



## **Solid Waste and Materials Management Annual Report** **July 1, 2018 - June 30, 2019**

**Submit this form to [Lgteam@ncdenr.gov](mailto:Lgteam@ncdenr.gov) by September 1, 2019.**

**On the following pages, you will find the Local Government Solid Waste and Materials Management Annual Report Form for Fiscal Year 2018-2019. 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**

You can download a blank copy of this form from this web site: <http://deq.nc.gov/about/divisions/waste-management/solidwaste-section/annual-reporting>

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 2018-19. For example, Aberdeen LGAR 2018-19.

After completing the report form, please submit a copy electronically to the Division of Environmental Assistance and Customer Service by attaching the report file to an email to [Lgteam@ncdenr.gov](mailto: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:

Sandy Skolochenko, phone: 919-707-8147, email: [sandy.skolochenko@ncdenr.gov](mailto:sandy.skolochenko@ncdenr.gov)

Matt James, phone: 919-707-8133, email: [matt.james@ncdenr.gov](mailto:matt.james@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](mailto:Lgteam@ncdenr.gov) by September 1, 2019.**

*If you have questions or need assistance completing this form, please call 919-707-8147 or 919-707-8133.*

Person Completing This Report: Blair Pollock and Cheryl Young Title: Solid Waste Planner and Solid Waste Data  
Mailing Address: PO Box 17177 City: Chapel Hill Zip: 27516  
Phone: 919 968-2788 Date: August 30, 2019  
Email: bpollock@orangecountync.gov AND cyoung@orangecountync.gov

### General Instructions

Please remember that the time period for the report is JULY 1, 2018 through JUNE 30, 2019. Please check "No" if you have nothing to report for a specific question.

1. Did your local government have a Recycling Coordinator or similar position for FY 18-19?  Yes  No

Name Recycling Coordinator (if different from person completing this report.)

Name: Evan Brown Title: Recycling Programs Manager  
Address: PO Box 17177 City: Chapel Hill Zip: 27516  
Telephone: 919 968 2788 Email: ebrown@orangecountync.gov

2. Did your local government have a Solid Waste Director or similar position for FY 18-19?  Yes  No

If Yes, Name: Robert Williams Title: Solid Waste Management Director  
Address: PO Box 17177 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 18-19?  Yes  No

If Yes, Name: Matt Taylor Title: Solid Waste Environmental Enforcement  
Address: PO Box 17177 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 18-19? (if yes, please check all that apply)

Disposal Bans  Illegal Dumping  Littering  Construction & Demolition  Other: Solid Waste Plan requirem

5. Did your local government manage, provide or contract for any solid waste services in FY 18-19 (e.g., collection, disposal, recycling, mulching, composting)?  Yes  No

***If you answer "No" to question 5, the report is complete, please email to [Lgteam@ncdenr.gov](mailto: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 18-19?  Yes  No
7. Did your local government have any program or policy encouraging or requiring local agencies to purchase products with recycled content?  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 18-19?  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? 145
11. Did your local government operate a program to promote source reduction efforts such as junk mail reduction, reduction of single use plastics, food waste reduction, or promoting reuse and donation?  Yes  No
12. Did your local government offer a waste exchange or reuse program?  Yes  No
13. If you answered "yes" in question 12, please indicate which waste exchange and/or reuse programs were available to the public:  
 Swap shop/shed Number of sheds in use? 4  Paint exchange Number of gallons recovered? \_\_\_\_\_  
 Other (e.g. pallet exchange, etc.) \_\_\_\_\_

### PUBLIC RECYCLING SERVICES

14. Which of the following responses best describes your recyclables recovery activities for the period July 1, 2018 through June 30, 2019? 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 participate** in a recyclables recovery program sponsored by another local government. (Please identify the public agency/organization responsible for its operation; **then go to Part IV on page 7.**)
- With which local government did you participate? \_\_\_\_\_
- 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) Waste Industries - urban areas single family, Publicly operated rural single family
- Franchised hauler (please specify) \_\_\_\_\_
- Other (please specify) \_\_\_\_\_

17. Please provide the following information about your community:
- a. Total number of households in your jurisdiction? 60,140
  - b. Number of households eligible to participate in the curbside recycling program: 41,978
  - c. Provide the **number of households** that participate in the curbside recycling program (estimate if necessary): 28,000
18. If your curbside recycling program is operated through a public franchise granted to a private company 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: 425
21. How frequently were the curbside recyclables collected?  
 Once a week  Every other week / biweekly  
 Other Urban areas weekly, Rural areas (outside corporate limits) every other week
22. Please describe the collection containers used:  
 Bins  Blue bags  
 Multi-bin system  Roll-out carts
23. Please describe the method / style of recyclable materials handling:  
 curb-sort (collector separates material as collected)  single stream / commingled  
 dual / two stream  don't know / other

