

Metro Nashville and Davidson County

The seal of the Metropolitan Government of Nashville and Davidson County is a large, circular emblem with a sunburst border. It features a central figure of a Native American man in traditional dress, holding a bow and arrow. The text around the seal reads "METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY".

2013 Annual Solid Waste Progress Report

March 27, 2014



Section One - Administrative Contact Information

Regional Planning Contacts

Report Author:*Clayton Hand

Author Title: Engineer

Organization:*Metro Nashville Public Works

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City: Nashville

Zip:*37206

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Email:*clayton.hand@nashville.gov

Solid Waste Regional Planning Board or Part 9 Authority

Chair:*John Sherman

Address:*526 Fairfax Ave

City: Nashville

Zip:*37212

Phone:*(615)383-9606

Email:*jsherman@headwatersgroup.com

Planning Board

Name	Representing	Term End
Alexander, Anna	Nashville	12/15/2018
Alexander, Leslee	Davidson County at large	12/15/2017
Cash, Mike	Berry Hill	12/15/2016
Diehl, Robert	Davidson County at large	12/31/2018
Hughes, Gail	Nashville	12/15/2014
Lane, Daniel	Nashville	12/15/2018
Lawal, Ashley	Davidson County at large	12/15/2016
McMullen, Austin	Oak Hill	12/15/2016
Patterson, Guy	Goodlettsville	12/31/2017
Pearigen, Mike	Davidson County at large	12/15/2016
Reardon, Beth	Belle Meade	12/31/2015
Sherman, John	Nashville	12/15/2016
Vannatta, Jack	Lakewood	12/31/2014

Local Government Contacts

Local Government Mayor or Executive:*Karl Dean

Title: Mayor

Address:*Metro Courthouse

City: Nashville

Zip:*37201

Phone:*(615)862-6000

Solid Waste Director: Randy Lovett

Title: Public Works Director

Organization: Metro Nashville Public Works

Address:750 South 5th Street

City: Nashville

Zip:37206

Phone:(615)862-8750

Recycling Coordinator: Jeffrey Ezell

Title: Recycling Coordinator

Organization: Metro Public Works

Address:750 South 5th St.

City: Nashville

Zip:37206

Phone:615-880-2419

Mobile:615-642-0532

Email:jeffrey.ezell@nashville.gov

Section Two - Collection Systems & Diversion Activities

Diversion Activities

Did your local government have any household hazardous waste events?*

1. Yes
2. No

Disaster Recovery Diversion

Comment on any disaster related solid waste activities that may have influenced diversion efforts with your local government. No disaster related solid waste activities in 2013

Source Reduction Activities

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

Backyard Composting - Public Works offers two types of backyard compost bins (Earth Machine and the Green Cone) for sale at the Omohundro Convenience Center. In 2013, 146 compost bins were sold. Public Works also donated 5 backyard compost bins to schools this past year. Public Works also offers backyard composting classes and Master Composter classes.

Community Gardens - Public Works supports community gardens and provides compost containers and workshops to church and neighborhood community gardens in Davidson County. Metro has also started a Tool Lending program in partnership with Second Harvest and Tractor Supply to help support community gardens and tree planting projects.

List any restrictions the local government or region places on collected wastes (Examples: no cardboard allowed in MSW compactors, additional container charges, etc.) July 1, 2011 - Yard waste banned from waste containers July 1, 2012 - Trash cart fees for more than two carts July 1, 2013 - Private haulers required to offer recycling and cardboard

Convenience Center Summary

Please identify ANY changes that occurred to your convenience center(s)? No changes in 2013.

