

# **Metro Nashville and Davidson County**

The seal of Metro Nashville and Davidson County is a circular emblem with a sunburst border. Inside the circle, a Native American figure stands holding a bow and arrow, with a skull in his other hand. The text "METROPOLITAN GOVERNMENT" is at the top and "NASHVILLE AND DAVIDSON COUNTY" is at the bottom, separated by two stars.

## **2008 Annual Solid Waste Progress Report**

**April 30, 2009**



Administrative Contact Information - 2008

A \* indicates a required field

**Regional Planning Contacts**

**Planning Region Report Author**

- \* Report Author: Sharon Smith  
Author Title: Professional Specialist
- \* Organization: Metro Nashville Public Works
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City: Nashville
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**Solid Waste Regional Planning Board or Part 9 Authority**

- \* Chair: John Sherman
- \* Address: 526 Fairfax Avenue  
City: Nashville
- \* Zip: 37212
- \* Phone: 615-383-9606  
Fax: 615-383-9634
- Email: jsherman@headwatersgroup.com
- Term Expires: 2010 December 15

**Planning Board**

* Solid Waste Regional Planning Board Member or Part 9 Board Member	* Jurisdiction	Term Expires	
Mr. Jim Driver	City of Goodlettsville	2014 December 31	
Mayor Tommy Alsup	City of Oak Hill	2014 December 31	
		2010	

Mr. Jamie Rounds	City of Berry Hill	April 13	
Dr. Decatur Rogers	Davidson County at-large	2010 December 15	
Mrs. Alma Sandford	Antioch	2010 December 15	
Mr. John Sherman	Nashville	2010 December 15	
Ms. Anna Alexander	Old Hickory	2012 December 15	
Mr. David Wilson	Davidson County at-large	2010 December 15	
Mr. Daniel Lane	Nashville	2012 December 15	
Mr. Robert Diehl	Davidson County at-large	2012 December 31	
Ms. Gail Hughes	Nashville	2014 December 15	

### **County Contacts**

\* County Mayor or Executive: Mayor Karl Dean  
 Title: Metropolitan Mayor  
 \* Address: 107 Metro Courthouse  
 City: Nashville  
 \* Zip: 37201  
 \* Phone: 615-862-6000  
 Fax: 615-862-6040  
 Email: karl.dean@nashville.gov

Solid Waste Director: Billy Lynch  
 Title: Public Works Director  
 Organization: Metro Nashville Public Works  
 Address: 750 S. 5th Street

City: Nashville  
Zip: 37206  
Phone: 615-862-8700  
Fax: 615-862-8799  
Email: billy.lynch@nashville.gov

Recycling Coordinator:

Title:  
Organization:  
Address:  
City:  
Zip:  
Phone:  
Fax: 999-999-9999  
Email:

 Collection Systems & Diversion Activities - 2008

A \* indicates a required field

**Diversion Activities**

\* Did your county have any household hazardous waste events?

Yes  No

**Disaster Recover Diversion**

Comment on any disaster related solid waste activities that may have influenced diversion efforts with the county.

N/A

**Source Reduction Activities**

Describe source reduction and reuse activities by public or private entities by jurisdiction.

Metro Public Works in partnership with Allied Waste and the Metropolitan Public School System has been promoting school recycling since the spring of 2006. This recycling program places recycling dumpsters for fiber collection at any interested MNPS school. The dumpsters are then serviced through a contract between MNPS and Allied Waste. Public Works has distributed informational material promoting recycling, conducted classroom programs and field trips to educate children on recycling at school and at home. During 2008, Metro Beautification distributed over 1249 desk-side recycling bins to 41 schools to assist them with reducing their waste. Currently 100% MNPS schools are participating in this program or have Metro Public Works recycling drop offs located on the school property.

Metro Beautification has also developed a program to distribute backyard compost bins to schools, community centers and the public. Interested schools and community centers can receive backyard compost containers at no cost and compost bins are sold to individuals at Public Works' cost. In 2008, 547 Earth Machines, 27 Green Cones, 78 Compost Thermometers and 169 Kitchen Collection Containers were sold or donated. Public Works has estimated over 65 tons were diverted from the waste stream by this backyard composting program in 2008.

Mayor Dean issued a 100% employee recycling mandate for city government in the spring of 2008. Public Works partnered with General Services to expand their existing program which had been cut back in 2005 due to budget constraints. City employees were provided desk-side recycling blue bins and educational material. Public Works also set up a webpage so that employees could learn more about the importance of recycling (<http://www.nashville.gov/Recycle/Recycling/MetroBuilding.htm>) and waste reduction. Collection containers were placed at all city buildings for employee recycling collection. Public Works also placed recycling containers on each floor of the Courthouse for visitors to recycle. Paper, cardboard, plastic bottles/cans, aluminum cans and metal cans are collected and recycled through this program. Recycling tons for this program more than doubled in CY08 (400.30 tons) over CY07 (167.97 tons).

List any restrictions the county or region places on collected wastes (Examples: No paint cans, no gas tanks, no monitors, etc.).

No radioactive waste.

**Convenience Centers**

\* Have there been any changes to the number of Convenience Centers or the way they are operated by the county?

