



# Introduction to WasteWise

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## 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.





# The WasteWise Approach

Three pronged approach to waste reduction:

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





## Who Can Join WasteWise?

- Any type of organization
  - Can join as an Endorser, Partner or Both.
- Partners – make decisions that affect the amount of waste from their facilities
- Endorsers – encourage potential partners to join WasteWise
- Currently, there are more than 3,400 members in WasteWise from more than 50 sectors





## **MA WasteWise Partners and Endorsers**

- Partners
  - 40 Active Massachusetts partners
  - 136 Massachusetts partners in total
- Endorsers
  - 42 Massachusetts Endorsers including MA DEP



# Massachusetts: Making a Difference

- Annual Data from MA partners in 2009
  - 96,531 tons of waste prevented
- Genzyme Corporation named 2010 Large Business Partner of the Year Honorable Mention



# Partner Program Commitments

- Submit baseline data within 60 days of registering
- Report on waste management activities annually
- Commit to:
  - Prevent waste (i.e. source reduction)
  - Recycle
  - Purchase or manufacture recycled content products





# What Does WasteWise Offer?

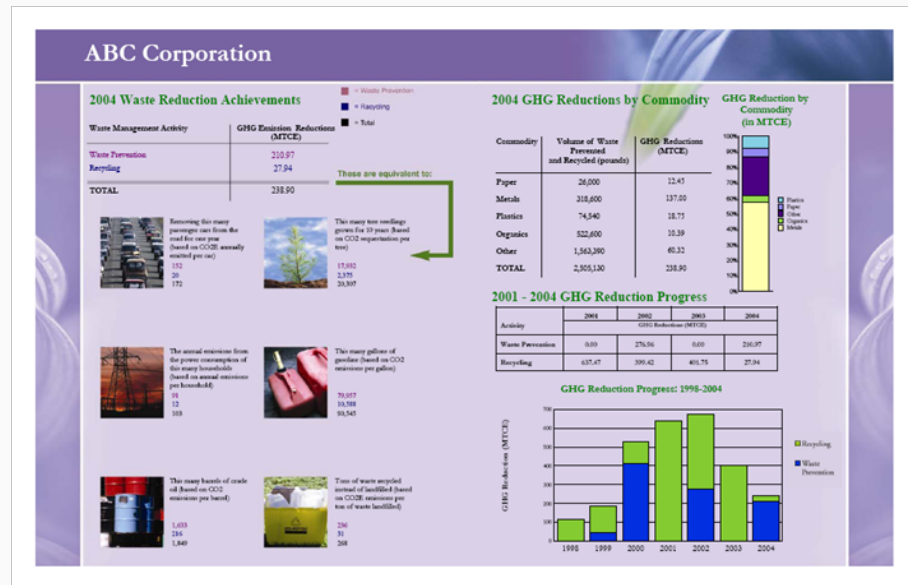
- Free Technical Assistance
  - Individual attention
  - Helpline
  - Resources and Publications
- Online Waste Tracking Software
- EPA Recognition
  - Awards
  - Case studies, articles, and Web site success story features
- Sector Benchmarking
- Climate Profile





# 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 Waste Reduction Achievements

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

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



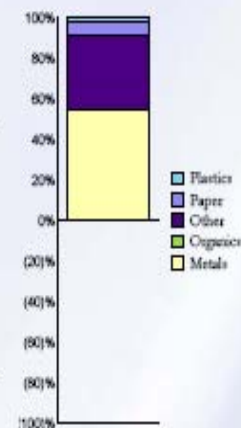
Tons of waste recycled instead of landfilled (based on CO2E emissions per ton of waste landfilled)

