



WasteWise

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Waste Diversion Requirements

Section 2 (e): promote pollution prevention and eliminate waste by:

- (i) Source reduce waste
- (ii) 50% diversion of waste by FY 2015
- (iii) 50% diversion of C&D debris by FY 2015
- (iv) Reduce paper use & buy at least 30% postconsumer content paper
- (vi) Increase diversion of compostable/organic materials





What is WasteWise?

- WasteWise is a free, voluntary EPA partnership program.
- WasteWise helps organizations eliminate costly waste through waste reduction practices —benefiting the organization’s bottom line and the environment.
- WasteWise is flexible.





Who Can Join WasteWise?

- Any type of organization can join.
- Currently, there are more than 2,250 partners in WasteWise from more than 50 sectors.
- 150 Federal Members
- Every U.S. Postal Facility





The WasteWise Approach

Three pronged approach to waste reduction:

- Waste prevention
- Recycling
- Purchasing and/or manufacturing recycled content products





Benefits of Waste Reduction

- Cost savings
 - Avoided disposal costs
 - Purchasing savings
 - Raw materials cost savings for manufacturers
 - Recycling revenue
- Environmental Benefits
 - Waste reduction benefits
 - Climate benefits (greenhouse gas emission reductions)
- Good PR





What Does WasteWise Offer?

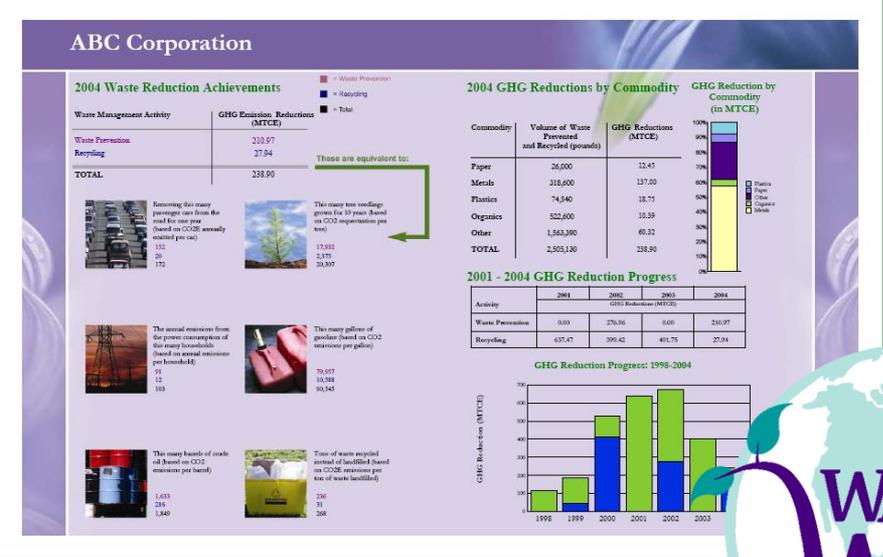
- Free Technical Assistance
 - Individual attention
 - Helpline
 - Resources and Publications
- Online Waste Tracking Software
- EPA Recognition
 - Awards
 - Case studies, articles, and Web site success story features
- Sector Benchmarking
- Climate Profile





Individualized Climate Profile

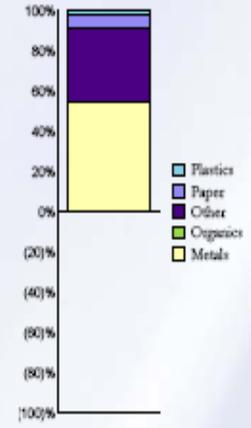
- Calculates greenhouse gas emissions reductions resulting from waste prevention and recycling activities.
- Translates these into real-life equivalents.
- Valuable tool for communicating environmental benefits to management, employees, customers, and other stakeholders.



