,270
Tons reduced at source	99,709	97,401	93,393	89,155
<b>Total tons diverted</b>	<b>577,323</b>	<b>878,738</b>	<b>929,389</b>	<b>848,458</b>
Tons landfilled	1,416,853	1,069,277	938,467	934,643
<b>Waste Diversion Rate (WDR)</b>	<b>29.0%</b>	<b>45.1%</b>	<b>49.8%</b>	<b>47.6%</b>

## Contact Information

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- [www.recyclesaintlouis.com](http://www.recyclesaintlouis.com)
  - Under Residential Recycling, “Waste Diversion Rate Progress Report, condensed version”