98  
35,733  
35,831

■ = Waste Prevention ■ = Recycling ■ = Total

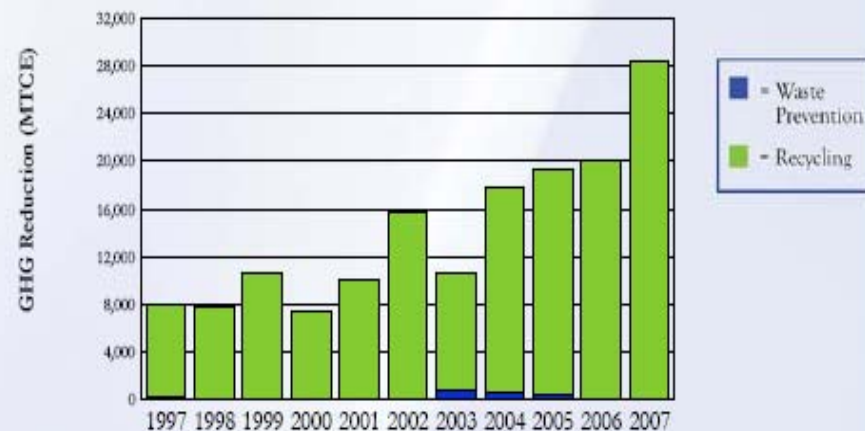
## 2007 GHG Emission Reductions by Commodity

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
<b>TOTAL</b>	<b>286,773,614</b>	<b>28,338.98</b>



## 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
<b>Total</b>	<b>17,854.44</b>	<b>19,365.49</b>	<b>20,165.49</b>	<b>28,338.98</b>





# WasteWise Re-TRAC

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

• Composting combines organic wastes (e.g., yard trimmings, food wastes, manures) in proper ratios into piles, rows, or vessels; adding bulking agents (e.g., wood chips) as necessary to accelerate the breakdown of organic materials; and allowing the finished material to fully stabilize and mature through a curing process.

Select the unit type (tons or pounds).

Enter the amounts of garbage for the upcoming year.

Search Transactions

From: January 1 2008

To: March 31 2008

Materials	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		





# 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.

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
<a href="#">DC Offices</a>	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ
<a href="#">MD Offices</a>	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ
<a href="#">VA</a>	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ





# WasteWise Re-TRAC

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

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# 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

You are logged in as Michael Scott

ACME Paper

- Create Report
- View Reports
- Export Data

Change Location: DC Offices

Year: 2008

Manage Users

WasteWise

EPA WASTE WISE

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

Edit User

Change Password | Manage/Edit Users

User Information correctly updated

\* Email/Username: msscott@acmepaper.com  
Your email address will be your Username.

Title: [ ]

Salutation: Mr.

\* First Name: Michael

Middle Initial: [ ]

\* Last Name: Scott

\* Address: 123 Main St.

Address 2: [ ]

\* City: Scranton

\* State: Pennsylvania

\* Zip: 18501

\* Phone Number: 1234567

Alt Phone Number: [ ]

Fax Number: [ ]

Save

Done

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

**WasteWise Re-TRAC**

Home | Contact Info | Organization Info | Users | Baseline Data | Annual Data | Reports | Logout

You are logged in as Test Account

Test Partner

- Create Report
- View Reports
- Export Data

Change Location: ABC

Manage Users

Standard Reports

**Instructions**

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.

Locations: ABC ABCD

Modules: Annual Assessment Data Total Annual Municipal Solid Waste Disposed Annual Assessment Data Waste Reduction Activities

Starting year for historical report: Baseline

Generate report for year: 2008

Output Format: Html

**You may select or deselect pieces of the report here:**

Generate Report | Reset | Check all | Uncheck all | Show disabled pieces

- Location Trends Over Time**
  - 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
  - Total Tons Generated as % of Whole By Waste Stream
- Location Lists for the Current Year**
  - Tonnage Data**
    - 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
    - Location List by Total Tons from Each Waste Stream, Ordered by Rank



