

Metro Nashville and Davidson County

2018 Annual Solid Waste Progress Report



**Davidson County
Solid Waste Region Board**

April 1, 2019

Administrative Contact Information

Regional Planning Contacts

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Solid Waste Regional Planning Board or Part 9 Authority

Chair:*John Sherman

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Planning Board

Name	Representing	Term End
Beck-Taylor, Damita	Nashville & Davidson County	12/15/2024
Campbell, Heidi	Oak Hill	2/25/2021
Diehl, Robert	Nashville & Davidson County	12/31/2024
Hackett, Jennifer	Nashville & Davidson County	12/15/2023
McCormick, Jeff	Goodlettsville	3/15/2021
McMichael, Kenneth Sr.	Nashville & Davidson County	12/15/2022
Paz, Vanessa	Nashville & Davidson County	12/15/2022
Reardon, Beth	Belle Meade	1/5/2021
Repsher, Jason	Nashville & Davidson County	12/31/2024
Sherman, John	Nashville & Davidson County	12/15/2022
Sullivan, Michael	Berry Hill	10/24/2023

Local Government Contacts

Local Government Mayor or Executive:*David Briley, Mayor

Address:*Metro Courthouse, 1 Public Square, Nashville, TN 37201

Phone:*(615)862-6000

Solid Waste Director: Sharon Smith, Public Works Assistant Director

Organization: Metro Nashville Public Works, 750 S. 5th Street, Nashville, TN 37206

Phone:(615)862-8715

Recycling Coordinator: Kelly Tipler, Recycling Coordinator

Organization: Metro Nashville Public Works, 750 S. 5th Street, Nashville, TN 37206

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10 Year Plan Update

Each Region submitted an original 10 Year Plan detailing the roles and responsibilities of those who provide solid waste and materials management services. Tennessee Code Annotated §68-211-814(a)(3) and Rule 0400-11-01-.09(3)(j) require each Region to submit an annual progress report covering the next ten (10) years that serves as routine update to the Region’s original 10 Year Plan. Similarly, Rule 0400-11-01-.09(3)(d) requires each county to develop a omprehensive integrative municipal solid waste management plan consistent with the 2015 – 2025 Solid Waste and Materials Management State Plan. Each county comprehensive integrative municipal solid waste management plan then modifies, updates and contributes to each Regions’ Plan, Rules 0400-11-01-.09(3)(e). Information provided in the following fields will serve as the county’s comprehensive integrative municipal solid waste management plan which informs updates to each Region’s annual progress report.

The Department understands that not all elements of the Plan change year to year. When answering the following questions, county/counties within the Region may elect to answer “No Update Required”. By choosing this option, the county’s contribution to the Region’s last update to the Department will be the most current 10 Year Planning Update. We encourage the Region to think about its plans for the next 10 Years and the updates needed to amend its original plan.

Thinking over the next 10 years, will any of the contents of the current Regional Plan need to be updated? The contents of the Municipal Solid Waste Region Plans, described in §68-211-815(b), are listed below. By selecting yes, there will be an opportunity to amend the section. By selecting no, the system will bring forward the last update and make it most current amendment. Tennessee Code Annotated requires Region plan amendments shall be consistent with the state solid waste plan.

Davidson County is in the process of creating a long-term zero waste master plan which will replace the current 10 Year Plan updated submitted to TDEC in 2008.

Annual Progress Report

1. Convenience Center

Center Name & Address	Permit	Hours/Phone	Acceptable Items
Anderson Lane Center 939A Anderson Lane, Madison, TN 37115	CCC190000168	Tues.-Sat.: 8:30am- 5 pm (615) 860-2588	Metals, Paper, Glass, Plastic, Tires
East Center 943A Doctor Richard G. Adams Drive, 37207	CCC190000167	Mon.-Sat. 7:30am- 5:00pm and Sun. Noon-4:00pm (615) 862-8631	Metals, Paper, Glass, Batteries, Plastic, Pallets, Tires, Used Oil, Antifreeze, E-Scrap, Paint
Ezell Pike 5113 Harding Place, Nashville, TN 37211	CCC190000566	Mon.-Sat. 7:30am- 5:00pm and Sun. Noon-4:00pm (615) 880-2530	Metals, Paper, Glass, Batteries, Plastic, Pallets, Tires, Used Oil, Antifreeze, E-Scrap, Paint, Brush
Omohundro 1019 Omohundro Place Nashville, TN 37210	CCC190000484	Tue.-Sat.: 8:00am- 4:30pm (615) 880-1955	Metals, Paper, Glass, Plastic, Pallets, Tires, E-Scrap, Brush