Total number of Convenience Centers present in jurisdiction: 3

Difference: -3

East Center

943A Doctor Richard G. Adams Drive

Nashville, TN 37207

(615) 862-8631

Hours: Mon.-Sat. 7:30am-5:00pm and Sun. Noon-4:00pm

Omohundro

1019 Omohundro Place (entrance on Freightliner Drive)

Nashville, TN 37210

(615) 880-1955

Hours: Tue.-Sat.: 8:00am-4:30pm

Anderson Lane Center

939A Anderson Lane

Madison, TN 37115

(615) 860-2588

Hours: Tues.-Sat.: 8:30am-5 pm

Public Collection (Green Box)

Does your local government have any green boxes?*

1. Yes
2. No

Transfer Stations

Does your local government have any transfer stations?*

1. Yes
2. No

Recycling Drop-off Sites

Bellevue Metro Transit Authority's Park & Ride

Coley Davis Road and Hwy 70 S

Nashville, TN 37221

Open 24 hrs.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Old Ben West Library Building Recycling Drop-off Point

Polk Avenue & Union Street

Nashville, TN 37219

Open 24 hrs.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, plastic bottles & containers

Bicentennial Mall Recycling Drop-off Point

5th Avenue North & Jackson Street

Nashville, TN 37219

Open 24 hrs.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, plastic bottles & containers

Lakewood City Hall (moved from Dupont-Hadley Middle School)

3401 Old Hickory Blvd

Old Hickory, TN 37138

Open 24 hours

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Elysian Fields Kroger

3955 Nolensville Road

Nashville, TN 37211

Open 24 hrs.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Granbery Elementary School

5501 Hill Road

Brentwood, TN 37027

Saturdays 9a.m. to noon

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Hermitage Hobby Lobby

4101 Lebanon Road

Hermitage, TN 37076

Open 24 hrs.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Hillsboro High School

3812 Hillsboro Pike. (Richard Jones Road to Hillmont, between baseball fields.)

Nashville, TN 37215

Open Monday through Saturday, 9 a.m. to 5 p.m. and Sunday, Noon to 5 p.m.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Joelton Middle School

3500 Old Clarksville Highway

Joelton , TN 37080

Open 24 hrs.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

McGavock High School

3150 McGavock Pike - Drop-off is located behind the school next to Two Rivers Park

Nashville, TN 37214

Open 24 hrs.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Rivergate Recycling

630 Myatt Drive

Madison, TN 37115

Monday-Friday 7a.m. to 4p.m.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Tennessee State University

38th Ave N and Albion Street

Nashville, TN 37209

Daily 7a.m. to 7p.m.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Whites Creek High School

7277 Old Hickory Blvd

Nashville, TN 37189

Open 24 hrs.

Accepts: newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers

Pay as You Throw

Does your local government have PAYT?*

1. Yes
2. No

List the locations of the largest five roadside dumps and the materials that make up these dumps.

#	LOCATIONS	MATERIALS	DUMP TONS
1	Old Glenrose @ Thompson Ln	Household Garbage & Tires	1,140
2	John St & Shepard		

#	LOCATIONS	MATERIALS	DUMP TONS
3	Brandau Rd @ Central Pk		
4	Carillon Dr @ Southwind Dr		
5	5450 Franklin Pk Circle		

List Higher Level of Service-Alternative Disposal Collection Systems

Does any local government have curbside waste collection (Higher Level of Service-Alternative Disposal Collection System)?*

- 1. Yes
- 2. No

1. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction:*Davidson County - Urban Services District

Public program percentage of coverage within the jurisdiction:*30.00 %

Publicly contracted programs percentage coverage within the jurisdiction:*70.00 %

Privately contracted programs percentage coverage within the jurisdiction:*0.00 %

Total percentage of each category of service for the jurisdiction100.00

2. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction:*Davidson County - General Services District

Public program percentage of coverage within the jurisdiction:*0.00 %

Publicly contracted programs percentage coverage within the jurisdiction:*0.00 %

Privately contracted programs percentage coverage within the jurisdiction:*100.00 %

Total percentage of each category of service for the jurisdiction100.00

3. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction:*City of Berry Hill

Public program percentage of coverage within the jurisdiction:*0.00 %

Publicly contracted programs percentage coverage within the jurisdiction:*100.00 %
Privately contracted programs percentage coverage within the jurisdiction:*0.00 %
Total percentage of each category of service for the jurisdiction100.00

4. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction:*City of Oak Hill
Public program percentage of coverage within the jurisdiction:*0.00 %
Publicly contracted programs percentage coverage within the jurisdiction:*100.00 %
Privately contracted programs percentage coverage within the jurisdiction:*0.00 %
Total percentage of each category of service for the jurisdiction100.00

5. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction:*City of Forrest Hills
Public program percentage of coverage within the jurisdiction:*0.00 %
Publicly contracted programs percentage coverage within the jurisdiction:*0.00 %
Privately contracted programs percentage coverage within the jurisdiction:*100.00 %
Total percentage of each category of service for the jurisdiction100.00

6. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction:*City of Belle Meade
Public program percentage of coverage within the jurisdiction:*0.00 %
Publicly contracted programs percentage coverage within the jurisdiction:*100.00 %
Privately contracted programs percentage coverage within the jurisdiction:*0.00 %
Total percentage of each category of service for the jurisdiction100.00

7. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction:*City of Goodlettsville
Public program percentage of coverage within the jurisdiction:*0.00 %
Publicly contracted programs percentage coverage within the jurisdiction:*100.00 %
Privately contracted programs percentage coverage within the jurisdiction:*0.00 %
Total percentage of each category of service for the jurisdiction100.00

List Curbside Recycling Programs by Jurisdiction

Does any local government have any curbside recycling programs?*

1. Yes
2. No

1. Curbside Recycling Program

Jurisdiction:*Davidson County - Urban Services District

Participation Rate:*72.00

Check all materials collected in program:*

1. Fiber/Paper
2. Glass
3. Plastic
4. Metals
5. Other

Is this program Separated or Co-mingled:*

1. Separated
2. Co-mingled

2. Curbside Recycling Program

Jurisdiction:*Oak Hill

Participation Rate:*47.00

Check all materials collected in program:*

1. Fiber/Paper
2. Glass
3. Plastic
4. Metals
5. Other

Is this program Separated or Co-mingled:*

1. Separated
2. Co-mingled

3. Curbside Recycling Program

Jurisdiction:*Goodlettsville

Participation Rate:*32.00

Check all materials collected in program:*

1. Fiber/Paper
2. Glass
3. Plastic
4. Metals
5. Other

Is this program Separated or Co-mingled:*

1. Separated
2. Co-mingled

4. Curbside Recycling Program

Jurisdiction:*Berry Hill

Participation Rate:*0.00

Check all materials collected in program:*

1. Fiber/Paper
2. Glass
3. Plastic
4. Metals
5. Other

Is this program Separated or Co-mingled:*

1. Separated
2. Co-mingled

5. Curbside Recycling Program

Jurisdiction:*Belle Meade

Participation Rate:*0.00

Check all materials collected in program:*

1. Fiber/Paper
2. Glass
3. Plastic
4. Metals
5. Other

Is this program Separated or Co-mingled:*

1. Separated
2. Co-mingled

Facility

Provide the Name and Physical Street Address of the Facility(s) where your recyclables (paper, plastic, glass and metal) are taken, sorted, and prepared for market, after they are collected at your convenience centers, through your curbside program, or other collection points.

1. Facility

Name*Waste Management

Address*208 Riverhills Dr

City*Nashville

Zip*37210

If publicly owned, describe the equipment at this location

2. Facility

Name*Waste Management

Address*630 Myatt Dr

City*Madison

Zip*37115

If publicly owned, describe the equipment at this location

Section Three - Solid Waste Planning & Implementations

Publicly Owned/Operated Landfills

Are there any publicly owned landfills in the region?*

1. Yes
2. No

Future Marketing and Educational Initiatives Marketing

Please describe the marketing and educational initiatives you plan in the next year.*