# 1. Location Trends Over Time

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

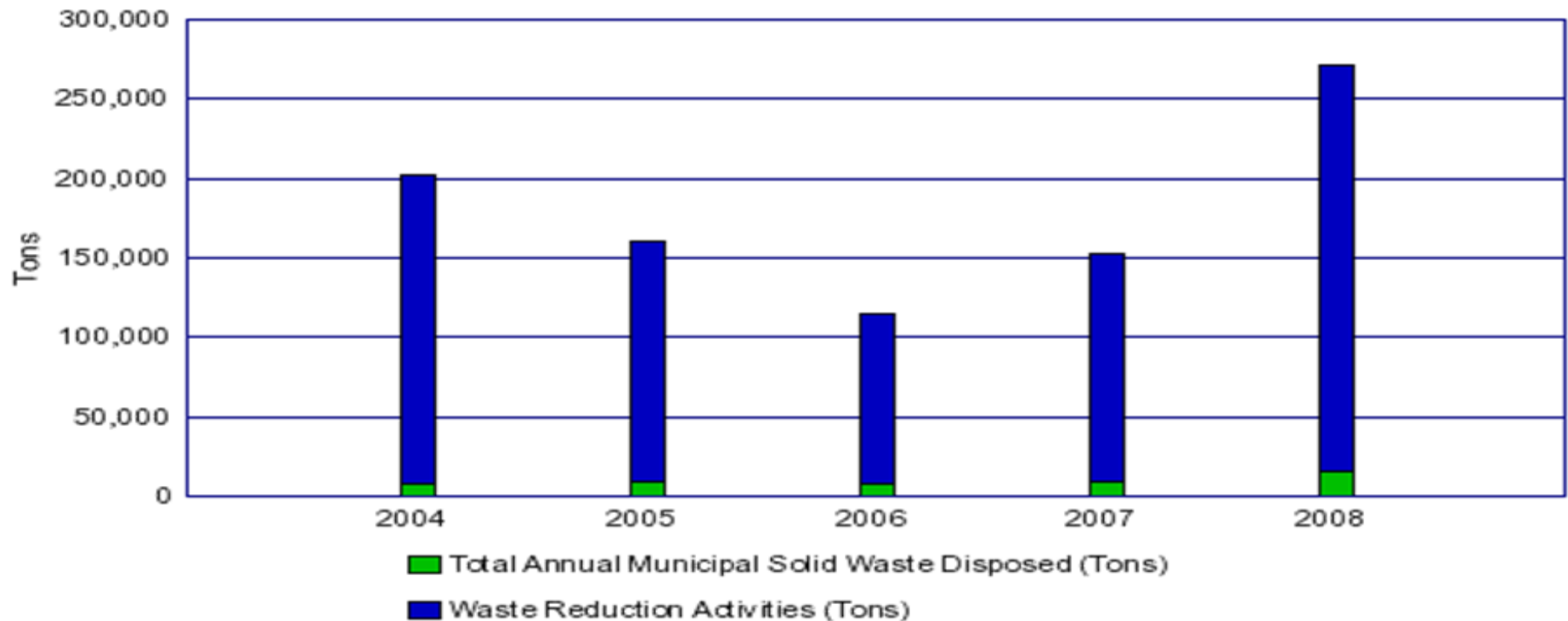


Table 1.1 - Total Tons Generated, Location 1 Data, 2004 to 2008

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**

<b>Material Name</b>	<b>Annual Assessment Data Waste Prevention</b>	<b>Annual Assessment Data Recycling</b>	<b>Annual Assessment Data Composting</b>	<b>Total</b>
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
<b>Totals</b>	<b>24,875.155</b>	<b>230,357.890</b>	<b>711.680</b>	<b>255,944.725</b>

**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
<b>Total</b>	<b>202,160.5 05</b>	<b>100. 0</b>	<b>160,691.1 51</b>	<b>100. 0</b>	<b>114,581.8 67</b>	<b>100. 0</b>	<b>151,956.8 67</b>	<b>100. 0</b>	<b>271,179.0 15</b>

