



Solid Waste and Materials Management Annual Report July 1, 2020 - June 30, 2021

Submit this form to Lgteam@ncdenr.gov by September 1, 2021.

On the following pages, you will find the Local Government Solid Waste and Materials Management Annual Report Form for Fiscal Year 2020-2021. Each North Carolina county and municipality is required to complete this report annually. Completion and submission of this report will fulfill the annual reporting mandate to the state as required by G.S. 130A-309.09A. Failure to complete and submit this report could result in the local government being excluded from distributions of Solid Waste Disposal Tax Proceeds and other Department of Environmental Quality grants.

Instructions

This form must be completed electronically using Adobe Reader. It is suggested that you complete the form using the latest version of Adobe Reader which can be downloaded for free at: <https://get.adobe.com/reader/>. Please **DO NOT** complete this form using Adobe Acrobat Pro.

Complete the form by entering responses in the appropriate fields using Adobe Reader. Please save a copy of the completed form to your computer for your records by using the "Save As" option. Name the file Community Name LGAR 2020-21. For example, Aberdeen LGAR 2020-21.

You can find your reports from previous years at: <https://deq.nc.gov/conservation/recycling/local-government-recycling-assistance/LGAR>

After completing and saving the report, please email the report to Lgteam@ncdenr.gov

If you need assistance completing or submitting this form, please feel free to contact one of the following Division of Environmental Assistance and Customer Service staff members:

Tara Nattress, phone: 919-707-8123, email: tara.nattress@ncdenr.gov

Carol Abken, phone: 919-707-8138, email: carol.abken@ncdenr.gov



Required: Select your Local Government Name

ORANGE COUNTY

State of North Carolina

Department of Environmental Quality

Division of Waste Management &

Division of Environmental Assistance and Customer Service

Local Government Report Form

COMPLETION AND SUBMISSION OF THIS REPORT WILL FULFILL THE ANNUAL REPORTING MANDATE TO THE STATE AS REQUIRED BY G.S. 130A-309.09A.

Please submit this form to Lgteam@ncdenr.gov by September 1, 2021.

If you have questions or need assistance completing this form, please call 919-707-8123 or 919-707-8138.

Person Completing This Report: Kristina Velasquez Witosky Title: Disposal Operations Manager
Mailing Address: 1207 Eubanks Road City: Chapel Hill Zip: 27516
Phone: 919-918-4916 Date: 08/31/2021
Email: kwitosky@orangecountync.gov

General Instructions

Please remember that the time period for the report is JULY 1, 2020 through JUNE 30, 2021. Please check "No" if you have nothing to report for a specific question.

- 1. Did your local government have a staff member who managed the recycling program for FY 20-21? [X] Yes [] No
If Yes, is recycling program management a full-time or part-time responsibility? [X] Full Time [] Part Time
If Yes, Name: Andrew Martin Title: Operations Manager
Address: 1207 Eubanks Road City: Chapel Hill Zip: 27516
Telephone: 919-918-4907 Email: amartin@orangecountync.gov
2. Did your local government have a Solid Waste Director or similar position for FY 20-21? [X] Yes [] No
If Yes, Name: Robert Williams Title: Solid Waste Management Director
Address: 1207 Eubanks Road City: Chapel Hill Zip: 27516
Telephone: 919-968-2788 Email: rowilliams@orangecountync.gov
3. Did your local government have dedicated or part-time Solid Waste Enforcement Staff for FY 20-21? [X] Yes [] No
If Yes, Name: Matt Taylor Title: Interim Environmental Enforcement Sup
Address: 1207 Eubanks Road City: Chapel Hill Zip: 27516
Telephone: 919-968-2788 Email: mtaylor@orangecountync.gov
4. Did your local government have solid waste ordinances in place addressing any of the following during FY 20-21? (if yes, please check all that apply)
[X] Disposal Bans [X] Illegal Dumping [X] Littering [X] Construction & Demolition [] Other:
5. Did your local government manage, provide or contract for any solid waste services in FY 20-21 (e.g., collection, disposal, recycling, mulching, composting)? [X] Yes [] No

If you answer "No" to question 5, the report is complete, please email to Lgteam@ncdenr.gov.