ABC Company example to be created/inserted

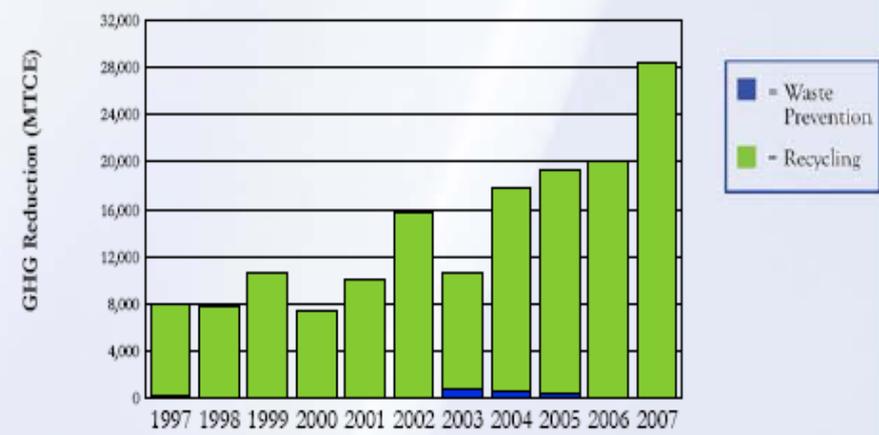
2007 GHG Emission Reductions by Commodity

Commodity	Amount of Waste Prevented and Recycled (pounds)	GHG Reductions (MTCE)
Other	254,980,706	10,440.25
Metals	24,249,096	15,594.22
Paper	4,208,340	1,753.77
Plastics	2,629,492	552.71
Organics	705,980	-1.97
TOTAL	286,773,614	28,338.98



2004 - 2007 GHG Emission Reduction Progress

Activity	2004	2005	2006	2007
	GHG Reductions (MTCE)			
Waste Prevention	563.86	491.55	103.92	77.57
Recycling	17,290.58	18,873.94	20,061.57	28,261.41
Total	17,854.44	19,365.49	20,165.49	28,338.98



Waste Management Activity	GHG Emission Reductions (MTCE)
Waste Prevention	77.57
Recycling	28,261.41
TOTAL	28,338.98

These are equivalent to:



The annual GHG emissions from this many passenger vehicles

52
18,979
19,031



This many acres of standing forest (based on CO2 sequestration per tree)

2
723
725



The annual emissions from the energy consumption of this many households (based on annual emissions per household)

25
9,146
9,171



This many gallons of gasoline (based on CO2 emissions per gallon)

32,282
11,762,223
11,794,505



This number of propane cylinders used for home barbecues (based on CO2 emissions per pound of propane)

11,850
4,317,717
4,329,567



Tons of waste recycled instead of landfilled (based on CO2E emissions per ton of waste landfilled)

98
35,733
35,831

■ = Waste Prevention ■ = Recycling ■ = Total



WasteWise Re-TRAC

- Track activities and input data all year long
- Interactive tool—not just for end-of-year reporting

WasteWise Re-TRAC interface showing search filters and a table of waste reduction activities.

Material	Activity	Amount	Units	Total in Tons	Goals for Upcoming Year
Corrugated	Waste Prevention		Pounds		
	Recycling	34.00	Pounds	0.02	
	Subtotal			0.02	
Mixed Paper	Waste Prevention		Pounds		
	Recycling	2.00	Tons	2.00	
	Subtotal			2.00	
Newspaper	Waste Prevention		Pounds		
	Recycling	5.00	Pounds		
	Subtotal				



WasteWise Re-TRAC

- Manage data for multiple locations
 - Ex: ACME Paper can report activities in their VA, MD, and DC offices
 - Need to have at least one location
 - Reports can aggregate the data for all locations

WasteWise - A Partner Tracking and Reporting Tool.

Home | Contact Info | Organization Info | Users | Annual Assessment | Reports | Logout

You are logged in as Michael Scott

ACME Paper

Create Report | View Reports

Year: 2008

Manage Users

View ACME Paper Status for 2008

Instructions

For first time users, click on the "Add Member Reporting Location" link, use the dropdown menu to select the location's State, and give that location a name (Facility 1). Once a location is created, you may enter the reporting data for the selected year. You may create as many locations as necessary. Once you have entered data, you may click on the green icons to revise or enter new data.

Add Member Reporting Location: Click this link to add a new reporting locations. If you operate at more than one site you can add as many locations as you need.