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

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

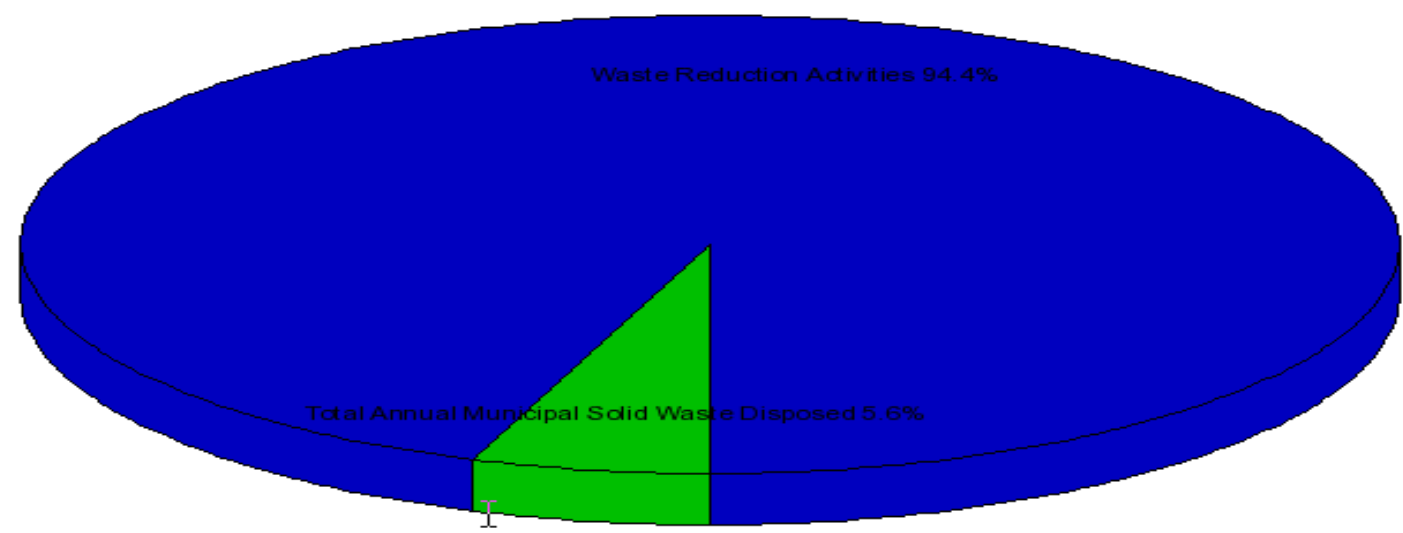
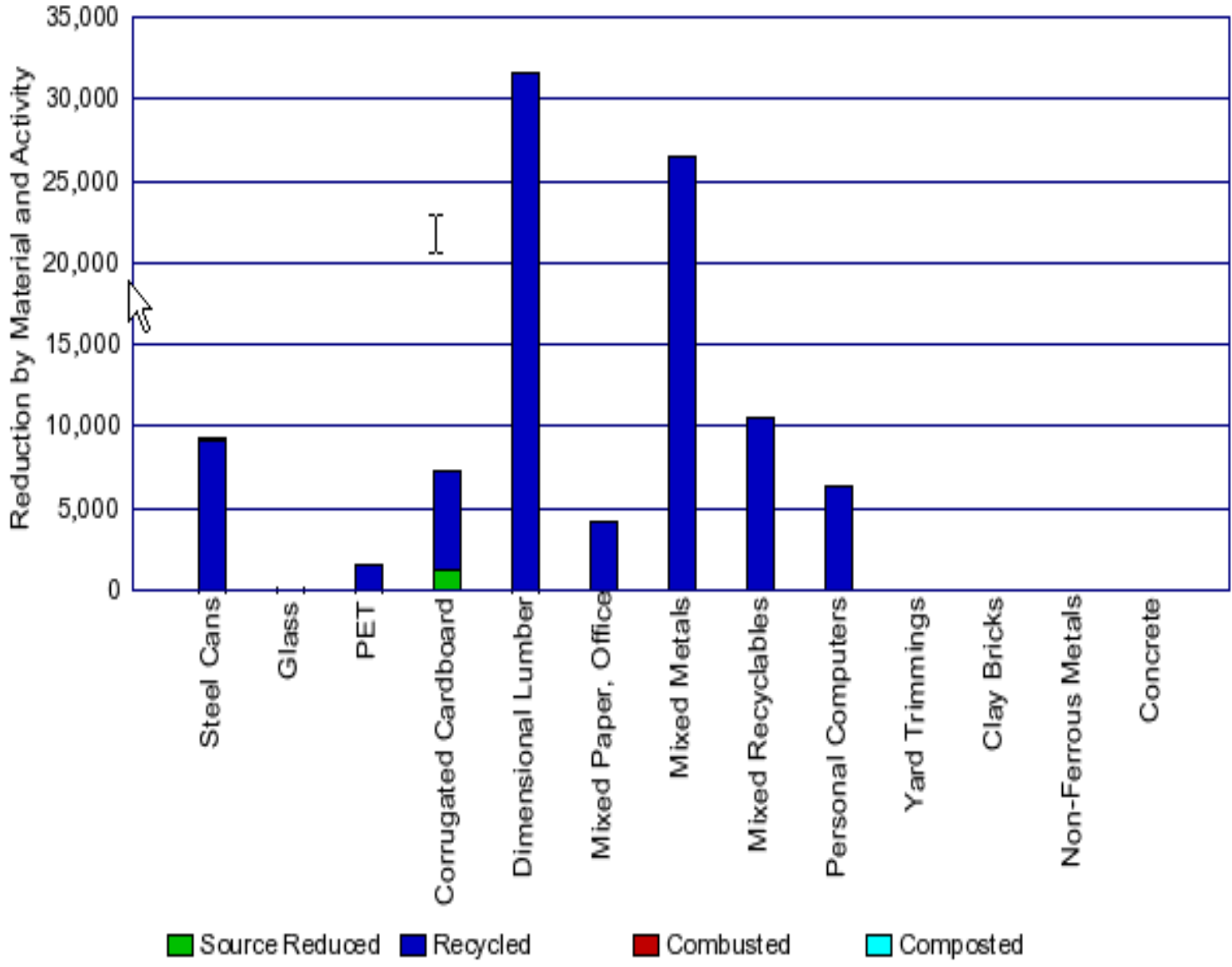