Part I. Waste Reduction and Recycling Programs Serving Government Facilities

6. Did your local government have a recycling program in place for collecting recyclable materials generated at public buildings in FY 20-21? Yes No
7. Did your local government have any program or policy encouraging or requiring local agencies to purchase products with recycled content in FY 20-21? Yes No
8. Did your local government have a program in place to collect and recycle spent fluorescent lights generated from the public buildings and facilities that were operated by your government in FY 20-21? Yes No

Part II. Waste Reduction and Recycling Programs Serving the Public

SOURCE REDUCTION / REUSE

9. Did your local government have a backyard composting program? Yes No
10. If yes, please check all backyard composting activities that apply:
 Education Demonstration site(s) Bin distribution/sales Number of Bins distributed? 108
11. Did your local government operate a program to promote source reduction efforts? Yes No
If yes, please check all source reduction programs that apply:
 Junk Mail Reduction Single Use Plastics Reduction Food Waste Reduction
 Promoting Reuse and Donation Other _____
12. Did your local government offer a waste exchange or reuse program? Yes No
13. If yes, please check all waste exchange and/or reuse programs that apply:
 Swap shop/shed Number of sheds in use? 4 Paint exchange Number of gallons recovered? _____
 Other (e.g. pallet exchange, etc.) "Fork It Over" OC residents/groups can borrow washable utensils

PUBLIC RECYCLING SERVICES

14. Which of the following responses best describes your recyclables recovery activities for the period July 1, 2020 through June 30, 2021? Choose **ONE** option that best applies.
- My local government **DID operate or contract** for a recyclables recovery program. **(please continue to question 15)**
- My local government **DID NOT operate or contract** for recyclables recovery **BUT DID partner** with another local government to operate or contract a recyclables recovery program. (Please identify the local government responsible for its operation and briefly explain the partnership; **then go to Part IV on page 7.**)
- With which local government did you partner and what is the arrangement?

- My local government **DID NOT operate, contract or participate** in a recycling program. **(Go to Part IV on page 7.)**

CURBSIDE RECYCLING PROGRAM

15. Did your government operate a Curbside Recycling Program? Yes No, skip to question # 25
16. Who collected the recyclable materials for your local government's curbside recycling program?
- Local government employees
- Private contractor (please specify) Green For Life-GFL (formerly Waste Industries) for urban curbside only. Rural I
- Franchised hauler (please specify) _____
- Other (please specify) OC Solid Waste Employees for Rural Curbside

17. Please provide the following information about your community:
- a. Total number of households in your jurisdiction? 62,517
 - b. Number of households eligible to participate in the curbside recycling program: 43,338
 - c. Provide the **number of households** that participate in the curbside recycling program (estimate if necessary): 32,070
18. If your curbside recycling program is operated by a **franchised hauler** then please answer the following:
 Is public participation in the franchise: Voluntary or Mandatory
 Does your franchise consist of: One service district or Multiple service districts
19. What sector(s) of your community was served by the curbside recycling program?
 Residential Commercial Industrial
20. If you checked commercial or industrial in question 19, please indicate the number of accounts served: 400
21. How frequently were the curbside recyclables collected?
 Once a week Every other week / biweekly
 Other Weekly in urban single family, every other week in rural single family
22. Please describe the collection containers used:
 Bins Blue bags
 Multi-bin system Roll-out carts
23. Please describe the method of recycling collection:
 curb-sort (collector separates material as collected) single stream / commingled
 dual / two stream don't know / other
24. Do residents sign up for curbside recycling service or are they automatically included?
 Sign up
 Automatically included

DROP-OFF RECYCLING PROGRAM

25. Did your government operate a Drop-off Recycling Program? Yes No, skip to question # 32
26. Who collected the recyclable materials for your local government's drop-off recycling program?
 Local government employees
 Private contractor
 Other (please specify) _____
27. Please describe the method / style of recyclable materials handling for your drop-off recycling program:
 source-separated (citizens separate materials by type) single stream / commingled
 dual / two stream (paper separated from cans/bottles) don't know / other
28. Please estimate the number of households served by your drop-off recycling program. 62,517
29. What sector(s) of your community are served by the drop-off recycling program? Residential Commercial Industrial
30. How many drop-off locations did you provide for the citizens in your jurisdiction? Number of Sites: 9
31. How many of these locations were staffed with attendants? All None Some please list # of staffed sites: 5

ELECTRONICS RECYCLING PROGRAM

32. Did your community operate an electronics recycling program in FY 20-21? Yes No, skip to question # 38
 If you did operate an electronics recycling program, please indicate style of program:
 Permanent - Curbside Collection Permanent - Drop-off Scheduled Collection Day or Event Part of HHW Program
 If you offer curbside collection of electronics is it: by appointment or unscheduled
 If you operate a drop-off electronics program, how many collection sites do you provide? Number of Sites: 5

33. Did your electronics recycling program collect or accept televisions from (check all that apply): Residences Businesses
34. Did your electronics recycling program collect or accept computer equipment from (check all that apply): Residences Businesses
35. Annually, DEQ distributes funds to eligible units of local government. If your unit of local government received a distribution from the Electronics Management Fund in February 2021, please provide the following information:
 Electronics Management Fund balance as of July 1, 2020: \$ 0.00
 Electronics Management Funds received from DEQ during FY 20-21 (Feb 2021 distribution): \$ 15,985.65
 Electronics Management Funds spent during FY 20-21: \$ 15,985.65
 Electronics Management Fund balance as of June 30, 2021: \$ 0.00
 Total spent on electronics recycling program FY 20-21 (Electronics Management Funds plus additional funds): \$ 113,967.12

36. Explain how Electronics Management Funds were used during FY 20-21 (list items purchased if applicable):

General support of all Solid Waste Management Activities - treated as revenue to the Solid Waste Management enterprise fund.

