

EXHIBIT O



Metropolitan Nashville and Davidson County Operator, Processor, Hauler/Collector Annual Recycling Report



January 1, 2020 through December 31, 2020

Name:	MTEC	Contact: Theresa Hanley	Phone: (615) 986-7860
Address:		Email: thanley@wm.com	Fax: 615-248-7931
4651 Amy Lynn Dr		Business Type	
City: Nashville		Operator of SW Facility <input type="checkbox"/>	Commercial In-house Recycling <input type="checkbox"/>
Zip: 37218		Recycling Processor <input type="checkbox"/>	
		Waste/Recycling Hauler/Collector <input type="checkbox"/>	

Commodity	TONS COLLECTED (Jan 1 through Dec 31)	Notes:
Metal		
Steel	570.60	
Tin		
Iron	66.41	
Copper		
Aluminum Beverage Cans		
All other Aluminum		
Bronze and Brass		
Mixed Metal		
Auto Body Scrap		
Oil Filters		
Fiber		
Sorted Office Paper		
Mixed Office Paper		
Old Newsprint Paper		
Old Corrugated Cardboard	56.41	
Mixed Paper		
All other grades		
Glass		
Flint (Clear) glass		
Green Glass		
Amber Glass		
Blue Glass		
Non-ABC		
Mixed Glass		
Plastic		
PET "1"		
HDPE "2"		
PVC "3"		
LDPE "4"		
PP "5"		
PS "6"		
Other "7"		
ABS		
Mixed 1 & 2		
Mixed 3 - 7		
Mixed All Plastics		
Batteries		
Lead Acid		



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Dry Cell		
Automotive Fluid		
Used Oil		
Antifreeze		
Transmission Fluid		
Other		
Other Recyclables		
Latex Paint		
White Goods/Appliance		
Textiles		
Carpet/Carpet Pad		
Pallets		
Cooking Oil/Grease		
Tires		
Electronics		
Mattresses		
Single Stream Recycling		
Other -		
Organic Recyclables		
Food – Compost		
Mulch/Wood Waste	22,271.25	Greenwaste - Tomado
Construction & Demolition Recycling		
Wood	5,090.75	
Concrete	1,375.00	
Drywall		
Mixed C&D Recyclables		
Program Total:		29,430.42

Guidelines:

Reports must be submitted to Metro Public Works on or by February 28th of each year. Reports must reflect all recycling collected, hauled, or processed from residents, businesses and institutions within the Metropolitan Davidson County for the previous calendar year.

Submit Reports by Mail:

Metro Public Works
Attention: Annual Report
750 S. 5th Street
Nashville, TN 37206

Submit Reports by Fax:

Attention: Annual Recycling Report
615-862-8799

Submitting Reports by Email:

sharon.smith@nashville.gov or clayton.hand@nashville.gov



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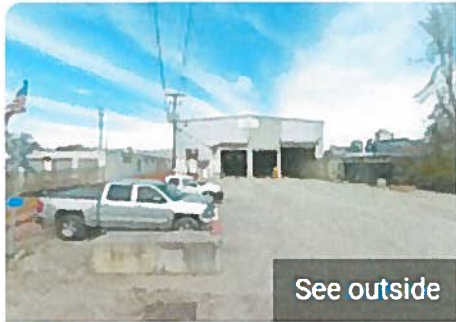


For the purpose of documenting the Metropolitan Government's progress in Solid Waste management, including source reduction, recycling and composting, all Owners or Operators of Solid Waste disposal points, processors, Haulers and Collectors, including exempted Persons, shall submit to the Director a report of the quantities of Solid Waste, residue, or Recyclable Materials collected, transported, processed or disposed of, including the destination of Recyclable Materials. **(Metropolitan Code 10.20.050.h)**

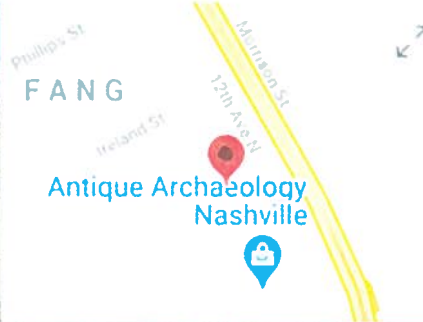
Every person collecting, hauling, disposing of waste and Recovered Materials, and/or any person providing permanent or temporary disposal of waste, and/or any person processing waste covered by this Article, shall provide the Director an annual report stating the amount of tons of waste collected, hauled, disposal and/or processes by said person. The Director may require said person to submit said report thru a certified independent audit firm. **(Metropolitan Code 10.20.395)**