Table 1.4 - Net GHG Reductions By Material Type, All Selected Modules, Location 1 Data, 2008

EPA Material	Ton	Metric Ton Carbon Equivalent	Metric Ton Carbon Dioxide Equivalent
<b>Corrugated Cardboard</b>			
- Recycled	1,741.770	1,637.264	5,991.689
Total	1,741.770	1,637.264	5,991.689
<b>Dimensional Lumber</b>			
- 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
<b>Mixed Paper, Office</b>			
- Recycled	1,081.570	1,124.833	4,109.966
Total	1,081.570	1,124.833	4,109.966
<b>Personal Computers</b>			
- Source Reduced	22.373	341.867	1,253.140
Total	22.373	341.867	1,253.140
<b>Yard Trimmings</b>			
- Composted	711.680	-28.467	-106.752
Total	711.680	-28.467	-106.752
<b>Clay Bricks</b>			
- Source Reduced	24.910	2.242	7.971
Total	24.910	2.242	7.971
<b>Concrete</b>			
- Recycled	126,086.390	1,260.864	6,304.320
Total	126,086.390	1,260.864	6,304.320
<b>Total</b>	<b>162,255.685</b>	<b>26,088.873</b>	<b>97,009.691</b>

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





# Want to Join WasteWise?

Registration is simple and available online.

[www.epa.gov/epawaste/partnerships/wastewise/join.htm](http://www.epa.gov/epawaste/partnerships/wastewise/join.htm)

## MA State WasteWise program

<http://www.mass.gov/dep/recycle/reduce/wastewise.htm>

## *Additional Questions on WasteWise*

[www.epa.gov/wastewise](http://www.epa.gov/wastewise)

Helpline at (800) EPA-WISE

[oswwastewise@erg.com](mailto:oswwastewise@erg.com)