2. Public Collection (Green Box) - Does your local government have any green boxes? NO

3. List any publicly operated curbside municipal solid waste programs

	How is Collection Managed	Frequency Collected	Collection Method	Other Items Collected	Households Served
Davidson County - USD	Public & Contract	Weekly	Fully/Semi Automated	Brush, Bulky Waste, White Goods	138,855
City of Berry Hill	Contract	Weekly	Semi - Automated	Brush, Bulky Waste, White Goods	190
City of Oak Hill	Contract	Weekly	Manual	Brush, Bulky Waste, White Goods	1800
City of Belle Meade	Contract	Weekly	Manual	Brush	1,150
City of Goodlettsville	Contract	Weekly	Semi-Automated	Brush, Bulky Waste, White Goods	4744
City of Forrest Hills	Open Market	Weekly	Manual	Brush	1,800

4. List Publically Operated Curbside Recycling Programs

Jurisdiction	Public/ Private Contract	Materials	Collection Method	Cart Size	Frequency
Davidson - Urban Services District	Both	Fiber/Paper, Plastic, Metals	Co-mingled	96 Gallon	Monthly
City of Oak Hill	Contract	Fiber/Paper, Plastic, Metals	Co-mingled	Variety	Weekly
City of Goodlettsville	Contract	Fiber/Paper, Plastic, Metals	Co-mingled	96 Gallon	Every other Week
City of Berry Hill	Contract	Fiber/Paper, Plastic, Metals	Co-mingled	32 or 45 Gallon	Weekly
City of Belle Meade	Contract	Fiber/Paper, Plastic, Metals	Co-mingled	Blue bags	Weekly

5. List publicly operated recycling drop-off locations

Location	Address	Restricted Access/Staffed	Acceptable Material
Bellevue Metro Transit Authority's Park & Ride	Coley Davis Road and Hwy 70 S	No / No	newspaper, mixed paper, paper board, cardboard, aluminum, tin, glass containers, plastic bottles & containers
Cane Ridge High School	12848 Old Hickory Blvd	No / No	Same as above
Granbery Elementary School	5501 Hill Road	No / No	Same as above
Hillsboro High School	3812 Hillsboro Pike.	No / No	Same as above
Joelton Middle School	3500 Old Clarksville HWY	No / No	Same as above
Lakewood City Hall	3401 Old Hickory Blvd	No / No	Same as above
McGavock High School	3150 McGavock Pike	No / No	Same as above
Tennessee State University	38th Ave N and Albion St	No / No	Same as above
Whites Creek High School	7277 Old Hickory Blvd	No / No	Same as above
Old Ben West Library	Polk Avenue & Union Street	No / No	newspaper, mixed paper, paper board, cardboard, aluminum, tin, plastic bottles & containers (NO GLASS)

6. List any recovery businesses that accept, buy or process recyclable material for the county or its municipalities.

Waste Management, 208 Riverhills Road 37201

Materials Accepted Single Stream: Paper/Cardboard, Plastic bottles/containers, Metal food and beverage cans

Materials Accepted Source Separated: Paper/Cardboard, Plastic bottles/containers, Metal food and beverage cans, glass bottles

7. List any restricts or bans placed on wastes collected in the county or each municipality.

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 banned from waste containers

8. Check all obstacles that apply to expanding recycling in the county or its municipalities

- Funding
- Citizen apathy
- Lack of support
- Education
- Markets
- Staff
- Other

9. Management of Organics

City/County	Materials Collected	Products Produced	Who Performs the Services
Davidson County	Yard Waste Tree Limbs Post-Consumer Food Waste	Mulch Compost	Publically Collection / Privately Processed

10. Assistance for Backyard Composting

Does the county or its municipalities offer assistance for backyard composting? YES

Programs Offered: Education Programs, Demonstrations, Compost Bins

Number of Education Programs Conducted: 286

Number of Demonstrations Conducted: 286

Number of Compost Bins Distributed: 1,000

11. Disaster Debris or Storm Event

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

Has it been accepted by TEMA and FEMA?* YES

12. Recycling Services for Other Entities

Does the county or its municipalities offer recycling service to other entities: NO

13. What methods do the county and each municipality use to collect, transport and dispose of their MSW?

County/Municipality	Collector	Equipment Type and Quantity	Hauling Destination
Davidson – USD	Publicly & Contract	Front Loader: 12 Rear Loader: 18 Roll-off 6	Transfer Station

14. What methods do the county and each municipality use to collect, transport and process or recycling their commodities