Below is a short summary of 2013 Marketing Initiatives which we plan to continue in the next year: - Social media announcements via Facebook & Twitter -Media campaign with Fox17 to promote Earth Day - Advertising in Green Hills News, Today magazine and Tennessee Black Pages - Booths at the Lawn & Garden Show, Nashville Earth Day Festival, and other community events - Metro 3 slides run regularly providing information on a variety of waste and recycling events, services and announcements. -Regular media releases regarding Public Works services including: E-waste Event in May at LP Field E-waste Event in November by the Airport Great American Clean-up Christmas tree recycling Brush Collection -"Nashville Beautiful Art Contest" with Red River.

Education

Depending on funding, we plan to continue providing the extensive set of education programs detailed in "Problems Management & Education Management". Please see aforementioned section for projections of repetitions and numbers served.

Disaster Debris Management

Does your local government have a Disaster Debris Management Plan?*

1. Yes
2. No

Is the Plan Modeled after FEMA's PA325 Plan?*

1. Yes
2. No

Has it been accepted by TEMA and FEMA?*

1. Yes
2. No

Are pre-event contracts in place? *

1. Yes
2. No

With whom and for what service: *DRC Emergency Services, LLC - removal of disaster related debris

Are staging areas identified?*

1. Yes
2. No

Where? *Staging areas are dependent on the nature of the debris to be managed. There are three mixed debris staging areas: 1. Donelson/BNA 2. Warner Park 3. Metro Center

How is Waste Reduction and Diversion addressed in the local disaster debris management plan? *Where possible wood waste and metal items are collected separately for recycling.

Section 4 - Problem Management & Education Management

Complaints

Is a method provided to receive complaints from the public related to solid waste issues?*

1. Yes
2. No

Provide the total number of reported solid waste complaints:*6,275

Provide the number of solid waste complaints resolved:*6,275

Describe the nature of the complaints:*Missed trash/recycling pickups at curb, alley, or backdoor. Damaged carts or containers. Property damage resulting from waste/recycling collection. Other issues including, but not limited to liquid leaking from collection trucks, recyclables/trash left in road or driveway, carts/containers left in middle of the road, and needing an extra pick-up.

Past Education Efforts

If you conducted any educational programs click on the "Add" button below.

1. Educational Program

Program Name:*The Adventures of Enviromutt

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: This is a puppet show for grades PreK-2nd which focuses on litter prevention and recycling

2. Educational Program

Program Name:*Trees Are Terrific

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50

5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: This is a tree education program for PreK-2nd grades which focuses on trees and the importance of litter prevention and recycling.

3. Educational Program

Program Name:*Trees Too!

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry

- 3. Government/Institutional
- 4. Children/Educators
- 5. Media
- 6. Civic/Environment
- 7. Other

Number Served:*

- 1. 0-10
- 2. 11-20
- 3. 21-30
- 4. 31-50
- 5. 51-100
- 6. 101-500
- 7. 501-1000
- 8. 1001-5000
- 9. 5001-10,000
- 10. County-Wide
- 11. Other
- 12. Special

Narrative: This is a tree education program for 3rd-4th grades which focuses on trees and the importance of litter prevention and recycling.

4. Educational Program

Program Name:*Curby's Recycling Reading Program

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

- 1. Positive Result - Noticeable increase in materials or quality after campaign
- 2. Negative Result - Noticeable decrease in materials or quality after campaign
- 3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: This program features reading children's books about litter prevention and recycling. Students listen and talk about the issues involved.

5. Educational Program

Program Name:*Recycling Education Station

Program Sponsor:*Metro Public Works/TDOT/Waste Management

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50

5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: This offering is for people of all ages who visit a classroom which is located at the Waste Management MRF. Visitors learn about litter prevention, why recycling is important for our community & environment, how recycling works, where it can be done in Davidson County, etc.

6. Educational Program

Program Name:*Scout Patch Program

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: We offer scout badges for Boy/Girl/World Scouts which complete 2-4 of a list of possible environmental activities which include litter clean-ups, composting, recycling, or planting trees.