Yes  No

**Convenience Center #1**

\* **Name of Convenience Center:** East Recycling/Convenience Center

\* **Address:** 939A. Dr. Richard G. Adams Drive

\* **City:** Nashville

\* **Zip:** 37207

\* **Permit Number:** 19-102-1067

\* **Phone #:** 615-862-8631

\* **Does this Convenience center act as a transfer station?**  Yes  No

Mark Days of Operation	Time Open	Time Closed
<input checked="" type="checkbox"/> Sunday	12 PM	4 PM
<input checked="" type="checkbox"/> monday	7 30 AM	5 PM
<input checked="" type="checkbox"/> tuesday	7 30 AM	5 PM
<input checked="" type="checkbox"/> wednesday	7 30 AM	5 PM
<input checked="" type="checkbox"/> thursday	7 30 AM	5 PM
<input checked="" type="checkbox"/> friday	7 30 AM	5 PM
<input checked="" type="checkbox"/> saturday	7 30 AM	5 PM

\* **Do you collect recyclables?:**

Yes  No

**If yes, what recyclables are collected at this Convenience Center:**

Metals  Paper  Glass  Batteries  Plastic  Textiles  Pallets  Tires  Auto Fluid  Other

**Convenience Center #2**

\* **Name of Convenience Center:** Anderson Lane

\* **Address:** 939A Anderson Lane

\* **City:** Madison

\* **Zip:** 37115

\* **Permit Number:** 19-102-0168

\* **Phone #:** 615-860-2588

\* **Does this Convenience center act as a transfer station?**  Yes  No

Mark Days of Operation	Time Open	Time Closed
<input type="checkbox"/> Sunday		
<input type="checkbox"/> monday		
<input checked="" type="checkbox"/> tuesday	8 30 AM	5 00 PM
<input checked="" type="checkbox"/> wednesday	8 30 AM	5 00 PM
<input checked="" type="checkbox"/> thursday	8 30 AM	5 00 PM
<input checked="" type="checkbox"/> friday	8 30 AM	5 00 PM
<input checked="" type="checkbox"/> saturday	8 30 AM	5 00 PM

\* Do you collect recyclables?:

Yes  No

If yes, what recyclables are collected at this Convenience Center:

Metals
  Paper
  Glass
  Batteries
  Plastic
  Textiles
  Pallets
  Tires
  Auto Fluid
  Other

### Convenience Center #3

\* Name of Convenience Center: Omohundro Place

\* Address: 1019 Omohundro Place

\* City: Nashville

\* Zip: 37210

\* Permit Number: 19-102-0484

\* Phone #: 615-880-1955

\* Does this Convenience center act as a transfer station?  Yes  No

Mark Days of Operation	Time Open	Time Closed
<input type="checkbox"/> Sunday		
<input type="checkbox"/> monday		
<input checked="" type="checkbox"/> tuesday	8 00 AM	4 30 PM
<input checked="" type="checkbox"/> wednesday	8 00 AM	4 30 PM
<input checked="" type="checkbox"/> thursday	8 00 AM	4 30 PM
<input checked="" type="checkbox"/> friday	8 00 AM	4 30 PM
<input checked="" type="checkbox"/> saturday	8 00 AM	4 30 PM

**\* Do you collect recyclables?:**

Yes  No

**If yes, what recyclables are collected at this Convenience Center:**

Metals  Paper  Glass  Batteries  Plastic  Textiles  Pallets  Tires  Auto Fluid  Other

**Convenience Center Summary**

**Please briefly identify what changes occurred to your convenience center(s)?**

There have been no changes in the Davidson County convenience centers in 2008.

**\* List number of County Convenience Centers required as computed using this worksheet:** [\(Click Here\)](#) 0

**\* Total number of County Convenience Centers present in County:** 3

**\* Difference:** -3

**If you have fewer convenience centers in the county than are required, what steps will be taken to provide collection assurance?**

**County Public Collection (Green Box)**

**\* Does your county have any green boxes?**  Yes  No

**Roadside Dumps**

List the locations of largest five roadside dumps	List the types of materials that make up these roadside dumps	Dump Tons
Masonwood Dr	Household trash, tires, construction waste, automotive parts	707.400
Ben Allen Rd	Household trash, tires, construction waste, automotive parts	0.000
Ewing Ln	Household trash, tires, construction waste, automotive parts	0.000
Old Glenrose	Household trash, tires, construction waste, automotive parts	0.000
Granada Ave	Household trash, tires, construction waste, automotive parts	0.000

**List Higher Level of Service-Alternative Disposal Collection Systems**

**\* Does your county have a Higher Level of Service-Alternative Disposal Collection System?**  Yes  No



* Jurisdiction	* List public programs by jurisdiction and the percentage of coverage within the jurisdiction	* List publicly contracted programs by jurisdiction and the percentage coverage within the jurisdiction	* List privately contracted programs by jurisdiction and the percentage coverage within the jurisdiction	* Total percentage by jurisdiction of each category of service
City of Belle Meade	0 %	100 %	0 %	100
City of Berry Hill	0 %	100 %	0 %	100
City of Goodlettsville	100 %	0 %	0 %	100
City of Lakewood	0 %	100 %	0 %	100
City of Oak Hill	0 %	100 %	0 %	100
Nashville - Urban Service District	30 %	70 %	0 %	100
Nashville - General Service District	0 %	0 %	100 %	100
City of Forrest Hills	0 %	0 %	100 %	100

**List Curbside Recycling Programs by Jurisdiction**

\* Does your county have any curbside recycling programs  Yes  No

* Jurisdiction	* Percentage of coverage within the jurisdiction	* Check all materials collected in program:	* Is this program: Separated or Co-mingled
Nashville - Urban Service District	100	<input checked="" type="checkbox"/> Fiber/Paper <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic <input checked="" type="checkbox"/> Metals <input type="checkbox"/> Other	<input type="radio"/> Separated <input checked="" type="radio"/> Co-mingled
City of Oak Hill	100	<input checked="" type="checkbox"/> Fiber/Paper <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Metals	<input type="radio"/> Separated <input checked="" type="radio"/> Co-mingled

		<input checked="" type="checkbox"/> <input type="checkbox"/> Other	
City of Belle Meade	100	<input checked="" type="checkbox"/> Fiber/Paper <input checked="" type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic <input checked="" type="checkbox"/> Metals <input type="checkbox"/> Other	<input type="radio"/> Separated <input checked="" type="radio"/> Co-mingled

**Solid Waste Planning & Implementation - 2008**

A \* indicates a required field

**Disposal Life for county Owned/Operated Landfills**

\* Project the amount of extended landfill life that diversion and technology advancements will bring to the capacity of regionally owned and operated Class I landfills.

n/a no county owned landfill.