37. Name of electronics recycler(s) used during FY 20-21: Synergy

Does the electronics recycler(s) used have either the e-Steward or R2 certification? Yes No

OTHER PUBLIC RECYCLING PROGRAMS

List only programs operated or contracted for by the local government. The tonnage of any materials collected by the following programs should be listed in the "Other" column in the Recycling Tonnages Chart on pg 5.

38. Did your local government operate a multifamily recycling collection program that provides on-property recycling service for residents of multifamily properties in a manner other than through your curbside or drop-off recycling programs? Yes No
39. Did your local government operate a recycling program to serve commercial or institutional members of your community in a manner other than through your curbside or drop-off recycling programs? Yes No
40. Does your local government provide recycling services to Alcoholic Beverage Commission permit holders? Yes No
 On-site collection services provided If on-site collection provided, please estimate # of ABC accounts served: 120
 Public drop-off recycling sites available for ABC On Premises Permit holders to use
41. Does your local government operate a program to recycle Construction and Demolition materials? Yes No
 If yes, please check all materials that were recycled and report tonnages in tonnage table on page 5:
 Clean Wood Brick, concrete, etc. Sheetrock Vinyl siding Shingles Metals Other
42. Please identify all Away From Home / Recycling On The Go programs or services operated by your government during FY 20-21. (check all that apply and if possible indicate tonnages on page 5 in "Other" column)
 Public Parks Recycling Program Athletic Field /Venue Recycling Program
 Pedestrian Recycling Program Recycling Service for Special Events / Festivals
43. Please identify all "Other" programs or services operated by your government during FY 20-21. (check all that apply and if possible indicate tonnages on page 5 in "Other" column)
 Public School Recycling Program
 Scheduled Collection Drives (e.g. confidential document shredding event held quarterly, once a year, etc.)
 Lend-a-Bin Program where local government provides recycling containers to community organizations for use at events
 Organics / Food Waste Recycling other than yard waste program
 If yes, what type? Drop-off Curbside Pilot Other: collections at select restaurants, etc
 Oyster Shell Recycling Program
 Other Programs (please specify) plastic film,cooking oil,textiles,conf shred pape

Programs to manage Special Wastes are addressed in Part III on page 6, please do not include Special Waste programs above.

RECYCLING TONNAGES FROM PUBLIC PROGRAMS

44. a. Enter data in the table below for ALL recycling programs operated or contracted for by your local government. Provide TONNAGES (or estimates) for each material collected for the period JULY 1, 2020 through JUNE 30, 2021.
- b. Do NOT report yard waste, tires, HHW, used oil, batteries or other special wastes on this page - these are covered later in the report.
- c. If you collected single stream or other commingled materials, record tons in the "Commingled tons" row and then X the boxes beside each material type above for all items included.

PROGRAM	Curbside		Drop-off		All "Other" Programs		Total Tons (totals are calculated by form)
	<input type="checkbox"/> if Yes	Tons	<input type="checkbox"/> if Yes	Tons	<input type="checkbox"/> if Yes	Tons	
GLASS:							
Clear	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Brown	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Green	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Mixed	<input checked="" type="checkbox"/>	31.66	<input checked="" type="checkbox"/>	270.47	<input checked="" type="checkbox"/>	112.09	414.22
PLASTIC:							
PET #1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
HDPE #2	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
All Plastic Bottles	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	156.69	156.69
Other Plastic Containers	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Bulky Rigid Plastics	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
METAL:							
Aluminum Cans	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Steel Cans	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
PAPER:							
Newsprint (ONP)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Cardboard (OCC)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	1,385.43	<input checked="" type="checkbox"/>	154.00	1,539.43
Magazines (OMG)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Office Paper	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Mixed / Other Paper	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
Cartons / Aseptic Containers	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		0.00
WOOD:							
Pallets	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>	261.27	261.27
Other Wood - DO NOT report yard waste tons here	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>	13.75	13.75
ELECTRONICS:							
Televisions	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>		0.00
Computer Equipment	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>		0.00
Other Electronics	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>	222.95	222.95
OTHER MATERIALS:							
Textiles (clothes etc...)	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>	40.00	40.00
C&D Materials Recycling	<i>Report all tons in Other column</i>				<input type="checkbox"/>		0.00
White Goods	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>	385.67	385.67
Other Scrap Metal	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>	1,159.78	1,159.78
Food Waste	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>	460.93	460.93
Oyster Shells	<i>Report all tons in Other column</i>				<input checked="" type="checkbox"/>	4.17	4.17
Commingled tons* (x boxes above for all items included)	<input checked="" type="checkbox"/>	9,097.40	<input checked="" type="checkbox"/>	1,292.72	<input checked="" type="checkbox"/>	1,501.08	11,891.20
TOTAL TONS:		9,129.06		2,948.62		4,472.38	16,550.06