7. Educational Program

Program Name:*School Compost Bin Donation

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: We donate an 80-gallon capacity compost bin and compost education for Metro Public Schools which want to compost on campus.

8. Educational Program

Program Name:*Worm Composting

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10

2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: We provide a loaner vermicompost bin for schools which want to study vermicomposting at school. We also provide this education as a classroom style presentation for those who do not wish to retain the bin for a period.

9. Educational Program

Program Name:*Curby's Recycling Roadshow

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: This is a recycling education program presented as outreach to school groups in 3rd and 4th Grade.

10. Educational Program

Program Name:*Trash Art Competition

Program Sponsor:*Metro Public Works/TDOT

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign

- 2. Negative Result - Noticeable decrease in materials or quality after campaign
- 3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

- 1. Classroom
- 2. Advertisement
- 3. Public Access
- 4. Tour
- 5. Recycle Guys
- 6. Community Outreach
- 7. Other

Program Target:*

- 1. Adult/General Public
- 2. Business/Industry
- 3. Government/Institutional
- 4. Children/Educators
- 5. Media
- 6. Civic/Environment
- 7. Other

Number Served:*

- 1. 0-10
- 2. 11-20
- 3. 21-30
- 4. 31-50
- 5. 51-100
- 6. 101-500
- 7. 501-1000
- 8. 1001-5000
- 9. 5001-10,000
- 10. County-Wide
- 11. Other

12. Special

Narrative: This is a competition we sponsor, for which students compete by creating a themed work of art from clean trash/recyclable items.

11. Educational Program

Program Name:*Trash Truck/Nashville Beautiful Art Competition

Program Sponsor:*Red River Waste Solutions/Metro Public Works

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: For this contest, 3rd and 4th graders create works of art based on a theme. 2013 theme was Earth Day Every Day. School finalists' works are enlarged onto banners which adorn Red River Waste trucks throughout the year.

12. Educational Program

Program Name:*Ring Around the School

Program Sponsor:*TDOT/Metro Public Works

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: This is a campus litter clean-up event.

13. Educational Program

Program Name:*Papermaking

Program Sponsor:*TDOT/Metro Public Works

Program Effectiveness:*

1. Positive Result - Noticeable increase in materials or quality after campaign
2. Negative Result - Noticeable decrease in materials or quality after campaign
3. Neutral Result - No change in material rates or quality after campaign

Program Type:*

1. Classroom
2. Advertisement
3. Public Access
4. Tour
5. Recycle Guys
6. Community Outreach
7. Other

Program Target:*

1. Adult/General Public
2. Business/Industry
3. Government/Institutional
4. Children/Educators
5. Media
6. Civic/Environment
7. Other

Number Served:*

1. 0-10
2. 11-20
3. 21-30
4. 31-50
5. 51-100
6. 101-500
7. 501-1000
8. 1001-5000
9. 5001-10,000
10. County-Wide
11. Other
12. Special

Narrative: Hand-made paper activity for recycling education.

Section 5 - Program Summary

Solid Waste Planning - Detail Strategies on Diversion

The Region's 10-Year Plan outlined a strategy to manage solid waste. In lieu of developing a complete update of this Plan as required by TCA 82-211-814, answer the following questions in as much detail as possible. **These questions should be answered by the government body responsible for directly determining solid waste policy within the region.**

Name and title of individual(s) who answers the following questions:*Public Works Staff

Looking back on the Plan from this current year, what changes have been made in the way the county handles & prioritizes Solid Waste?*Metro has continued to implement changes in the Solid Waste Code which was passed in 2010. The changes mentioned here focus on encouraging waste reduction and recycling. Changes in 2013 included requiring all waste haulers in Davidson County to provide a recycling option; cardboard was banned from trash containers.