County/Municipality	Collector	Equipment Type and Quantity	Hauling Destination
Davidson – USD	Publicly	Side Loader: 21 Rear Loader: 14 Roll-off: 5	Recycling Processing Facility

15. Education Efforts

Program	Attendees	Description
Dirt on Composting	15,671	The Dirt on Composting teaches the basics of composting, including backyard composting, vermiculture composting, and other composting options in Davidson County. This program covers what compost is and how it works to reduce food waste and help the environment. The workshops also teach participants the requirements for a healthy compost pile, including bin choices, the perfect compost recipe, and other tips. This program is suitable for schools, community groups, and any other organizations interested in composting. The program can include a reuse art project as well.
Music City Picks-up	516	Music City Pick-up is a 1 - 2 hour class that starts with a brief, interactive presentation on the importance of litter prevention and picking up waste in our community. After the presentation, Metro Public Works will provide gloves, litter grabbers, bags and other supplies to the participants to use during a litter pick-up around the community. Participants use the app Litterati to record and map the litter they collect. They then separate items into recyclable, compostable, and landfill piles, weigh the materials, and discover how much litter they collected and sent to the recycling. We finish with a reuse art project highlighting our commitment to keep Nashville beautiful.
Recycling Road Show	15,051	Curby's Recycling Roadshow is a 30-45 minute long interactive presentation on how to reduce, reuse, and recycle. Participants learn how to put these practices in place at home, at work, and at school, while also learning how to recycle right within Davidson County. This program is great for schools and can be used to set up a school-wide recycling system. The program wraps up with participants going back to the second R through a related reuse art project.

Visit the Recycling Center	732	Visit the Recycling Education Station at our local Material Recovery Facility (MRF) to learn about how to reduce, reuse and recycle. See what happens to your recyclables when you put them in your residential recycling cart or take them to a recycling drop-off site. Attendees participate in an interactive presentation and get to view the MRF in action. See how the machines and employees work to sort all of our materials and learn what happens to our items next. Programs are open to all ages and all attendees will receive a free small recycling bin at the end of the program.
Waste Reduction 101	1,068	Waste Reduction 101 is an overview on the importance of waste reduction and ways that we can reduce waste, including reducing, reusing, recycling, and rotting. This program will touch on each area of waste reduction, what Public Works is doing, and what resources are available city-wide. It can also be a hand- on activity that can be coupled with Music City Picks Up. This program is great for neighborhood and civic groups and businesses.

16. Funding options used by the county and its municipalities to fund programs:

Jurisdiction	Funding Type	3 Year Average
Metro Nashville & Davidson County	Surcharge	\$6.00
Metro Nashville & Davidson County	Disposal Fee	\$36.96
Metro Nashville & Davidson County	Property Taxes/General Fund	\$5,242,666.67
Metro Nashville & Davidson County	Sale of Recyclables	\$167,810.97
Metro Nashville & Davidson County	Grants	\$321,804.97

Contracts

Jurisdiction	Contractor	FY18 Budget	Start Date	End Date	Type	Services
Davidson	Republic	\$7,079,800.00	1/15/02	1/15/22	Contract	Disposal
Davidson	Red River	\$7,011,500.00	7/27/04	11/30/24	Contract	Collection
Davidson	Waste Industries	\$892,000.00	12/31/04	12/31/19	Contract	Collection
Davidson	Living Earth	\$757,800.00	11/30/16	11/30/26	Contract	Organics Processing

Are any of the above contracts considered an exclusive franchise? NO

17. Complete the follow section for the county and its municipalities that provide solid waste collection and/or recycling services.

Jurisdiction	Service Type	Part Time Employees	Full Time Employees
Davidson County – USD	Waste Collection	0	66
Davidson County – USD	Recycling Collection	0	50

18. Budget

Business Unit	Account Description	Budget Amount Balance
42801200 Total	Education/ Public Relations	341,600.00
42803100 Total	Metro Collection	10,525,400.00
42803300 Total	Downtown Business Collection	272,700.00
42803500 Total	Frontloader Collection	305,700.00
42803600 Total	Dead Animal Collection	61,500.00
42803700 Total	Brush & Yard Waste Collection	1,789,200.00
42804200 Total	Downtown Business Recycling	51,800.00
42804300 Total	Curbside Recycling	1,606,900.00
42804510 Total	Drop-off Recycling	308,400.00
42804520 Total	Convenience Centers	1,618,400.00
42804710 Total	Compost Program	830,100.00
42804800 Total	Household Hazardous Waste	273,400.00
42804900 Total	Tire Program	65,500.00
42805200 Total	Landfill Engineering	339,900.00
42805300 Total	Bordeaux Gas Utilization	8,000.00
42861110 Total	Administration	5,316,000.00
Grand Total		23,714,500.00

TDEC Survey Questions

1. What grants would the county and municipalities like to see TDEC promote in the next two years?

Waste reduction, Organics Management, Education & Outreach, Hub and Spoke, Technical Assistance, Convenience Centers, Access improvement/carts and new technologies

2. What are the county and municipalities biggest needs for this next calendar year? Grant demonstration of need and priority will be determined through answering these questions.