45. *If you checked commingled, which material recovery facility (MRF) does your community use? Sonoco MRF, Raleigh, NC
A MRF is the plant that separates commingled recyclables into marketable commodities (paper, plastic, metals, glass)
- a. Do you have a formal contract with the MRF? Yes No If yes, what month/year does it expire? June 2021
- b. Do you know your inbound contamination level at your MRF? Yes No
Inbound contamination is the amount of non-recyclable materials in commingled loads delivered to the MRF.
 If yes, what is the inbound contamination percentage? less than 10%

46. **RECYCLING TONNAGE AS A RESULT OF POLICY OR ORDINANCE:** complete this section for materials that were recycled as a result of local government ordinances or policies but that were NOT collected or managed directly by your local government recycling program. E.g. a cardboard disposal ban results in private cardboard recycling (and you have a way to track the tons collected)

Material Type	Tons Diverted	Describe the mechanism that caused these materials to be recovered and data collection method
OCC		Regulated Recyclable Materials Ordinance(RRMO)prohibits landfilling of OCC,scrap metal &
Scrap Metal & C		Regulated Recyclable Materials Ordinance(RRMO)prohibits landfilling of OCC,scrap metal

Part III. Special Waste Collections

Please provide data below for services provided to the public. Please do not include materials that were accepted and then disposed of in a landfill. Do not include materials generated exclusively by government operations (e.g. motor-fleet services). Question 47 is about materials accepted outside of any Household Hazardous Waste (HHW) Program or event. If special wastes were only accepted as a part of an HHW Program/Event and were not collected by separate recycling efforts then report in #48, not in #47.

Special wastes are materials collected at convenience centers, transfer stations, landfills, etc. Do not include materials collected at household hazardous waste permanent collection facilities or household hazardous waste temporary collection events.

47. Special Waste Programs for Collecting Materials from Citizens by Material Type	Did program collect this material from the public?	# of sites	Data on quantities collected / managed. Please report in indicated units.			
Used Motor Oil	<input checked="" type="checkbox"/> Yes	5	21,304			gallons
Used Oil Filters	<input checked="" type="checkbox"/> Yes	5	53.00	barrels, or		lbs
Used Antifreeze	<input checked="" type="checkbox"/> Yes	5	1,508			gallons
Batteries, Lead Acid (Auto)	<input checked="" type="checkbox"/> Yes	5	197	# batteries, or		lbs
Batteries, Dry Cell (Household)	<input checked="" type="checkbox"/> Yes	5				lbs
Fluorescent Bulbs/Lights Containing Mercury	<input checked="" type="checkbox"/> Yes	2		lbs, or	6,635	# bulbs
Propane Tanks	<input checked="" type="checkbox"/> Yes	1		lbs, or	324	# tanks
Used Cooking Oil / Waste Vegetable Oil	<input checked="" type="checkbox"/> Yes	2	18,233	lbs, or		gallons
Other Special Wastes - please provide waste type here: _____	<input type="checkbox"/> Yes					lbs
Pesticide Containers (NCDA Program, not pesticides themselves)	<input type="checkbox"/> Yes			lbs, or		# containers
NCDA Pesticide Disposal Assistance Program (for management of pesticides, not containers)	<input type="checkbox"/> Yes					lbs
Latex Paint (do not include paint collected at HHW event or by a paint exchange program)	<input type="checkbox"/> Yes			gals, or		lbs