List and discuss the three largest obstacles to your solid waste disposal system:*As mentioned in the Region's 10 Year Plan section 4.10, the biggest weakness of the disposal system is "its reliance on a single, privately-owned transfer station and a single contractor to provide transfer, hauling and disposal services to metro and other local governments for the non-recycled MSW generated in the region." An additional obstacle to the region's disposal system is the lack of any commercial compost options. Probably the most limiting factor is that Metro Public Works only controls a fraction of the waste generated in the county. Approximately 77% of the waste disposed in Class I landfills and all waste disposed in Class III-IV landfills falls outside the control of the department. Every effort is made to reach out to private businesses, institutions, and residents in the General Services District and satellite cities to promote waste reduction and recycling.

In the coming years, how do you plan to handle disposal of waste differently to better address these issues?*Modification to the current system would be dependent on funding.

List and discuss the three largest obstacles to your waste reduction/recycling system:*Limited funds for broad, comprehensive promotion and education materials about existing recycling and waste reduction initiatives. Because recycling in our region is largely voluntary, adequate funding is essential for educating the public about why recycling and waste reduction are important for our community and environment, and how citizens, businesses, and institutions can best participate. Lack of a Metro operated landfill or transfer station, coupled with a lack of state-wide bans. Though Metro has implemented regulatory measures banning cardboard and yard waste from trash containers in Davidson County, enforcement of these and future regulations is difficult without operating a waste handling or disposal facility, or having state-wide bans in place on certain material going into landfills. There is no regional commercial composting or waste to energy facility for diversion of organics.

In the coming years, what new programs, or modifications to existing programs, will be enacted to increase the amounts of material being reduced/recycled?*Public Works is continuing collection/disposal fees which residential customers in the Urban Services District will be required to pay for additional trash carts. Recycle carts will be provided at no cost. In 2012, the program began and residential customers with more than 2 96-gallon trash carts pay a monthly collection and disposal cost for each additional cart. 2013 brought regulations banning cardboard in trash containers and required all waste haulers to offer a recycling option. 2015 will bring a ban on electronics in trash containers.

Improvements Remediation

Facility Improvements - Project any facility improvements needed for processing and/or managing solid waste and diversion efforts:*Public Works does not plan on any facility improvements over the next year.

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:*The following list provides cost of

monitoring and maintenance of the four landfills which Metro oversees in the region:

Bordeaux: \$46,109.33 Ash Monofill: \$7,369.30 Due West: \$1,374.65 Lebanon Road: \$1,519.51

The 2013 costs were down from 2012, and we project these costs to decrease further in 2014, as two of these sites will no longer require as much testing.

Waste Stream Estimate

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

Residential:*38.00 %

Commercial:*42.00 %

Institutional:*10.00 %

Industrial:*10.00 %

Successes and Setbacks

Describe any setbacks encountered in your solid waste management program and how these setbacks will be resolved in future plans:*Please see section above on obstacles to the region's solid waste disposal system.

Describe your successes in the implementation of your Solid Waste Management Plan. What are you doing well to promote waste reduction:*The 10 Year Solid Waste Plan outlines short, mid and long-term recommendations to reducing waste in the county. When Metro Council adopted the updated Solid Waste Code in August of 2010, a number of changes to how waste is managed were included. The intent of those changes was to encourage recycling and provide incentives for participation. See description below: July 1, 2011 - Yard waste banned from waste containers July 1, 2012 - Trash cart collection and disposal fees for customers with more than 2 carts July 1, 2013 - All private haulers in the county are required to offer recycling/cardboard banned from waste containers July 1, 2015 -Electronic waste banned from

waste containers Over the past two years, we have partnered with Coca-Cola and Kroger for two "Recycle & Win" campaigns for which the sponsors circulated recycling information to all residents of Davidson County, and awarded prizes to lucky participants. This was an invaluable way to disseminate information to our citizens at little cost to Public Works. Please see the Education section for information regarding the successes of our education programs.