\* Consider current growth rates for the region. How will continued growth at this rate affect landfill capacities and the solid waste management plan over the next 3, 5, and 10 years?

n/a no county owned landfill.

**Equipment and Facility**

**Solid Waste Management**

Project all new solid waste equipment needs for the next 3 years in the table below.

* Equipment Name	Are capital funds set aside for this purchase?	What funding mechanisms are in place to handle this purchase?	Will this purchase satisfy future growth needs?	
TRUCK, COMPACTOR, FRONT LOADING (1)	<input type="radio"/> Yes <input checked="" type="radio"/> No	Capital Budget	<input checked="" type="radio"/> Yes <input type="radio"/> No	
TRUCK, COMPACTOR, REAR LOADING (5)	<input type="radio"/> Yes <input checked="" type="radio"/> No	Capital Budget	<input checked="" type="radio"/> Yes <input type="radio"/> No	
TRUCK, COMPACTOR, SIDE LOADING (3)	<input type="radio"/> Yes <input checked="" type="radio"/> No	Capital Budget	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Project all new solid waste facilities needed in the next 3 years in the table below.

* Facility Type	Are capital funds set aside for this purchase?	What funding mechanisms are in place to handle this purchase?	Will this purchase satisfy future growth needs?	
n/a	<input type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No	

**Recycling Management**

Project all new recycling equipment needs for the next 3 years in the table below.

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* Equipment Name	Are capital funds set aside for this purchase?	What funding mechanisms are in place to handle this purchase?	Will this purchase satisfy future growth needs?
CARRIER/ROLL OFF (1)	<input type="radio"/> Yes <input checked="" type="radio"/> No	Capital Budget	<input checked="" type="radio"/> Yes <input type="radio"/> No
TRUCK, COMPACTOR, SIDE LOADING, 6YD (2)	<input type="radio"/> Yes <input checked="" type="radio"/> No	Capital Budget	<input type="radio"/> Yes <input checked="" type="radio"/> No

Project all new recycling facilities needed in the next 3 years in the table below.

* Facility Type	Are capital funds set aside for this purchase?	What funding mechanisms are in place to handle this purchase?	Will this purchase satisfy future growth needs?
n/a	<input type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No

#### Future Funding

Category of Funding	When would the funding timing be the most advantageous? (1, 3, 5, 10 years)	What type of funding would be the most advantageous?	Would this funding be used to replace existing equipment?
Facility	10	Non-matching Grants	<input type="radio"/> Yes <input checked="" type="radio"/> No
Equipment	1	Non-matching Grants	<input checked="" type="radio"/> Yes <input type="radio"/> No
Projects	1	Non-matching Grants	<input type="radio"/> Yes <input checked="" type="radio"/> No
Education	1	Non-matching Grants	<input type="radio"/> Yes <input checked="" type="radio"/> No
Other			<input type="radio"/> Yes <input type="radio"/> No

On the table below, please indicate the status of all grant-funded equipment currently used in the region by jurisdiction

* Equipment	Grant Jurisdiction	Grant Equipment Status	Grant Equipment Age	Grant Equipment Life Span
Recycling Roll-off Containers	Nashville	In Use	4	1

#### Future Marketing and Educational Initiatives Marketing

Media	Target	Number	Projected	Repetitions or	Add Line	Remove line
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Type	Audience	Served	Cost	Number	Item	Item
TV						
Radio						
Hard Copy						
Internet						
Board						
Other Media						

**Narrative:**

Public Works uses different media to educate residents on the importance of recycling, waste reduction, composting, etc. Below is a list of the different media used:

1. Website - The [www.nashville.gov/recycle](http://www.nashville.gov/recycle) website provides comprehensive information on all waste reduction services provided to residents. This website is updated regularly.
2. Metro Channel3 - Metro Channel 3 runs slides daily broadcasting information on Public Works programs including recycling drop-off sites and convenience centers, HHW, brush and leaf collection.
3. Tennessean - The Tennessean has promotional material on recycling on their web page and as banner ads in the newspaper. During 2008 these ads have resulted in over 1.1 million impressions.
4. Channel 2 - Channel 2 runs recycling ads on their web page which have resulted in 381,719 impressions during 2008.

Public Works plans to continue using the media to promote recycling, composting and all waste reduction programs during 2009 as funding is available.

**Education**

Target Audience Group	Projected Served	Projected Cost	Repetitions or Number
Adult/General Public			
Business/Industry			
Government/Institutional			
Children/Educators			

**Narrative:**


Children/Educators: Metro Beautification plans to continue programs described in the Past Education Efforts section for the coming year. These programs have been very successful at reaching out to children and adults through classroom presentations, field trips, community meetings, etc. Beautification plans to print and distribute a booklet of educational activities during 2009 along with updated MNPS learning standards to encourage schools to participate in recycling awareness programs.




Metro Beautification has also worked closely with Lockeland Elementary Design Center and other schools to provide outdoor compost bins and instruction lunch waste composting and composting used for science studies and in conjunction with school gardens. Beautification will continue to provide compost bins and educational resources to schools to assist with their waste reduction efforts and loan out worm bins for classroom use.

Colleges/Universities: During 2008, Metro Beautification staff began conducting special programs for college students. Classes at TSU and Belmont University learned about waste management and recycling.

Business/Industry: Public Works provides brochures, lists of area recyclers and waste reduction tips to businesses. Waste Management staff also consult with developers, architects and business managers as requested to review sound waste management practices. Additionally, Public Works plans to hold an exploratory meeting with business/industry leaders to educate on the Metro region recycling options and discuss how we as a local government can work together with the private sector to assist the Metro Region with source reduction, re-use, and with achieving higher recycling levels.

Residential Solid Waste - Annual Material Tonnage - 2008

 The figures presented below are annual totals for your jurisdiction. They have been normalized from other units (if any) to tons.