Household Hazardous Waste (HHW) Collection Program - Fiscal Year 2020-2021

48. Did your local government operate a permanent HHW collection facility or temporary collection event? Yes No
 If Yes, please respond to the following questions:
- Was HHW collected at a permanent collection facility or temporary collection event? Permanent Temp. Event
 How many permanent collection facilities (sites) do you operate? 2 How many temporary events? _____
 - How many days did all HHW collection programs operate (number of days operated out of 365)? 298
 - Did your local government partner the HHW program or event with another local government or business? Yes No
 Please list partner(s) Towns of Carrboro, Chapel Hill and Hillsborough
 - How many households/residences participated in your HHW collection program? 12,432
 - Did your program accept materials from VSQG (Very Small Quantity Generators) businesses? Yes No
 If yes, please provide or estimate the amount of VSQG material collected: _____ pounds
 - Provide the amount of materials collected by the HHW program for the fiscal year 208,196 pounds
 Do not include (subtract out) any tons that are included elsewhere in this report (e.g., electronics reported in #44 or special waste reported in #47).
 - List all the HHW disposal and HHW recycling contractors: Tredebe, CleanLites, Noble Oil, Interstate
 - What is the fiscal year cost to operate the HHW collection program? 261,909.69

Part IV. Yard Waste, Mulching and Composting Management

Yard waste may not be disposed in sanitary landfills, incinerators, or in unpermitted sites and it is illegal to burn. Do not include information on food waste or non-vegetative materials in this section.

49. Does your local government operate a yard waste program? Yes No If yes please indicate how yard waste is managed by checking all that apply: Collected curbside Collected at convenience center Received at yard waste, compost, or LCID facil.
50. Did a storm event significantly impact the amount of yard waste your government managed during FY 20-21? Yes No
51. What quantities of materials were managed by your yard waste program? **Provide information in TONS OR CUBIC YARDS of organic material (yard waste, brush, limbs, leaves, etc.) managed.** For conversion purposes, use 400 lbs./cubic yd.

Destination	Check if used	Tons		Cubic Yards	Facility Name and Location
End user (to farmer or home-owner)	<input type="checkbox"/>		or		
Your local government's mulch or compost facility	<input checked="" type="checkbox"/>	8,100.68	or		OC LF and Disposal Ops Facility, Chapel
Other public mulch or compost facility	<input type="checkbox"/>		or		
Private mulch or compost facility	<input type="checkbox"/>		or		
Land clearing and inert debris landfill (LCID)	<input checked="" type="checkbox"/>	613.36	or		OC CDLF - Chapel Hill, NC
Energy / Fuel Use (e.g. boiler fuel market)	<input type="checkbox"/>		or		
Total		8,714.04	or	0.00	

YARD WASTE MANAGEMENT FORMULA: If yard waste quantities are not tracked, you may use this formula below to help you estimate yard waste volume. Calculate for each truck used in your yard waste management program, and then enter the grand total volume managed by program in the appropriate boxes above. *Ex. 10 cubic yard truck x 3 days/wk x 16 wks = 480 cubic yards*

$$\frac{\text{Size of Truck (in yards)}}{\text{X}} \times \frac{\text{Avg. no. of times truck fills each week}}{\text{X}} \times \frac{\text{\# of weeks truck is used during year}}{\text{X}} = \text{0.00} \text{ cubic yards}$$

Size of Truck (in yards) Avg. no. of times truck fills each week # of weeks truck is used during year TOTAL

Part V. Solid Waste Collection Services

52. Please complete the following table about your government's solid waste (garbage) collection system.

Sector	Who Collects Solid Waste?				How is Solid Waste Collected?			Who Collects Solid Waste?	How is Solid Waste Collected?	
	Insert Letter - see codes at right		Insert # - see codes at right		Insert # - see codes at right					
Residential	Primary	a	Secondary	d	Primary	3	Secondary	1	a. Local government employees b. By Contract c. Franchise haulers d. Local government not involved in provision of service	1. Once a week at household 2. Twice a week at household 3. Convenience center/greenbox 4. As needed or by request 5. Daily 6. Other
Commercial	Primary	d	Secondary	d	Primary	1	Secondary	4		
Industrial	Primary	d	Secondary	d	Primary	4	Secondary	4		

53. If you provide residential waste collection at single-family households in your jurisdiction, please answer the following questions:

- What type of collection method is used? Fully Automated Semi-Automated Manual Don't know
- What is the standard collection frequency? Weekly Two times per week Other
- What is the typical service point for single family household waste? Curbside Back yard / Back door
- What type of collection container is used? Government-provided carts Resident-provided container Bags
- Do you offer bulky waste collection services? Yes No

54. For municipalities - did your government collect white goods at the curb? Yes No
If so, were white goods delivered to the county for marketing? Yes No

Part VI. Solid Waste and Recycling Educational Activities

55. Does your local government have an education program about solid waste and/or recycling program/activities? Yes No
If yes, do you utilize any of the DEACS-provided templates (Recycle Right NC)? Yes No

Available at <https://deq.nc.gov/conservation/recycling/general-recycling-information/customized-outreach-materials>

Do you use any recycling educational enforcement strategies?