Description of the Municipal Solid Waste Region

State or revise current responsibilities of each local government in the region by

jurisdiction.*Each of the local governments (other than the City of Forest Hills) provides trash and recycling service for residents. All residents of Nashville and Davidson County have access to trash and curbside recycling collection either through city funded programs or by contracting directly with a private hauler.

Describe and provide an analysis of the Current Solid Waste Management System within the

region.*The majority of the waste collected in Nashville and Davidson County is picked up by either city staff, city contractors or private contractors and is transported to one of two waste transfer stations within the county. The waste transfer stations are owned by Waste Management, Inc. and Republic Services. Class I landfilled waste is then transferred out of the region to privately owned landfills. Recyclable materials are collected by city staff, city contractors, and private contractors and taken to private materials recovery facilities for processing. It is our hope that increases in privately owned recycling infrastructure will decrease the costs of recycling to customers outside of Metro Public Works' customers.

Describe the growth trends, waste projections, and system structure of the region.*Davidson

County is a vibrant region with the population growth rate consistent to Table 5-1 of the 10 Year Plan. Because Metro Public Works controls only about 23% of the solid waste stream in the region, Public Works is reliant on private entities for information regarding tonnage numbers for landfilled and recycled materials. This makes reliable calculations and future projections very difficult to calculate without state reporting regulations in place. 2013 class I landfilled waste was up slightly from 2012.

Describe current waste reduction strategies for the region. Include effectiveness. If positive waste reduction efforts are not occurring, describe why and lay out strategy with timeline to address negative result efforts.*Currently every resident in the region has access to recycling collection provided by either a city funded service or available to the resident (including apartments) by contracted haulers. Please see above and Education section for more details and estimated level of effectiveness of our efforts to encourage citizens, businesses and institutions to participate in recycling and waste reduction initiatives.

Describe current waste collection and transportation systems. Include any expected changes or revisions to this plan.*Waste is collected by a combination of government services and privately contracted services. As mentioned above, the majority of the waste goes to one of the two privately owned waste transfer stations in the county. No changes to this system are expected in the next year.

Describe current recycling strategies. If capture rate for commodities are less than the percentage described in the region's plan for available materials, what will be done to address this issue. Give time table of projects, responsible parties, and method to determine success that will be used to attain this.*Public Works strives year-round to educate the public about recycling, and to provide convenient access to various recycling options. Annual commercial recycling rates can be very volatile depending on private recyclers willingness to provide data. With no state regulations in place to enforce reporting, gathering recycling statistics is challenging. The region is confident that rates, in the public sector, will grow overtime with the implementation of curbside recycling programs in all but one of the satellite cities, the implementation of recycling incentives such as trash cart fees in the Urban Services District, and the ban on cardboard in waste containers.

Describe the region's current composting, solid waste processing, waste-to-energy, and incineration capacity and strategies. Note any future or expected changes.*Public Works operates a yard waste processing facility within the county. All yard waste, tree limbs, leaves,

etc. received at the facility are ground and aged for use as mulch or other waste diversion activities. Metro Water Services dehydrates and pelletizes its sewage sludge. The pellets are distributed, through a third party, as a soil amendment. There currently are no commercial composting or waste-to-energy facilities capable of handling significant portions of waste.

What is the current disposal capacity for the solid waste processing facilities used by the region?*Current projected disposal capacity: West Camden Landfill – 21.5 years Bi-County Landfill – 4 years Middle Point Landfill – 16 years

Describe public information and education strategy , target, and general

effectiveness.*Please see the "Problem Management & Education" section of this report for these details. We feel that our efforts to reach citizens, especially in school settings, are effective. Though we do continue to provide a particular set of education programs designed to address all age groups, we also try to stay open about new and innovative ways to engage and educate all citizens in the region.