Edit Organization Information | Manage/Edit Users | Finalize and Submit Data for 2008

Legend

- ✓ Indicates Data Exists for 2008
- ⓘ Indicates No Data for 2008
- ✎ Click to Edit the Location Name

Reporting Locations	Municipal Solid Waste Disposed	Waste Prevention and Recycling	Buy/Manufacture Recycled Products	Cost Savings / Revenue	Comments
1. DC Offices	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ
2. MD Offices	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ
VA	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ



WasteWise Re-TRAC

- List of materials matches
 - Synchronized with WARM
 - Ability to add “Other” when material is not in the list

WasteWise Re-TRAC interface showing a list of materials and a dropdown menu. The dropdown menu is highlighted with a red circle.

All Materials	Activity	Amount	Units	Total in Tons	Goals for Upcoming Year
Corrugated	Waste Prevention				
	Recycling				
Subtotal					
Mixed Paper	Waste Prevention				
	Recycling				
Subtotal					
Newspaper	Waste Prevention				
	Recycling				
Subtotal					
Total Tons					

Select a Material: Aggregate



WasteWise Re-TRAC

- Manage contact information
 - Re-TRAC stores contact information like:
 - Name
 - Email
 - Address
 - Can have multiple contacts
 - Contacts can be limited to specific locations

Edit User - WasteWise - Mozilla Firefox

http://wwwtest.re-trac.com/UserController.pm

Edit User

[Change Password](#) | [Manage/Edit Users](#)

User Information correctly updated

* **Email/Username**
Your email address will be your Username.

Title

Salutation

* **First Name**

Middle Initial

* **Last Name**

* **Address**

Address 2

* **City**

* **State**

* **Zip**

* **Phone Number**

Alt Phone Number

Fax Number

WasteWise
EPA
WASTE WISE
Preserving Resources,
Preventing Waste
WasteWise@icfi.com
1-800-EPA-WISE

Now: Rain, 70 °F | Tue: 88 °F | Wed: 86 °F | Thu: 85 °F



WasteWise Re-TRAC

- Access to Re-TRAC reports with real-time data
 - Re-TRAC offers several valuable reports
 - Climate Profile available immediately after EPA reviews annual data
- Access to historical data for comparisons
 - Previous reporting data will be loaded into Re-TRAC

The screenshot shows the WasteWise Re-TRAC web application interface. At the top, there is a navigation bar with links for Home, Contact Info, Organization Info, Users, Baseline Data, Annual Data, Reports, and Logout. Below the navigation bar, the user is logged in as 'Test Account'. The main content area is titled 'Standard Reports' and includes an 'Instructions' section. The 'Instructions' section states: 'Select the reporting locations and report pieces you would like to view and click the "Generate" button. Once a report is generated, it at any time from the "Previously Generated Reports" page.' Below the instructions, there are sections for 'Locations' and 'Modules'. The 'Locations' section has a dropdown menu with 'ABC' selected and a 'Select all' button. The 'Modules' section has a dropdown menu with 'Annual Assessment Data Total Annual Municipal Solid Waste Disposed' and 'Annual Assessment Data Waste Reduction Activities' selected, and a 'Select all' button. To the right of the 'Modules' section, there are dropdown menus for 'Starting year for historical report' (set to 'Baseline') and 'Generate report for year' (set to '2008'). Below these, there is a dropdown menu for 'Output Format' (set to 'Html'). At the bottom of the main content area, there is a section titled 'You may select or deselect pieces of the report here:' with a 'Generate Report' button, a 'Reset' button, and links for 'Check all', 'Uncheck all', and 'Show disabled pieces'. Below this, there are two sections of checkboxes: 'Location Trends Over Time' and 'Location Lists for the Current Year'. The 'Location Trends Over Time' section has checkboxes for 'Total Tons Generated', 'Total Tons Generated, Grouped by Quarters', 'Individual Material Tonnage by Year', 'Individual Material Tonnage Percentage Change Over Previous Years', 'Individual Material Tonnage as a Percentage of Total by Year', 'Module Tonnage by Source by Year', and 'Total Tons Generated as % of Whole By Waste Stream'. The 'Location Lists for the Current Year' section has a 'Tonnage Data' sub-section with checkboxes for 'Location List by Total Tons Generated, Ordered Alphabetically', 'Location List by Total Tons Generated, Ordered by Rank', 'Location List by Total Tons from Each Waste Stream, Ordered Alphabetically', and 'Location List by Total Tons from Each Waste Stream, Ordered by Rank'. On the left side of the interface, there is a sidebar with a 'WasteWise' logo and the text 'Preserving Resources, Preventing Waste' and 'WasteWise@icfi.com 1-800-EPA-WISE'. At the bottom of the interface, there is a status bar with the text 'Internet'.