- Cart tagging Collection App Other (please describe): _____

56. Please estimate your annual budget for solid waste and recycling education/outreach activities: \$ 151,126.01

57. Do you offer education materials in languages besides English? Yes No Other language(s): Span, Mandarin, Arabic, Kar

Part VII. Resources for Solid Waste Management and Full Cost Accounting

58. Did your local government operate an Enterprise Fund for solid waste services in FY 20-21? Yes No
59. NC Solid Waste Disposal Tax proceeds are distributed to eligible local governments on a quarterly basis by the Department of Revenue. According to GS 105-187.63 these funds must be used by a city or county solely for solid waste management programs and services. Did your local government receive Solid Waste Disposal Tax distributions? Yes No
- If yes, how are disposal tax distributions being used? For general support of the Solid Waste Enterprise Fund

60. What other funding sources does your local government use?
- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Tipping fees | <input type="checkbox"/> Volume/weight-based fees (e.g. PAYT) | <input checked="" type="checkbox"/> Tire tax |
| <input type="checkbox"/> Property taxes / general fund | <input checked="" type="checkbox"/> Sale of recyclables | <input checked="" type="checkbox"/> White Goods tax |
| <input checked="" type="checkbox"/> Per household charges | <input checked="" type="checkbox"/> Grants | |

61. If applicable, please provide your FY 20-21 household fees (follow example format):
- ex: \$ 75.00 per year per household for solid waste
- a. \$ _____ per _____ per _____ for solid waste
- b. \$ _____ per _____ per _____ for recycling
- c. \$ _____ per _____ per _____ for yard waste
- d. \$ _____ per _____ per _____ for bulky waste
- e. \$ 142.00 per year per habitable struc availability fee
- f. \$ 142.00 per year per hab structure total charge

62. Did your local government operate a Pay-As-You-Throw program for residential garbage during FY 20-21? (a system where residents are charged a fee by weight or volume for the amount of trash they discard) Yes No

According to GS 130A-309.08, local governments are required to conduct full cost accounting annually and inform users of such costs.

63. If your local government contracts for solid waste or recycling services:

	Annual Contract Amount	Month/Year of Contract Expiration
Solid Waste Services Contract	\$ _____	_____
Recycling Contract	\$ <u>1,700,000.00</u>	<u>JUNE/2024</u>
OR: Combined Contract (solid waste & recycling)	\$ _____	_____

64. Collection Programs: Please complete the following table to the best of your ability to display the full costs of your local government's collection programs for waste, recyclables and yard waste including materials collected from convenience centers. **If full cost analysis is not available, please report program budget in Total Cost column.**

	# of Households served	Tons Collected	Collection Cost	Disposal Cost (tipping fees paid)	Total Cost including overhead	Cost Per Ton Managed (calculated by form)
Municipal Solid Waste*	<u>62,517</u>	<u>6,815.50</u>	<u>872,672.00</u>	<u>517,973.11</u>	<u>1,390,645.20</u>	<u>204.04</u>
Recycling Program**	<u>43,338</u>	<u>16,510.00</u>	<u>2,910,620.12</u>	<u>394,826.17</u>	<u>3,305,446.29</u>	<u>200.21</u>
Yard Waste Program	<u>43,338</u>	<u>8,100.68</u>	<u>315,000.00</u>	<u>0.00</u>	<u>396,900.00</u>	<u>49.00</u>
Totals (calculated by form):	<u>31,426.18</u>	<u>4,098,292.12</u>	<u>912,799.28</u>	<u>5,092,991.49</u>	<u>162.06</u>	

*for materials collected and sent for eventual disposal in a Municipal Solid Waste or Construction and Demolition Landfill.

**for materials collected by public recycling programs, reported in the Table on page 5. Do not include special waste services.

65. If your government operates a landfill, transfer station, yard waste /compost facility or recycling facility, please provide the total budget for facility operations (round to nearest dollar). If budgets for different facilities are combined, please attempt to allocate costs proportionately.
- Landfill Budget: \$ 1,769,188.00
- Transfer Station Budget: \$ _____
- Yard Waste / Compost Facility Budget: \$ 512,457.00
- Recycling Facility Budget: \$ 4,795,642.00

66. What was your government's total combined annual budget for all solid waste and recycling services in 20-21? \$ 12,204,983.00

Part VIII. Mandated Programs

Only Counties need to complete questions 67 through 85. Part VIII is applicable to NCGS Chapter 130A - Article 9, Part 2D, "Management of Discarded White Goods" and Part 2B, "Scrap Tire Disposal Act." **Municipalities** should skip to Part IX on page 11.