The Director shall designate Environmental Enforcement Officers to inspect, investigate and enforce the provisions of this Chapter. A violation of any provision of this Chapter shall be subject to a fine of not more than fifty dollars for each day the violation continues. **(Metropolitan Code 10.20.090)**

EXHIBIT P



See outside



Permanently closed

Atomic Resource Recovery

[Directions](#)

[Save](#)

Address: 804 14th Ave N, Nashville, TN 37203

[Own this business?](#)

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EXHIBIT Q

Metro Nashville and Davidson County

2019 Annual Solid Waste Progress Report



**Davidson County
Solid Waste Region Board**

April 23, 2020

Administrative Contact Information

Regional Planning Contacts

Report Author:*Clayton Hand, Engineer
Organization:*Metro Nashville Public Works, 750 S. 5th Street, Nashville, TN 37206
Phone:*(615)862-5000
Email:*clayton.hand@nashville.gov

Solid Waste Regional Planning Board or Part 9 Authority

Chair:*John Sherman
Address:*526 Fairfax Ave, Nashville, TN 37212

Planning Board

Name	Representing	Term End
Beck-Taylor, Damita	Nashville & Davidson County	12/15/2024
Campbell, Heidi	Oak Hill	2/22/2021
Diehl, Robert	Nashville & Davidson County	12/31/2024
Hackett, Jennifer	Nashville & Davidson County	12/15/2023
Lockett, Midori	Nashville & Davidson County	12/15/2022
McCormick, Jeff	Goodlettsville	3/15/2021
Reardon, Beth	Belle Meade	1/5/2021
Repsher, Jason	Nashville & Davidson County	12/31/2024
Sherman, John	Nashville & Davidson County	12/15/2022
Smith, Lisa	Nashville & Davidson County	12/15/2022
Sullivan, Michael	Berry Hill	10/24/2023

Local Government Contacts

Local Government Mayor or Executive:*John Cooper, 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

Recycling Coordinator: Jenn Harrman, Waste Reduction Program Manger
Organization: Metro Nashville Public Works, 750 S. 5th Street, Nashville, TN 37206

10 Year and Plan Update

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. No

Annual Progress Report

1. Convenience Center

Center Name & Address	Permit	Hours/Phone	Acceptable Items
Anderson Lane Center 939A Anderson Lane, Madison, TN 37115	CCC190000168	Tue-Sat 7:30 AM – 11:30 AM & 12:30 PM- 4:30 PM (615) 860-2588	Metals, Paper, Glass, Plastic, Tires
East Center 943A Doctor Richard G. Adams Drive, 37207	CCC190000167	Mon, Tue, Thur, Fri, Sat 7:30 AM – 11:30 AM & 12:30 PM- 4:30 PM (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, Wed-Sat 7:30 AM – 11:00 AM & 12:00 PM- 4:30 PM (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 7:30 AM – 12:00 AM & 1:00 PM- 4:30 PM (615) 860-2588	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	139,349
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	1,800
City of Belle Meade	Contract	Weekly	Manual	Brush	1,150
City of Goodlettsville	Contract	Weekly	Semi-Automated	Brush, Bulky Waste, White Goods	4,820
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	Bag	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.

Cardboard, E-scrap, Yard Waste

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: 151

Number of Demonstrations Conducted: 151

Number of Compost Bins Distributed: 914

11. Disaster Debris or Storm Event

In the last year, did a disaster debris or storm event increase the tonnage of organics diversion or disposal for the county or its municipalities?* No

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	8,445	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	3,118	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	12,298	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	1,202	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	1,569	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	\$37.87
Metro Nashville & Davidson County	Property Taxes/General Fund	\$5,660,833.33
Metro Nashville & Davidson County	Sale of Recyclables	\$160,216.72
Metro Nashville & Davidson County	Grants	\$1,107,112.31

17. 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	\$6,877,500.00	7/27/04	11/30/24	Contract	Collection
Davidson	Waste Industries	\$875,000.00	12/31/19	12/31/24	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