1. Location Trends Over Time

Figure 1.1 - Total Tons Generated, Location 1 Data, 2004 to 2008

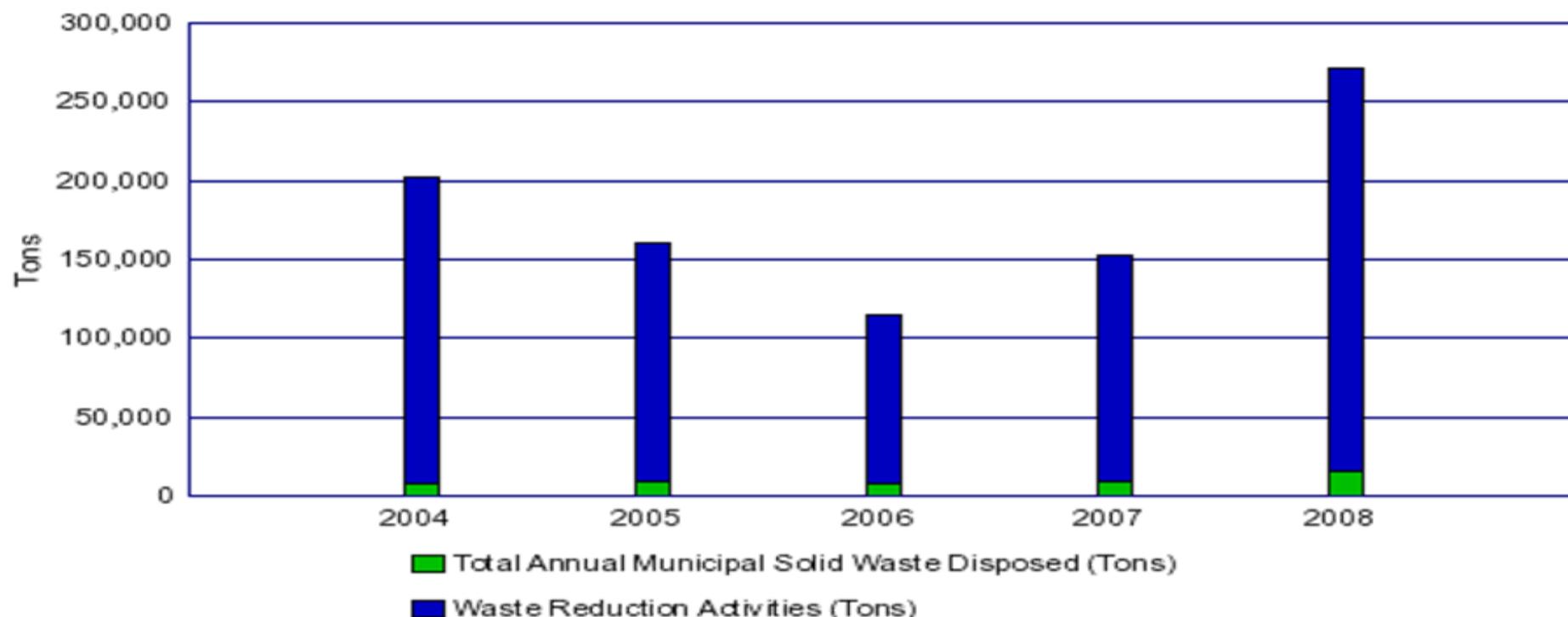


Table 1.1 - Total Tons Generated, Location 1 Data, 2004 to 2008

Year	Total Annual Municipal Solid Waste Disposed (Tons)	Waste Reduction Activities (Tons)	TOTAL (Tons)
2004	8,365.170	193,795.335	202,160.505
2005	9,111.800	151,579.351	160,691.151
2006	8,356.000	106,225.867	114,581.867
2007	8,962.900	142,993.967	151,956.867
2008	15,234.290	255,944.725	271,179.015