WHITE GOODS

67. Please provide contact information for the person responsible for the white goods program.

Name: Kristina Velasquez Witosky Title: Disposal Operations Manager
 Mailing Address: 1207 Eubanks Road City: Chapel Hill Zip: 27516
 Phone: 919-918-4916 Email: kwitosky@orangecountync.gov

68. Please provide the physical address of the primary County white goods collection site.

Physical Address: 1514 Eubanks Road, Chapel Hill, NC 27516
 GPS Coordinates (decimal degree system): 35.9692789, -79.0834183

69. Please provide contact information and license number of the person(s) that removes refrigerants from white goods.

Name: Warren Lee Cloer Name: Samuel K. Albright
 Refrigerant Extraction License #: 0505925102900 Refrigerant Extraction License #: 689933102830
 Mailing Address: 1207 Eubanks Rd, Chapel Hill 27516 Mailing Address: 1207 Eubanks Rd, Chapel Hill 27516
 Phone: 919-968-2788 Email: leecloer@orangecounty Phone: 919-968-2788 Email: tlunford@orangecounty

70. Provide the types and amounts of refrigerants removed from white goods.

Type of Refrigerants Removed	Amount
R134A	181 ounces
R12	72 ounces
R22	111 ounces
410A	162 ounces

71. Refrigerants may be recycled or sent for destruction. Provide the business, method of disposal and amount earned / paid.

Business Name and Phone Number	Method of Disposal	Amount Earned	Amount Paid
Tradebe Environmental Services 219-397-3951	Recycling		45.17

72. Tons of white goods received: 385.67
 Tons of white goods from cleanup activities: 0.00
 Total Tons (also list in #44 on page 5): 385.67 Reported in #44 on page 5? Yes No

73. NCDOR White Goods Disposal Tax Proceeds Distribution
 Total (Aug, Nov, Feb and May) \$ 77,720.79
 Monies earned from the sale of white goods \$ 47,282.01
 Monies earned from the sale of extracted refrigerants \$ _____
 Monies from other sources \$ _____
 Total Revenue: \$ 125,002.80

74. The NCGS Management of Discarded White Goods requires that the white goods tax proceeds distributions be used for the management of discarded white goods. Provide the amounts and types of expenditures the white goods tax proceeds distributions were used for:

Capital Improvements: \$ _____
 Operating Costs: \$ 153,994.80
 Cleanup of Illegal Disposal Sites: \$ _____
 Other: \$ _____ describe: _____
 Total Expenditures: \$ 153,994.80

SCRAP TIRES

75. Please provide contact information for the person responsible for the scrap tire program.

Name: Kristina Velasquez Witosky Title: Disposal Operations Manager
 Mailing Address: 1207 Eubanks Road City: Chapel Hill Zip: 27516
 Phone: 919-918-4916 Email: kwtosky@orangecountync.gov

76. Please provide the physical address of the primary scrap tire collection site.

Physical Address: 1514 Eubanks Road, Chapel Hill, NC 27516
 GPS Coordinates (decimal degree system): 35.9692789, -79.0834183

77. Scrap Tire Management Program - Tons Collected July 1, 2020 - June 30, 2021

Tons of scrap tires certified as originated in NC in the normal course of business	<u>1,273.15</u>	Tons
Tons of scrap tires from cleanup activities - costs reimbursed by DEQ	<u> </u>	Tons
Tons of scrap tires from fees charged	<u>22.08</u>	Tons
Tons of scrap tires no fees charged - costs not reimbursed by DEQ	<u> </u>	Tons
Total Tons:	<u>1,295.23</u>	Tons

78. Indicate the types of scrap tires received:

Passenger 85 % Truck 10 % Off-Road 4 % Agricultural 1 % Cleanup % Out of State %

79. Scrap Tire Management Program - Revenue July 1, 2020 - June 30, 2021

NCDOR Scrap Tire Disposal Tax Proceeds Distributions Total (Aug, Nov, Feb, May) \$ 211,764.21
 Scrap Tire Disposal Account Fund Grants (if applicable: Jul and Jan) \$
 Scrap Tire Cleanup Reimbursements from DEQ: \$
 Scrap Tire fees collected: \$ 2,208.00
 Total Revenue: \$ 213,972.21

80. Scrap Tire Management Program - Expenditures July 1, 2020 - June 30, 2021

FY contract cost for disposal/processing: 104,671.00
 FY contract cost for shipping - if known:
 Additional scrap tire management program costs: 15,300.00 describe: management of tires, loading trailers
 Total Expenditures: 119,971.00
 Contract cost per ton for disposal/processing: 73.50

81. Scrap Tire Disposal/Processing Company

Company Name: New River Tire Recycling LLC Phone: 276-728-0201 Email: ntroffice@yahoo.com
 Physical Address: 312 East 52 Bypass Pilot Mountain NC 27041