 Edit Existing Data |  New Transaction |  Search Transactions | Date Range

Show All Entries

Solid Waste	2008 Tons Disposed	2007 Tons Disposed
ALL SOLID WASTE - Tons All Programs	957,837.38	865,671.54

Totals	2008 Tons Disposed	2007 Tons Disposed
Total Tons All Programs Collected	957,837.38	865,671.54


**Class I Landfilled Tons:**

LANDFILL	TONS
West Camden (WMI)	257,160.54
Waste Services of Decatur	8,903.00
Cedar Ridge	42,255.00
Bi-County Landfill	184.00
Middle Point (Allied)	426,324.00
Kentucky Landfill	18,205.21
Georgia Landfill	23,961.63
<b>Total Class I Tons for Region</b>	<b>776,993.38</b>

**Class III/IV Landfilled Tons:**

LANDFILL	TONS
MS-COT:	11,492.00
Southern Services:	169,352.00
<b>Total Class III/IV Tons for Region:</b>	<b>180,844.00</b>

**TOTAL COMBINED TONS** **957,837.38**

 Problem Management & Education Management - 2008

A \* indicates a required field

**Complaints**

\* Is a method provided to receive complaints from the public related to solid waste issues?  Yes  No

\* Provide the total number of reported solid waste complaints: 16084

\* Provide the number of solid waste complaints resolved: 16084

**Past Education Efforts**

Educational Program #1	
* Program Name:	Backyard Composting Classes
* Program Sponsor:	Metro Beautification
* Program Effectiveness:	<input checked="" type="radio"/> Positive Results <input type="radio"/> Negative Results <input type="radio"/> No Change
* Program Type:	<input type="checkbox"/> Classroom <input type="checkbox"/> Advertisement <input type="checkbox"/> Public Access <input type="checkbox"/> Tour <input type="checkbox"/> Recycle Guys <input checked="" type="checkbox"/> Community Outreach <input type="checkbox"/> Other
* Program Target:	<input checked="" type="checkbox"/> Adult/General Public <input type="checkbox"/> Business/Industry <input type="checkbox"/> Government/Institutional <input type="checkbox"/> Children/Educators <input type="checkbox"/> Media <input type="checkbox"/> Civic/Environment <input type="checkbox"/> Other
* Number Served:	<input type="radio"/> 0-10 <input type="radio"/> 11-20 <input type="radio"/> 21-30 <input type="radio"/> 31-50 <input checked="" type="radio"/> 51-100 <input type="radio"/> 101-500 <input type="radio"/> 501-1000 <input type="radio"/> 1001-5000 <input type="radio"/> 5001-10,000 <input type="radio"/> County-Wide <input type="radio"/> Other <input type="radio"/> Special
Narrative:	<div style="border: 1px solid black; padding: 5px;">Community outreach and Master Composter Class to encourage backyard composting.</div>



### Educational Program #2

\* **Program Name:** Recycling Information Programs

\* **Program Sponsor:** Metro Beautification

\* **Program Effectiveness:**

Positive Results     Negative Results     No Change

\* **Program Type:**

Classroom     Advertisement     Public Access     Tour     Recycle Guys  
 Community Outreach     Other

\* **Program Target:**

Adult/General Public     Business/Industry     Government/Institutional     Children/Educators  
 Media     Civic/Environment     Other

\* **Number Served:**

0-10     11-20     21-30     31-50     51-100     101-500  
 501-1000     1001-5000     5001-10,000     County-Wide     Other     Special

**Narrative:**

Community outreach and programs at the Materials Recovery Facility to promote and encourage recycling and waste reduction.

### Educational Program #3

\* **Program Name:** Community Events

\* **Program Sponsor:** Metro Beautification

\* **Program Effectiveness:**

Positive Results     Negative Results     No Change

\* **Program Type:**

Classroom     Advertisement     Public Access     Tour     Recycle Guys  
 Community Outreach     Other

\* **Program Target:**

Adult/General Public     Business/Industry     Government/Institutional     Children/Educators

Media       Civic/Environment       Other

**\* Number Served:**

0-10       11-20       21-30       31-50       51-100       101-500  
 501-1000       1001-5000       5001-10,000       County-Wide       Other       Special

**Narrative:**

Information booths and presentations at community events to promote recycling, composting, and waste reduction.

**Educational Program #4**

**\* Program Name:** Volunteer Gardener Television Segments

**\* Program Sponsor:** Metro Beautification

**\* Program Effectiveness:**

Positive Results       Negative Results       No Change

**\* Program Type:**

Classroom       Advertisement       Public Access       Tour       Recycle Guys  
 Community Outreach       Other

**\* Program Target:**

Adult/General Public       Business/Industry       Government/Institutional       Children/Educators  
 Media       Civic/Environment       Other

**\* Number Served:**

0-10       11-20       21-30       31-50       51-100       101-500  
 501-1000       1001-5000       5001-10,000       County-Wide       Other       Special

**Narrative:**

Public Television segments on composting, recycling, city beautification.

**Educational Program #5**

**\* Program Name:** HHW Collection Events

**\* Program Sponsor:** Metro Beautification

**\* Program Effectiveness:**

Positive Results     Negative Results     No Change

**\* Program Type:**

Classroom     Advertisement     Public Access     Tour     Recycle Guys  
 Community Outreach     Other

**\* Program Target:**

Adult/General Public     Business/Industry     Government/Institutional     Children/Educators  
 Media     Civic/Environment     Other

**\* Number Served:**

0-10     11-20     21-30     31-50     51-100     101-500  
 501-1000     1001-5000     5001-10,000     County-Wide     Other     Special

**Narrative:**

HHW education and collection events.

**Educational Program #6**

**\* Program Name:** School Litter Clean Up

**\* Program Sponsor:** Metro Beautification

**\* Program Effectiveness:**

Positive Results     Negative Results     No Change

**\* Program Type:**

Classroom     Advertisement     Public Access     Tour     Recycle Guys  
 Community Outreach     Other

**\* Program Target:**

Adult/General Public     Business/Industry     Government/Institutional     Children/Educators  
 Media     Civic/Environment     Other

**\* Number Served:**

0-10     11-20     21-30     31-50     51-100     101-500  
 501-1000     1001-5000     5001-10,000     County-Wide     Other     Special



**Narrative:**

School campus litter pick up conducted by students and teachers.