Equipment - New and upgraded equipment to replace older vehicles

Education & Outreach – Funding to continue and expand educational programs and outreach

Technical Assistance Providers – Provide funding for GNRC (Greater Nashville Regional County) to fund regional solid waste research.

3. Are there any policies, statutes, rules, protocols or ordinances that inhibit the county and municipalities from having effective programs?

Lack of state-wide material bans

4. Are there any parts or utility of the 10 Year Solid Waste and Materials Management Statewide Plan, Plan Update or Annual Progress Report the county and municipalities do not understand?

n/a

5. What role can Materials Management play to be the biggest resource to the county and its municipalities?

Continue to provide organics, education and equipment grant funding. Introduce legislation to support material bans and/or diversion goals for commercial/industrial entities including mandated C&D recycling/reuse.

6. What is needed in the county and municipalities to further waste reduction, recycling, diversion or end markets in Tennessee?

Provide economic development incentives and recruit recycling markets to the middle Tennessee area.

7. What do the county and municipalities plan to apply for next 18 month grant cycle?

TDEC Education and Outreach grant, TDEC Organics Management grant & TDEC Waste Reduction grant

8. §68-211-871(b) requires an annual progress report on the implementation of the regional comprehensive integrated municipal solid waste management plan. What steps are the county and municipalities taking locally to contribute to regional plan implementation?

All middle Tennessee counties, including Davidson, are working with the Greater Nashville Regional Council to develop a regional solid waste plan. GNRC hosts regular solid waste director's meetings and is developing the plan.

9. What areas would you like to see the Division of Solid Waste Management focus on in coming years to help the county and municipalities be successful implementing the Region's plan and programs?

Fund research/technical assistant to develop a regional solid waste authority.

2018 Landfill Report

MSW Landfill	2018 Tons	2017 Tons
Bi-County	2,676.97	1,679.19
Cedar Ridge	198,899.99	204,370.84
Meadow Branch	8.75	
Middle Point	511,279.44*	467,503.05
Decatur	2.23	
West Camden	254,832.49*	187,906.79
BFI North Shelby	128.73	17.00
Smith County	918.03	1,164.62
Total	968,746.63	862,641.49

*TDEC researching data

C&D Landfilled Tons	2018 Tons	2017 Tons
MS-COT		16,863.00
Southern Services	326,951.25	365,040.00
Smith County	211.02	78.73
Rutherford County		11,139.04
Bi-County	32,421.50	12,335.50
TOTAL	359,583.78	405,456.27

Recycling Report

Private Recycling Programs	2018 Tons	2017 Tons
Batteries/Automotive Fluids/HHW/Tires	1,885.47	1,074.84
C&D Recycling	1,229.05	2,188.35
Cardboard	56,600.52	47,225.91
Carpet/Pad	2,850.50	4,843.00
Food Waste	3,513.17	1,368.94
Glass	2,109.95	2,860.76
Grease	9,262.48	8,507.08
Metal/White Goods	110,091.36	97,573.68
Mixed Recyclables	18,580.81	14,733.55
Paper	35,891.63	16,070.87
Plastic	3,552.31	2,305.42
Textiles	4,059.00	7,518.00
Wood/Pallets	23,269.35	15,208.15
TOTAL	272,895.60	221,478.55

Public Recycling Programs	2018 Tons	2017 Tons
Automotive Fluids	37.93	43.79
Cardboard	3,003.91	2,863.73
Carpet/Pad/Textiles	35.77	77.38
E-Waste	112.06	196.27
Glass	2,829.01	2,366.91
Grease	5.73	9.33
HHW/Batteries	38.12	38.48
Metals	1,180.78	671.02
Mixed Plastic/Metal	1,091.60	918.56
Mixed Recyclables	13,625.22	13,435.61
Paper	1,774.41	1,953.21
Tires	7,056.40	7,100.58
Wood	31,225.45	37,326.81
TOTAL	62,016.39	67,001.68