Table 3.19 - Waste Reduction Activities Module Tonnages by Name, Sector, and Source, Ordered Alphabetically, 2008

Material Name	Annual Assessment Data Waste Prevention	Annual Assessment Data Recycling	Annual Assessment Data Composting	Total
Batteries	143.120			143.120
Computers	22.373		I	22.373
Concrete/Cement		126,074.010		126,074.010
Construction/Demo Debris		12.380		12.380
Corrugated (Cardboard Box)		1,741.770		1,741.770
Electronic Media		297.060		297.060
Electronics		2,221.490		2,221.490
Glass		37.340		37.340
Metal (Type Unknown)	9.901			9.901
Mixed Office Paper		1,081.570		1,081.570
Motor Oil	24,596.240			24,596.240
Other Ferrous Metals		5,074.590		5,074.590
Other Non-Ferrous Metals		1,130.710		1,130.710
Paint	1.890			1.890
Plastic Code #1, PET		926.760		926.760
Porcelain	24.910			24.910
Sand/Soil/Dirt		66,429.240		66,429.240
Wood	6.601	16,403.550		16,410.151
Yard Trimmings			711.680	711.680
Totals	24,875.155	230,357.890	711.680	255,944.725

Table 1.9 - Total Tons Generated as % of Whole By Waste Stream, Location 1 Data, 2004 to 2008

Waste Stream	2004 (Tons)	2004 (%)	2005 (Tons)	2005 (%)	2006 (Tons)	2006 (%)	2007 (Tons)	2007 (%)	2008 (Tons)
Waste Reduction Activities	193,795.3 35	95.9	151,579.3 51	94.3	106,225.8 67	92.7	142,993.9 67	94.1	255,944.7 25
Total Annual Municipal Solid Waste Disposed	8,365.170	4.1	9,111.800	5.7	8,356.000	7.3	8,962.900	5.9	15,234.29 0
Total	202,160.5 05	100. 0	160,691.1 51	100. 0	114,581.8 67	100. 0	151,956.8 67	100. 0	271,179.0 15

Waste Stream	2008 (%)
Waste Reduction Activities	94.4
Total Annual Municipal Solid Waste Disposed	5.6
Total	100.0