**Educational Program #7**

\* **Program Name:** Student Recycling Art Contests

\* **Program Sponsor:** Metro Beautification

\* **Program Effectiveness:**

Positive Results     Negative Results     No Change

\* **Program Type:**

Classroom     Advertisement     Public Access     Tour     Recycle Guys  
 Community Outreach     Other

\* **Program Target:**

Adult/General Public     Business/Industry     Government/Institutional     Children/Educators  
 Media     Civic/Environment     Other

\* **Number Served:**

0-10     11-20     21-30     31-50     51-100     101-500  
 501-1000     1001-5000     5001-10,000     County-Wide     Other     Special

**Narrative:**

Trash Truck Art Contest and Trash Art Sculpture Contest to promote recycling and encourage reuse of items.

**Educational Program #8**

\* **Program Name:** Litter & Recycling Classroom Materials

\* **Program Sponsor:** Metro Beautification

\* **Program Effectiveness:**

Positive Results     Negative Results     No Change

\* **Program Type:**

Classroom    Advertisement    Public Access    Tour    Recycle Guys

Community Outreach  Other

**\* Program Target:**

Adult/General Public  Business/Industry  Government/Institutional  Children/Educators  
 Media  Civic/Environment  Other

**\* Number Served:**

0-10  11-20  21-30  31-50  51-100  101-500  
 501-1000  1001-5000  5001-10,000  County-Wide  Other  Special

**Narrative:**

Distribution of recycling materials for student use, including classroom activities on litter prevention and KAB's interactive website promoting recycling, composting, and responsible waste management and reduction.

**Educational Program #9**

**\* Program Name:** Student Composting Programs & Activities

**\* Program Sponsor:** Metro Beautification

**\* Program Effectiveness:**

Positive Results  Negative Results  No Change

**\* Program Type:**

Classroom  Advertisement  Public Access  Tour  Recycle Guys  
 Community Outreach  Other

**\* Program Target:**

Adult/General Public  Business/Industry  Government/Institutional  Children/Educators  
 Media  Civic/Environment  Other

**\* Number Served:**

0-10  11-20  21-30  31-50  51-100  101-500  
 501-1000  1001-5000  5001-10,000  County-Wide  Other  Special

**Narrative:**

School composting education, including distribution of outdoor compost bins for school use and loaner worm

bins for the classroom.

### Educational Program #10

\* **Program Name:** Litter Prevention Program - Enviromutt

\* **Program Sponsor:** Metro Beautification

\* **Program Effectiveness:**

Positive Results     Negative Results     No Change

\* **Program Type:**

Classroom     Advertisement     Public Access     Tour     Recycle Guys  
 Community Outreach     Other

\* **Program Target:**

Adult/General Public     Business/Industry     Government/Institutional     Children/Educators  
 Media     Civic/Environment     Other

\* **Number Served:**

0-10     11-20     21-30     31-50     51-100     101-500  
 501-1000     1001-5000     5001-10,000     County-Wide     Other     Special

**Narrative:**

Litter prevention puppet show.

### Educational Program #11

\* **Program Name:** Recycling Programs and Field Trips

\* **Program Sponsor:** Metro Beautification

\* **Program Effectiveness:**

Positive Results     Negative Results     No Change

\* **Program Type:**

Classroom     Advertisement     Public Access     Tour     Recycle Guys  
 Community Outreach     Other

\* **Program Target:**

- Adult/General Public     Business/Industry     Government/Institutional     Children/Educators  
 Media     Civic/Environment     Other

**\* Number Served:**

- 0-10     11-20     21-30     31-50     51-100     101-500  
 501-1000     1001-5000     5001-10,000     County-Wide     Other     Special

**Narrative:**

Classroom programs and field trips to the Materials Recovery Facility to promote recycling and waste reduction.

**Educational Program #12**

**\* Program Name:** Scout Patch

**\* Program Sponsor:** Metro Beautification

**\* Program Effectiveness:**

- Positive Results     Negative Results     No Change

**\* Program Type:**

- Classroom     Advertisement     Public Access     Tour     Recycle Guys  
 Community Outreach     Other

**\* Program Target:**

- Adult/General Public     Business/Industry     Government/Institutional     Children/Educators  
 Media     Civic/Environment     Other

**\* Number Served:**

- 0-10     11-20     21-30     31-50     51-100     101-500  
 501-1000     1001-5000     5001-10,000     County-Wide     Other     Special

**Narrative:**

Patch award for Girl and Boy Scouts, includes recycling requirement.

 Program Summary - 2008

A \* indicates a required field

**Improvements Remediation**

**\* Facility Improvements - Project any facility improvements needed for processing and/or managing solid waste and diversion efforts.**

During 2008, the surface of the brush and yard waste processing pad was repaved.

**\* Monitoring Cost Projections - Project any future monitoring, remediation, or mandated improvements over the next five years by the county for county owned solid waste facilities, including convenience centers or transfer stations.**

Bordeaux = \$49,000  
Ash Monofill = \$30,000  
Due West = \$26,000  
Lebanon Road = \$22,000  
Compost Facility = \$2,500

**Diversion Strategy - Detail Strategies on Diversion**

**\* The Region's 10-Year Plan outlined a strategy to manage solid waste. Looking back on the Plan from this current year, what changes have been made in the way the Region handles & prioritizes SW?**

In the fall of 2008, Public Works signed a contract with EarthSavers to start a curbside recycling program in the Bellevue area. This program will kick off in the early part of 2009 but approximately 600 to 700 residents in Bellevue have signed-up for the service. The Bellevue curbside recycling program with EarthSavers, if successful, may be expanded to other parts of the General Services District of Davidson County in the coming months and year.