82. If scrap tires were not hauled off site for treatment or disposal in a tire monofill, were they cut and disposed of in a MSW landfill? Yes No If yes, how many tons? 83. Suggestions for scrap tire disposal tax proceeds distribution alternatives: making it easier for scrap tire acceptance sites to determine if tire seller has paid the required fees top state84. Scrap tire management program limitations, other than money: need for more end markets for scrap tires**MANAGEMENT OF ABANDONED MANUFACTURED HOMES BY COUNTIES**

85. Has your county considered whether to implement a program for the management of abandoned manufactured homes? Yes No
 If yes, has your county developed a written plan for the management of abandoned manufactured homes? Yes No

Part IX. Disaster Preparedness - COUNTIES and MUNICIPALITIES

TEMPORARY DISASTER DEBRIS STAGING SITES

86. Does your local government have a plan in place for management of disaster debris? Yes No
 If yes, indicate if the plan is a stand-alone plan or in conjunction with local government agencies: Stand-alone In conjunction
87. If you indicated having a plan, has the plan been reviewed by N.C. Emergency Management or FEMA to ensure it meets the basic requirements for public assistance reimbursement in a declared disaster event? Yes No
88. Please list the name, contact numbers(s), and e-mail address of the person(s) in charge of the disaster debris management program for your local government:
- | | | |
|--|--|---------------|
| Name: <u>Bruce Woody</u> | Name: <u>Kristina Velasquez Witosky</u> | Name: _____ |
| Phone: <u>919-918-4913</u> | Phone: <u>919-918-4916</u> | Phone: _____ |
| E-mail: <u>bwoody@orangecountync.gov</u> | E-mail: <u>kwitosky@orangecountync.gov</u> | E-mail: _____ |
89. Please list the temporary disaster debris staging sites in your county or municipality which have been reviewed for conflicts with the Natural Heritage Program (NHP) and the State Historic Preservation Office (SHPO) through coordination with the Solid Waste Section. *Please note that the vetting of a site prior to a disaster is advantageous to local governments because a staging site which is found to have impacted federal or state resources after a disaster may cause difficulty for local governments when attempting to obtain FEMA reimbursement. Attach extra sheets, if needed.*
- | Disaster Site # | Site Name | Disaster Site # | Site Name |
|-----------------|--|-----------------|-----------|
| 1 | Orange County Disposal Center/Landfill | | |
| 2 | Millhouse Road site 6823 Millhouse Road | | |
| 3 | Mincey Road site 36D 8" 27.77N, 79.3' 4" | | |
| | | | |
| | | | |
90. Does your plan address the management of: Household hazardous waste Mass animal mortality
 Abandoned vessels White goods
91. Does your plan include coordination with NC DOT on clearing roads and waste in the right of way? Yes No

Part X. Comments

Use this section to elaborate on any info provided in your report as necessary. Have there been major changes to your recycling or solid waste program since last year? Do you expect upcoming changes to your programs? How were your programs affected by COVID-19? Do you have new or updated ordinances that affect your programs? You may submit additional sheets if needed.

Editor notes (DH and SS): David checked on special wastes. Corrected figures sent for antifreeze, fluorescent bulbs and cooking oil. From Orange County:

"#47 Anti-freeze: We have actual documentation that antifreeze collected from OC WRC's is 1,508 gallons. We are looking at our information more closely with supported documentation to provide more accurate monitoring of this material.

Fluorescent bulbs/mercury: We have documentation that shows that the number of fluorescent bulbs collected from OC Solid Waste was 6,635 for FY 2020-2021. It is being determined that with better accounting of the material and residents being home due to Covid has attributed to this increase. Going forward OCSWM will report in the number of bulbs.

Cooking Oil: We have actual documentation that the cooking oil received at Orange County Solid Waste Management for FY 2020-2021 is 18,232.5 pounds or 2,431 gallons (7.5 X 2,431 = 18,232.5 lbs.) We are believing that this increase is due to more accurate monitoring and that Covid has changed the frequency of residents trips (increased in volume) to disposed of the material."

Editor's Note (TN): moved tonnage from bulky rigid plastics to 'all plastic bottles' for QC

This form is to be submitted electronically. If you require assistance, please contact one of these NC DEACS staff members:

Tara Nattress, email: tara.nattress@ncdenr.gov phone 919-707-8123

Carol Abken, email: carol.abken@ncdenr.gov phone: 919-707-8138

THIS FORM IS DUE SEPTEMBER 1, 2021

The Division of Environmental Assistance and Customer Service Local Government Assistance Team is ready to assist you in any way we can. Please visit <https://deq.nc.gov/conservation/recycling/local-government-recycling-assistance> or e-mail us at Lgteam@ncdenr.gov