Figure 1.3 - Total Tons Generated as % of Whole By Waste Stream - 2008

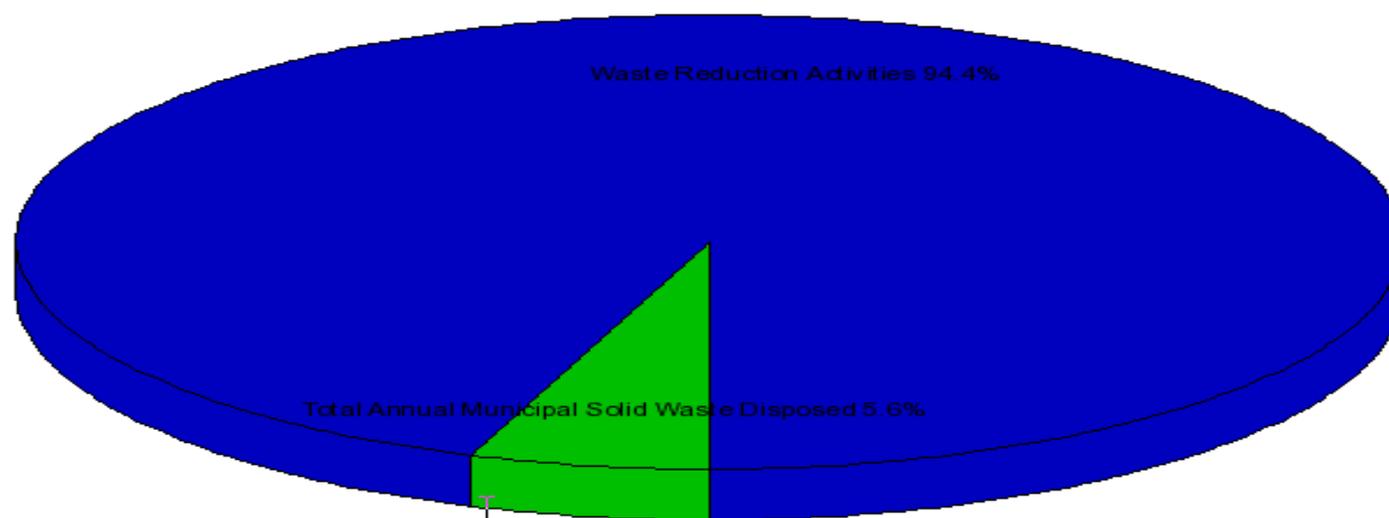


Table 2.11 - Location List by Total Tons from Each Waste Stream, 2008

Location	Total Annual Municipal Solid Waste Disposed	Waste Reduction Activities	Total
1	73,550.000	35,017.490	108,567.490
2	41,398.000	41,185.510	82,583.510
3	49,367.000	29,081.004	78,448.004
4	40,107.000	35,900.000	76,007.000
5	49,766.000	25,936.210	75,702.210
6	34,313.000	26,420.000	60,733.000
7	28,275.000	29,118.000	57,393.000
8	35,155.000	18,721.460	53,876.460
9	11,528.000	38,762.000	50,290.000
Total	363,459.000	280,141.674	643,600.674

Table 1.1 - EPA Equivalent Factors for Emission saved, 2004 to 2008

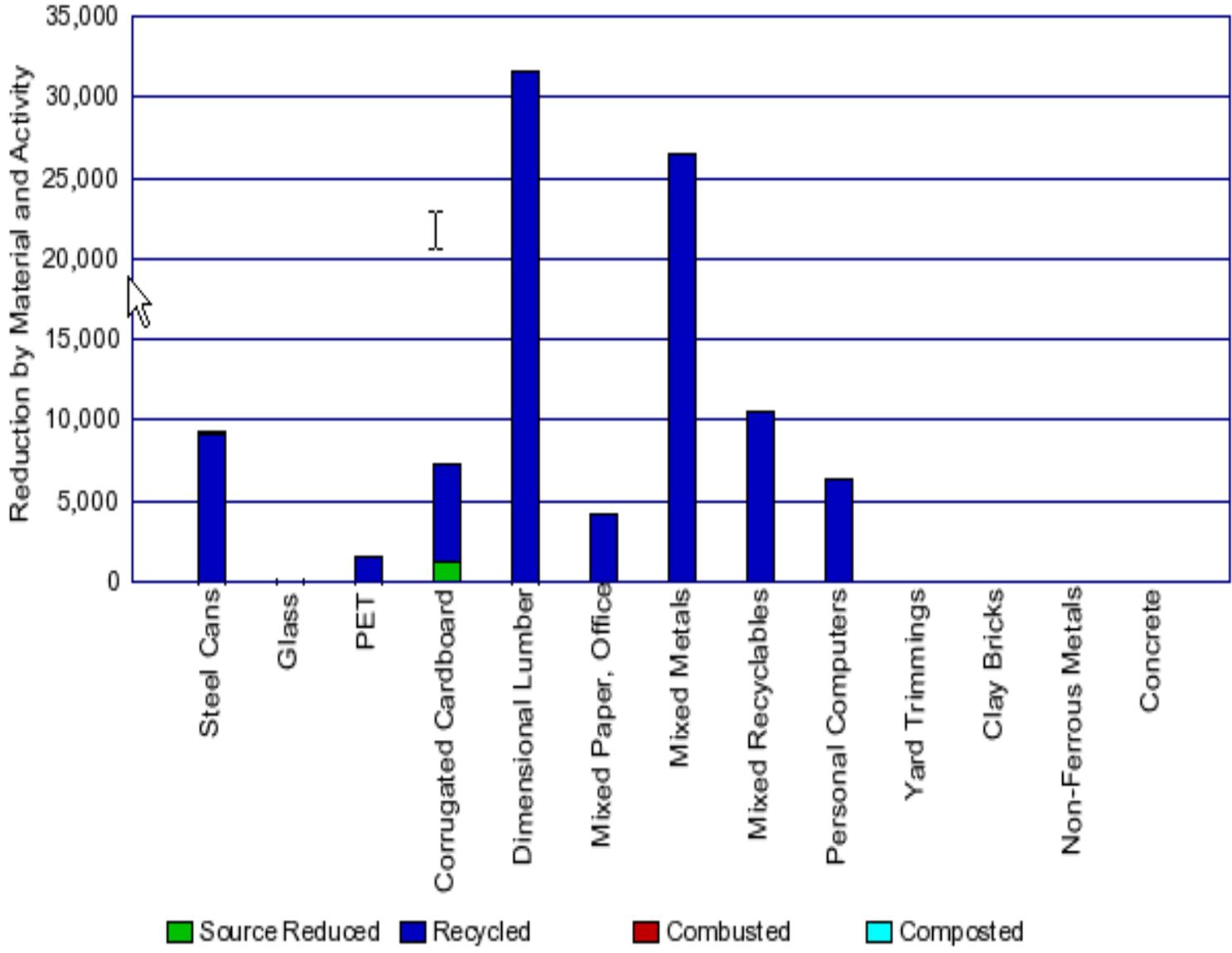
Emission saved	2004	2005	2006	2007	2008
The annual GHG emissions from this many passenger vehicles					
Source Reduced	337	306	7		233
Recycled	9,955	10,162	10,622	17,542	17,554
Composted	-207	-379		-10	-20
This many gallons of gasoline (based on CO2 emissions per gallon)					
Source Reduced	209,098	189,489	4,245		144,269
Recycled	6,169,719	6,297,678	6,583,262	10,871,884	10,879,164
Composted	-128,462	-234,671		-5,994	-12,117
Barrels of oil					
Source Reduced	4,284	3,882	87		2,956
Recycled	126,407	129,029	134,880	222,747	222,896
Composted	-2,632	-4,808		-123	-248