**\* What changes to your solid waste plan will be expected and how will these changes be measured to determine successes?**

The Davidson County Region Solid Waste Board will be submitting an updated 10 Year Plan to TDEC. The updated 10 Year Plan will provide a list of options for the future to reduce waste. The Davidson County Region Solid Waste Board has proposed a 60% diversion from any landfill over the 1995 base year by 2018.

**\* List the three largest obstacles to your SW program. Include the solid waste plan goals and any specific county identified goals for solid waste management.**

1. The 2008/09 fiscal year saw a cut in Public Works funding for all divisions. Due to the budget cut, Public Works reduced the number of brush collections for residents in the County from 5 times/year to 3 times/year.
2. While not directly an obstacle, during the last year the Waste Management Division and the Streets and Road Division of Public Works were combined for greater efficiency. This was a challenge for staff in both divisions but overtime, with increased efficiency and streamlined operations it will prove to be a benefit to Davidson County residents in reduced costs.
3. While overall funding was cut in 2008, Public Works was asked to expand certain operations including our In-house Recycling program. It is important for Metro Government to lead by example Expanding recycling collection to all city buildings with a challenge from the Mayor for 100% employee participation shows our



dedication to waste reduction in the county.

### **Waste Stream Estimate**

Give approximate percentages of each category of waste that make up your county's MSW stream.

<b>* Residential</b>	<b>* Commercial</b>	<b>* Institutional</b>	<b>* Industrial</b>
<b>20.00%</b>	<b>45.00%</b>	<b>0.00%</b>	<b>35.00%</b>

### **Successes and Setbacks**

**\* Describe the difficulties you encountered concerning problem wastes for each of the following (auto fluids, gasoline tanks, tires, paint) and how you are dealing with each.**

Nashville and Davidson County residents have access to recycling and waste disposal, including household hazardous waste, seven days/week at the East Convenience Center. Public Works expanded the HHW program to include 2 mobile collection events held in the spring and fall at several of the recycling drop-off sites. These mobile events allowed residents to drop-off CFL's, batteries, unused medications, mercury thermometers, and other items for proper recycling or disposal.

Public Works has also signed a contract with an electronics recycling company to recycle TV's. With the switch to digital signals, it is anticipated that many residents will dispose of older televisions. Currently, residents can bring old TV's to the East Convenience Center where they will be recycled along with other electronics and computers.

**\* Describe any setbacks encountered in your solid waste management program and how these setbacks will be resolved in future plans.**



The biggest setback during 2008 was the sudden fall in market prices for recyclables. This affected the projected revenue for the rest of FY09. While market prices have seen a slow increase in the first few months of 2009, budgeting for the up coming fiscal year will reflect a much more conservative projection of revenue.

**\* Describe your successes in the implementation of your Solid Waste Management Plan. What are you doing well to promote waste reduction?**

In the Spring of 2008, Mayor Dean issued a 100% employee recycling mandate. While Public Works had provided recycling to many city buildings, budget cuts in 2005 had made expansion of this program challenging. Public Works provided collection containers at all city buildings and desk-side blue recycling bins as requested. During 2008, Public Works saw over a 100% increase in recycling tons at city buildings from 2007.

Public Works expanded the recycling drop-off program in 2008 by adding 3 new drop-off sites at McGavock High School, the Northwest Family YMCA and Tennessee State University. In addition, 2 recycling drop-off points were added in the downtown area for residents in multi-family buildings. Recycling tons in 2008 increased 20% over 2007 tons.

During the past calendar year, there was an increase in demand for recycling at events. Public Works has a loaner program for event recycling containers and will supply a recycling trailer for larger events. Public Works assisted with recycling at 80 events including the CMA Festival, the Country Music Marathon, and all Tennessee Titans home games.

 Residential Recycling -  Annual Material Tonnage - 2008



The figures presented below are annual totals for your jurisdiction. They have been normalized from other units (if any) to tons.



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<b>Metal</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
FERROUS		
- Tons All Programs	546.06	<i>808.95</i>
MIXED METALS		
- Tons All Programs	296.89	<i>107.08</i>
<b>Total Metal</b>	<b>842.95</b>	<b><i>916.03</i></b>

<b>Paper</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
CORRUGATED		
- Tons All Programs	2,058.00	<i>1,647.49</i>
NEWSPAPER		
- Tons All Programs		<i>91.36</i>
MISCELLANEOUS PAPER		
- Tons All Programs		<i>3,832.46</i>
COMPOSITE AND ALL OTHER PAPERS		
- Tons All Programs	4,159.92	
<b>Total Paper</b>	<b>6,217.92</b>	<b><i>5,571.31</i></b>

<b>Glass</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
OTHER/CONTAINER GLASS		
- Tons All Programs	1,960.03	<i>1,354.30</i>
<b>Total Glass</b>	<b>1,960.03</b>	<b><i>1,354.30</i></b>

<b>Plastic</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
OTHER PLASTICS & MIXED PLASTICS		
- Tons All Programs	399.95	<i>290.78</i>
<b>Total Plastic</b>	<b>399.95</b>	<b><i>290.78</i></b>

<b>Other Recyclables</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
TIRES		
- Tons All Programs	8,492.49	<i>12,527.46</i>
ELECTRONICS		
- Tons All Programs	41.83	<i>38.88</i>
<b>Total Other Recyclables</b>	<b>8,534.32</b>	<b><i>12,566.34</i></b>

**Other Organic Recyclables**

**2008**      **2007**  
**Tons Collected**    **Tons Collected**

MULCH		
- Tons All Programs	82,195.28	75,403.52
<b>Total Other Organic Recyclables</b>	<b>82,195.28</b>	<b>75,403.52</b>

<b>C &amp; D Debris</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
RECYCLED C & D (NOT III/IV LANDFILLED)		
- Tons All Programs		253.65

<b>Batteries</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
LEAD-ACID		
- Tons All Programs	13.22	20.48
DRY CELL		
- Tons All Programs		0.05
<b>Total Batteries</b>	<b>13.22</b>	<b>20.53</b>