### DROP-OFF RECYCLING PROGRAM

24. Did your government operate a Drop-off Recycling Program?  Yes  No, skip to question # 31
25. Who collected the recyclable materials for your local government's drop-off recycling program?  
 Local government employees  
 Private contractor  
 Other (please specify) \_\_\_\_\_
26. 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
27. Please estimate the number of households served by your drop-off recycling program. 60,140
28. What sector(s) of your community are served by the drop-off recycling program?  Residential  Commercial  Industrial
29. How many drop-off locations did you provide for the citizens in your jurisdiction? Number of Sites: 9
30. How many of these locations were staffed with attendants?  All  None  Some please list # of staffed sites: 5

### ELECTRONICS RECYCLING PROGRAM

31. Did your community operate an electronics recycling program in FY 18-19?  Yes  No, skip to question # 37
- 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

32. Did your electronics recycling program collect or accept televisions from (check all that apply):  Residences  Businesses
33. Did your electronics recycling program collect or accept computer equipment from (check all that apply):  Residences  Businesses
34. DEQ distributes Electronics Management Funds each February to eligible governments (G.S. 130A-309.137). If your government was eligible to receive proceeds from the State Electronics Management Fund in February of 2018, please provide the following information:  
 Electronics Management Fund balance as of July 1, 2018: \$0  
 Electronics Management Funds received from DEQ during FY 18-19 (Feb 2019 distribution): \$ 8,985.81  
 Electronics Management Funds spent during FY 18-19: \$ 8,985.81  
 Electronics Management Fund balance as of June 30, 2019: \$ 0

35. Briefly explain how Electronics Management Funds were spent during FY 2018-19 (please list items purchased if applicable):  
 General support of Solid Waste Management Department operations.

36. If you did operate an electronics recycling program, please provide the following information about your vendor / contractor:  
 Name of electronics recycling vendor(s) during FY 18-19: E-cycle Secure  
 Does the electronics recycling vendor(s) listed above hold either the e-Steward or R2 certifications?  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.

37. 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 dropoff recycling programs?  Yes  No
38. 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 dropoff recycling programs?  Yes  No
39. 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: 150  
 Public drop-off recycling sites available for ABC On Premises Permit holders to use
40. 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
41. Please identify all Away From Home / Recycling On The Go programs or services operated by your government during FY 18-19. (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
42. Please identify all "Other" programs or services operated by your government during FY 18-19. (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  
 Oyster Shell Recycling Program  
 Other Programs (please specify) Fork It Over to lend out silverware to reduce use of single use plastics. "Skip the Straw" pul

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

43. 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, 2018 through JUNE 30, 2019. DO NOT include materials that were not collected or managed by your local government either directly or under contract to a private service provider.
- b. Do NOT report YARD WASTE, TIRES, HHW, USED OIL, OIL FILTERS, ANTI-FREEZE, BATTERIES or other SPECIAL WASTE tonnages on this page - these items should be reported on page 6 in the SPECIAL WASTE section of this report.
- c. If you collected single stream or other commingled materials, record tons in the "Commingled tons" row and then check the box for each individual material type that was commingled.

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	
<b>GLASS:</b>							
Clear	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Brown	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Green	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Mixed	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
<b>PLASTIC:</b>							
PET #1	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
HDPE #2	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
All Plastic Bottles	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Other Plastic Containers	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Bulky Rigid Plastics	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
<b>METAL:</b>							
Aluminum Cans	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Steel Cans	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
<b>PAPER:</b>							
Newsprint (ONP)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Cardboard (OCC)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	145	145
Magazines (OMG)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Office Paper	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Mixed / Other Paper	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	38	38
Cartons / Aseptic Containers	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
<b>WOOD:</b>							
Pallets					<input checked="" type="checkbox"/>	264	264
Other Wood - DO NOT report yard waste tons here		<i>Report all tons in Other column</i>			<input checked="" type="checkbox"/>	66	66
<b>OTHER MATERIALS:</b>							
Textiles (clothes etc...)					<input checked="" type="checkbox"/>	10	10
Televisions					<input checked="" type="checkbox"/>	130	130
Other Electronics					<input checked="" type="checkbox"/>	299	299
C&D Materials Recycling					<input checked="" type="checkbox"/>		
White Goods					<input checked="" type="checkbox"/>	333	333
Other Metal					<input checked="" type="checkbox"/>	951	951
Food waste including public school lunch					<input checked="" type="checkbox"/>	1,347	1,347
plastic film (8), oyster shells(30)					<input checked="" type="checkbox"/>	48	48
Commingled tons-check all items collected above*	<input checked="" type="checkbox"/>	8,771	<input checked="" type="checkbox"/>	4,120	<input checked="" type="checkbox"/>	2,307	15,198
<b>TOTAL TONS:</b>		8,771		4,120		5,938	18,829