- The numbers in each of the rows above are not cumulative.

Table 1.4 - Net GHG Reductions By Material Type, All Selected Modules, Location 1 Data, 2008

EPA Material	Ton	Metric Ton Carbon Equivalent	Metric Ton Carbon Dioxide Equivalent
Corrugated Cardboard			
- Recycled	1,741.770	1,637.264	5,991.689
Total	1,741.770	1,637.264	5,991.689
Dimensional Lumber			
- Source Reduced	6.601	2.706	9.901
- Recycled	16,403.550	8,693.881	31,658.852
Total	16,410.151	8,696.588	31,668.752
Mixed Paper, Office			
- Recycled	1,081.570	1,124.833	4,109.966
Total	1,081.570	1,124.833	4,109.966
Personal Computers			
- Source Reduced	22.373	341.867	1,253.140
Total	22.373	341.867	1,253.140
Yard Trimmings			
- Composted	711.680	-28.467	-106.752
Total	711.680	-28.467	-106.752
Clay Bricks			
- Source Reduced	24.910	2.242	7.971
Total	24.910	2.242	7.971
Concrete			
- Recycled	126,086.390	1,260.864	6,304.320
Total	126,086.390	1,260.864	6,304.320
Total	162,255.685	26,088.873	97,009.691

Figure 1.1 - Net GHG Reductions By Material Type, All Selected Modules, Location 1 Data, 2008





More info on WasteWise

- www.epa.gov/wastewise
- (800) EPA-WISE (372-9473)
- WasteWise@icfi.com



Other EPA Programs

- **GreenScapes** – Yard/Green Waste – www.epa.gov/greenscapes
- **Plug-In To eCycling** – old electronics (TVs, computers, and cell phones) – www.epa.gov/plugin
- **Federal Electronics Challenge** - purchasing electronics, reducing impacts of use, and managing obsolete electronics – www.federalelectronicschallenge.net
- **Comprehensive Procurement Guidelines (CPG)** – procurement of products made with recycled-content materials – www.epa.gov/cpg



Questions?

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