<b>Automotive Fluid</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
USED OIL		
- Tons All Programs	33.10	21.77
ANTIFREEZE		
- Tons All Programs		1.12
<b>Total Automotive Fluid</b>	<b>33.10</b>	<b>22.89</b>

<b>Miscellaneous</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
OTHER (1)		
- Tons All Programs	323.57	13,851.88
OTHER (2)		
- Tons All Programs	440.57	
OTHER (3)		
- Tons All Programs	13,943.92	
<b>Total Miscellaneous</b>	<b>14,708.06</b>	<b>13,851.88</b>

<b>Totals</b>		
Total Tons All Programs Collected	114,904.83	110,251.23

 Residential Recycling -  Financial Detail - 2008

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<b>Fund/Entity</b>	<b>Expense item</b>	<b>2008 Amount (\$)</b>	<b>2007 Numbers</b>
207 - Proprietary Solid Waste Disposal	51000 GENERAL ADMINISTRATION	10,080,264.00	8,910,991.00
Please Select Fund or Entity	55710 SANITATION MANAGEMENT		
Please Select Fund or Entity	55720 SANITATION EDUCATION/INFORMATION		
207 - Proprietary Solid Waste Disposal	55731 WASTE PICKUP	7,276,338.00	6,645,293.00
Please Select Fund or Entity	55732 CONVENIENCE CENTERS		
Please Select Fund or Entity	55733 TRANSFER STATIONS		
Please Select Fund or Entity	55734 PROBLEM WASTE CENTERS		
Please Select Fund or Entity	55735 BAILING CENTERS		
207 - Proprietary Solid Waste Disposal	55739 OTHER WASTE COLLECTION	1,843,370.00	1,897,613.00
Please Select Fund or Entity	55751 RECYCLING CENTER		
Please Select Fund or Entity	55752 COMPOST CENTER		
Please Select Fund or Entity	55753 WASTE INCINERATOR		
Please Select Fund or Entity	55754 LANDFILL OPERATION AND MAINTENANCE		
207 - Proprietary Solid Waste Disposal	55759 OTHER WASTE DISPOSAL	5,175,795.00	4,842,432.00
Please Select Fund or Entity	55770 POST CLOSURE CARE COSTS		
Please Select Fund or Entity	64000 HIGHWAYS LITTER AND TRASH COLLECTION		
207 - Proprietary Solid Waste Disposal	70000 EDUCATION	85,875.00	37,918.00
173 - Capital Projects - Sanitation Projects	90000 CAPITAL PROJECTS	419,926.00	615,514.00
Please Select Fund or Entity	CONTRACTED SERVICES		
<b>TOTAL EXPENSE</b>		<b>24,881,568.00</b>	<b>22,949,761.00</b>

<b>Fund/Entity</b>	<b>Revenue item</b>	<b>2008 Amount (\$)</b>	<b>2007 Numbers</b>
352 - Agency-City Property Tax	40000 LOCAL TAXES	20,925,172.00	19,249,395.00
Please Select Fund or Entity	40100 COUNTY PROPERTY TAXES		
Please Select Fund or Entity	40200 COUNTY LOCAL OPTION TAXES		
207 - Proprietary Solid Waste Disposal	42000 FINES, FORFEITURES AND PENALTIES	4,925.00	6,750.00
Please Select Fund or Entity	43106 COMMERCIAL AND INDUSTRIAL WASTE COLLECTION		

Please Select Fund or Entity	43107 RESIDENTIAL WASTE COLLECTION CHARGES	<input type="text"/>	
Please Select Fund or Entity	43108 CONVENIENCE CENTER WASTE COLLECTION CHARGE	<input type="text"/>	
207 - Proprietary Solid Waste Disposal	43109 TRANSFER WASTE STATIONS COLLECTION CHARGE	763,387.00	681,610.00
207 - Proprietary Solid Waste Disposal	43110 TIPPING FEES	2,231,396.00	2,580,786.00
Please Select Fund or Entity	43111 SURCHARGE-STATE	<input type="text"/>	
Please Select Fund or Entity	43112 SURCHARGE-HOST AGENCY	<input type="text"/>	
Please Select Fund or Entity	43113 SURCHARGE-GENERAL	<input type="text"/>	
207 - Proprietary Solid Waste Disposal	43114 SOLID WASTE DISPOSAL FEE	347,313.00	381,052.00
207 - Proprietary Solid Waste Disposal	44145 SALE OF RECYCLED MATERIALS	885,924.00	618,760.00
Please Select Fund or Entity	44165 COMMODITY REBATES	<input type="text"/>	
207 - Proprietary Solid Waste Disposal	46170 SOLID WASTE GRANTS	595,000.00	586,338.00
Please Select Fund or Entity	46430 PUBLIC WORKS GRANTS - LITTER PROGRAM	<input type="text"/>	
Please Select Fund or Entity	47230 FEDERAL GOVERNMENT DISASTER RELIEF	<input type="text"/>	
Please Select Fund or Entity	48000 - OTHER GOVERNMENTS AND CITIZENS GROUPS	<input type="text"/>	
Please Select Fund or Entity	49800 - TRANSFER FROM GENERAL FUND	<input type="text"/>	
<b>TOTAL REVENUE</b>		<b>25,753,117.00</b>	<b>24,104,691.00</b>

Fund/Entity	Asset item	2008 Amount (\$)	2007 Numbers
Please Select Fund or Entity	13100 FIXED ASSETS - LANDFILL FACILITIES DEVELOPMENT	<input type="text"/>	
Please Select Fund or Entity	13200 LAND	<input type="text"/>	
Please Select Fund or Entity	13300 FIXED ASSETS - BUILDINGS AND IMPROVEMENTS	<input type="text"/>	
Please Select Fund or Entity	13700 MACHINERY AND EQUIPMENT	<input type="text"/>	
<b>TOTAL ASSET</b>		<input type="text"/>	