18. 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	59
Davidson County – USD	Recycling Collection	0	49

19. Budget

Business Unit	Account Description	Budget Amount Balan
42801200	Education/Public Relations	371,900.00
42803100	Metro Collection	15,694,000.00
42803300	Downtown Business Collection	279,100.00
42803500	Frontloader Collection	323,200.00
42803600	Dead Animal Collection	66,500.00
42803700	Brush & Yardwaste Collection	1,904,700.00
42804200	Downtown Business Recycling	118,000.00
42804300	Curbside Recycling	1,711,000.00
42804510	Drop-off Recycling	471,400.00
42804520	Convenience Centers	2,176,900.00
42804710	Compost Program	824,600.00
42804800	Household Hazardous Waste	288,100.00
42804900	Tire Recycling	54,700.00
42805200	Landfill Engineering	346,000.00
42805300	Bordeaux Gas Utilization	8,000.00
42861110	Administration	5,350,500.00
Grant Total		29,988,600.00

TDEC Survey Questions

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

Recycling Equipment, Waste reduction, Organics Management, Education & Outreach, Hub and Spoke, Technical Assistance, Measurement

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

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

Lack of dedicated funding/enterprise fund

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?**

Technical assistance and grant funding

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

Middle Tennessee Counties could benefit from regional planning and expanded recycling options. It would be beneficial for TDEC to work with the State of Tennessee Economic Development to encourage more recycling and reuse industry in the region.

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

TDEC Education and Outreach 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?**

Through coordination with the Greater Nashville Regional Council, all Middle Tennessee solid waste directors meet monthly on regional planning and collaboration.

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?

More grant funding, reconvene the Top 5 Cities meetings, investigate recycling markets and encourage recycler to relocate to the region.

2019 Landfill Report

MSW Landfill	2018 Tons	2019 Tons
Bi-County	2,676.97	1,409.97
BFI North Shelby	128.73	
Cedar Ridge	198,899.99	310,603.92
Decatur	2.23	
Meadow Branch	8.75	1.04
Middle Point	511,279.44	464,228.65
Rhea County		.95
Smith County	918.03	509.24
West Camden	254,832.49	199,165.08
Total	968,746.63	975,918.85

C&D Landfilled Tons	2018 Tons	2019 Tons
Southern Services	326,951.25	357,119.88
Smith County	211.02	
Bi-County	32,421.50	
Rutherford County C&D		13.85
TOTAL	359,583.78	357,133.73

Recycling Report

Private Recycling Programs	2018 Tons	2019 Tons
Batteries/Automotive Fluids/HHW/Tires	1,885.47	1,465.52
C&D Recycling	1,229.05	1,636.39
Cardboard	56,600.52	45,405.13
Carpet/Pad	2,850.50	2,335.00
Food Waste	3,513.17	4,886.51
Glass	2,109.95	1,974.13
Grease	9,262.48	9,365.94
Metal/White Goods	110,091.36	92,128.22
Mixed Recyclables	18,580.81	20,142.78
Paper	35,891.63	16,751.12
Plastic	3,552.31	2,718.43
Textiles	4,059.00	3,245.39
Wood/Pallets	23,269.35	17,279.07
TOTAL	272,895.60	219,333.63

Public Recycling Programs	2018 Tons	2019 Tons
Automotive Fluids	37.93	36.54
Cardboard	3,003.91	2,925.24
Carpet/Pad/Textiles	35.77	27.02
E-Waste	112.06	110.19
Food Waste		23.17
Glass	2,829.01	2,413.55
Grease	5.73	10.66
HHW/Batteries	38.12	56.81
Metals	1,180.78	1,092.97
Mixed Plastic/Metal	1,091.60	880.34
Mixed Recyclables	13,625.22	12,665.41
Paper	1,774.41	1,597.87
Tires	7,056.40	6,208.90
Wood	31,225.45	36,960.32
TOTAL	62,016.39	65,008.99

EXHIBIT R



C&D Waste Generated Within Davidson County
And Disposed at the Southern Services Landfill

Southern Services LF	Yards	Tons
2017 - DAVIDSON CO	1,460,163.00	365,040.75
2018 - DAVIDSON CO	1,307,805.00	326,951.25
2019 - DAVIDSON CO	1,428,459.50	357,114.88
2020 - DAVIDSON CO	1,959,914.00	489,978.50