Describe current problem waste management strategy. Include management descriptions for batteries, oil, paint, antifreeze, electronics and HHW materials.*All items listed are handled at the Metro Public Works Household Hazardous Waste facility located at the East Convenience Center. Residents of Nashville and Davidson County have access to this facility seven days per week. Beginning January 1, 2014, latex paint is no longer accepted at the HHW facility, but we encourage citizens to dry out any excess latex paints and dispose of them in a trash container.

Briefly describe the current level of staff and how the program is funded.*Funding for waste and recycling comes from either the general fund or the solid waste fund. For fiscal year 2014, there are 97 full time and 3 part time employees.

Section Six - Financial Information

Expenses

EXPENSE ITEM	AMOUNT (\$)
51000 General Administration	\$ 2,785,055.56
55731 Waste Pickup	\$ 9,451,371.10
55739 Other Waste Collection	\$ 1,932,058.48
55751 Recycling Center	\$ 1,627,689.31
55752 Compost Center	\$ 144,274.25
55759 Other Waste Disposal	\$ 5,575,920.53
55770 Post Closure Care Costs	\$ 158,551.69
70000 Education	\$ 148,745.83
TOTAL EXPENSES	\$ 21,823,666.75

Revenues

REVENUE ITEM	AMOUNT (\$)
40000 Local Taxes	\$ 3,656.27
43108 Convenience Center Waste Collection Charge	\$ 416,530.69
43112 Surcharge - Host Agency	\$ 16,238.07
43113 Surcharge - General	\$ 3,984,487.09
44145 Sale of Recyclables	\$ 573,895.77
46170 Solid Waste Grants	\$ 558,531.00
48000 - Other Governments and Citizens Groups	\$ 588,259.17
49800 - Transfer from General Fund	\$ 16,167,200.00
TOTAL REVENUES	\$ 22,308,798.06

Section Seven – Landfill Reports

Class I Landfill Disposal

DISPOSAL POINT	TONS
West Camden	87,918.86
Meadow Branch	411.92
Bi-County	1,423.22
Middle Point	387,199.92
Cedar Ridge	18,850.02
Smith County	736.97
Kentucky - Southern Sanitation	152,566.93
TOTAL CLASS I TONS DISPOSED	649,107.84

Class III-IV Disposal

DISPOSAL POINT	TONS
MS-COT (Central Pike)	36,336.25
Southern Services	193,927.00
TOTAL CLASS III-IV TONS DISPOSED	230,263.25
TOTAL CLASS I-IV TONS DISPOSED FROM REGION	879,371.09

Section Eight - Recycling Reports

Private Recycling Tons

	2013 Tons	2012 Tons
Batteries	875.48	1,466.00
C&D Diversion	6,306.00	11,371.70
Cardboard	24,088.13	14,060.60
Carpet/Pad	6,000.00	4,500.00
Electronic Waste	327.90	697.91
Glass	29,998.33	32,775.11
Grease	6,738.00	6,341.00
Metal	136,847.00	95,352.89
Mixed Plastic/Metal	239.36	261.50
Mixed Recyclables	18,432.40	12,741.26
Paper	20,803.00	17,097.90
Plastic	813.20	316.51
Textiles	6,521.59	5,662.31
Wood Waste	1,782.00	8,225.00
TOTAL PRIVATE RECYCLING	259,772.39	210,869.69

Public Recycling Tons

	2013 Tons	2012 Tons
Automotive Fluids	26.48	35.91
Cardboard	1,814.48	1,720.04
Carpet/Pad	350.40	369.38
Electronic Waste	254.52	244.04
Glass	2,271.37	2,322.89
Grease	1.19	1.95
HHW	28.56	38.14
Metal	318.14	522.45
Mixed Plastic/Metal	341.06	341.69
Mixed Recyclables	13,713.40	13,719.20
Paper	2,607.67	2,715.18
Plastic	482.53	528.82
Tires	6,061.80	5,664.10
Wood Waste	64,703.70	64,615.18
TOTAL PUBLIC RECYCLING	92,975.30	92,838.97
TOTAL RECYCLING TONS	352,747.69	303,708.66