Fund/Entity	Liability item	2008 Amount (\$)	2007 Numbers
Please Select Fund or Entity	21870 ACCRUED LIABILITY FOR LANDFILL CLOSURE/POST CLOSURE CARE COSTS - CURRENT	<input type="text"/>	
Please Select Fund or Entity	27700 ACCRUED LIABILITY FOR LANDFILL CLOSURE/POST CLOSURE CARE COSTS	<input type="text"/>	
<b>TOTAL LIABILITY</b>		<input type="text"/>	

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 Residential Hazardous Waste -  Annual Material Tonnage - 2008

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<b>HHW</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
HOUSEHOLD HAZARDOUS WASTE - Tons All Programs	431.29	558.05

<b>Totals</b>		
Total Tons All Programs Collected	431.29	558.05

 Commercial Recycling -  Annual Material Tonnage - 2008

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<b>Metal</b>	<b>2008 Tons Collected</b>	<b>2007 Tons Collected</b>
FERROUS		
- Tons All Programs		10.00
NON-FERROUS		
- Tons All Programs		26.00
<b>Total Metal</b>		<b>36.00</b>

<b>Paper</b>	<b>2008 Tons Collected</b>	<b>2007 Tons Collected</b>
CORRUGATED		
- Tons All Programs	7,293.75	19,536.58
NEWSPAPER		
- Tons All Programs		600.00
OFFICE PAPER		
- Tons All Programs	1,082.17	370.00
MISCELLANEOUS PAPER		
- Tons All Programs	4,775.86	12,045.48
COMPOSITE AND ALL OTHER PAPERS		
- Tons All Programs		15.00
<b>Total Paper</b>	<b>13,151.78</b>	<b>32,567.06</b>

<b>Glass</b>	<b>2008 Tons Collected</b>	<b>2007 Tons Collected</b>
FLAT GLASS		
- Tons All Programs	15,610.00	23,206.00
OTHER/CONTAINER GLASS		
- Tons All Programs	27.94	37.70
<b>Total Glass</b>	<b>15,637.94</b>	<b>23,243.70</b>

<b>Plastic</b>	<b>2008 Tons Collected</b>	<b>2007 Tons Collected</b>
#1 PET		
- Tons All Programs		1.00
#2 HDPE		
- Tons All Programs		4.00
<b>Total Plastic</b>		<b>5.00</b>

<b>Other Recyclables</b>	<b>2008 Tons Collected</b>	<b>2007 Tons Collected</b>
TEXTILES		
- Tons All Programs	5,134.71	6,654.50



PALLETS		
- Tons All Programs		<i>3,000.00</i>
<b>Total Other Recyclables</b>	<b>5,134.71</b>	<b><i>9,654.50</i></b>


	<b>2008</b>	<b><i>2007</i></b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
<b>C &amp; D Debris</b>		
RECYCLED C & D (NOT III/IV LANDFILLED)		
- Tons All Programs	38,065.00	<i>40,870.00</i>

	<b>2008</b>	<b><i>2007</i></b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
<b>Miscellaneous</b>		
OTHER (1)		
- Tons All Programs	2,245.00	<i>4,867.80</i>
<b>Total Miscellaneous</b>	<b>2,245.00</b>	<b><i>4,867.80</i></b>

	<b>Totals</b>	
Total Tons All Programs Collected	74,234.43	<i>111,244.06</i>



 Other Recycling -  Annual Material Tonnage - 2008

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<b>Metal</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
FERROUS		
- Tons All Programs	135,392.60	<i>127,991.17</i>
NON-FERROUS		
- Tons All Programs	8,206.80	<i>7,417.00</i>
AUTO BODY SCRAP		
- Tons All Programs	71,004.42	<i>17,081.00</i>
<b>Total Metal</b>	<b>214,603.82</b>	<b><i>152,489.17</i></b>

<b>Paper</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
CORRUGATED		
- Tons All Programs	25,734.61	<i>26,792.00</i>
NEWSPAPER		
- Tons All Programs	2,650.42	
OFFICE PAPER		
- Tons All Programs	13,487.66	<i>5,744.00</i>
MISCELLANEOUS PAPER		
- Tons All Programs	3,344.65	<i>11,572.00</i>
COMPOSITE AND ALL OTHER PAPERS		
- Tons All Programs	2,309.28	<i>236.00</i>
<b>Total Paper</b>	<b>47,526.62</b>	<b><i>44,344.00</i></b>

<b>Glass</b>	<b>2008</b>
	<b>Tons Collected</b>
OTHER/CONTAINER GLASS	
- Tons All Programs	84.28
<b>Total Glass</b>	<b>84.28</b>

<b>Plastic</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
#1 PET		
- Tons All Programs	221.09	
#2 HDPE		
- Tons All Programs	279.64	
#4 LDPE		
- Tons All Programs	13.31	
#6 PS		
- Tons All Programs	39.48	
OTHER PLASTICS & MIXED PLASTICS		
- Tons All Programs	491.71	<i>897.00</i>

<b>Total Plastic</b>	<b>1,045.23</b>	<b>897.00</b>
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<b>Other Recyclables</b>	<b>2008</b>	
	<b>Tons Collected</b>	
ELECTRONICS		
- Tons All Programs	195.00	
<b>Total Other Recyclables</b>	<b>195.00</b>	

<b>Batteries</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
LEAD-ACID		
- Tons All Programs	750.00	605.00
<b>Total Batteries</b>	<b>750.00</b>	<b>605.00</b>

<b>Miscellaneous</b>	<b>2008</b>	<b>2007</b>
	<b>Tons Collected</b>	<b>Tons Collected</b>
OTHER (1)		
- Tons All Programs	15,233.44	1,575.00
OTHER (2)		
- Tons All Programs	35.73	
<b>Total Miscellaneous</b>	<b>15,269.17</b>	<b>1,575.00</b>

<b>Totals</b>		
Total Tons All Programs Collected	279,474.12	199,910.17