44. \*If you checked commingled, which material recovery facility does your community use: \_\_\_\_\_

45. **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
corrugated cardboard ban		Cardboard ban from Orange Co. landfill 1996 and ban from non-residential collection 2002 and ban from residential added 2006
ban on landfilling wood waste		Scrap Metal and Clean Wood banned from Orange County landfill 2002 (along with corrugated cardboard)



## Part III. Special Waste Collections

Please provide responses and data as indicated below considering services provided to the public. Please do not include data on 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 46 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 or HHW event and were not collected by separate recycling efforts then do not record materials in question # 46 but instead report with HHW materials in question # 47.

### Special Waste Collections (Do Not Include Materials Collected as part of an HHW Collection Program or Event)

46. 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	11	20,130	gallons
Used Oil Filters	<input checked="" type="checkbox"/> Yes	10		barrels, or 16,960 lbs
Used Antifreeze	<input checked="" type="checkbox"/> Yes	10	1,910	gallons
Batteries, Lead Acid	<input checked="" type="checkbox"/> Yes	9		# batteries, or 13,908 lbs
Batteries, Dry Cell	<input checked="" type="checkbox"/> Yes	8	31,808	lbs
Fluorescent Bulbs/Lights Containing Mercury	<input checked="" type="checkbox"/> Yes	2		lbs, or # bulbs
Propane Tanks	<input checked="" type="checkbox"/> Yes	2		lbs, or # tanks
Used Cooking Oil / Waste Vegetable Oil	<input checked="" type="checkbox"/> Yes	5		lbs, or 17,432 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) and Very Small Quantity Generator (VSQG) Program or Event

47. Did your local government operate a household hazardous waste collection program or event in FY 18-19?  Yes  No
- If Yes, please respond to the following questions:
- Was HHW collected at a permitted Temporary Event or at a Permanent HHW Collection Facility?  Permanent  Temp. Event
  - How many days was your HHW Program open to accept materials during this Fiscal Year? 303
  - Did you partner or co-sponsor your HHW program with another local government?  Yes  No  
Please list partner(s) all residents of Chatham, Durham and Wake Counties could facilities in a reciprocal agreement
  - Provide number of citizens / households that participated in your HHW collection program this Fiscal Year? 13,026
  - Did your program accept materials from small businesses (Very Exempt Small Quantity Generators)?  Yes  No  
If yes, please estimate the amount of business material managed 5,850 pounds
  - Amounts of individual materials collected by HHW Program: if totals for individual materials are known please itemize below. If data about individual materials is not available, please simply provide total quantity of materials collected by HHW program in 47g below. Note, materials listed here should only be those collected at an HHW Program and should not include materials listed in question 46.  
 Used Motor Oil (gal) \_\_\_\_\_ Used Oil Filters \_\_\_\_\_ # of Barrels, or \_\_\_\_\_ lbs.  
 Used Antifreeze (gal) \_\_\_\_\_ Lead Acid Batteries (lbs) \_\_\_\_\_ Other Batteries (lbs) \_\_\_\_\_  
 Fluorescent Bulbs / Lights Containing Mercury (lbs) 59,847
  - Provide Total Quantity of materials collected by HHW Program. If individual materials were reported in 47f, please net the weight of those materials out of the total listed here. 587,843 pounds
  - Please list HHW Collection Contractor Clean Harbors (HHW), Clean lites (Fl bulbs & dry cell) Interstate Batteries (lead ac)
  - Estimated cost of HHW / VSQG program or event(s) \$ 527,822

Pages 3 through 6 should have only been completed by governments indicating in question # 14 that they DO provide recycling services. All governments answering "Yes" to question #5 on page 1 should complete the rest of the report with the exception of Questions #66 - #88 which are for Counties only.

## 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.*

48. 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.
49. Did a storm event significantly impact the amount of yard waste your government managed during FY 18-19?  Yes  No
50. 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"/>	11,899	or		Orange County Landfill/disposal facility
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"/>	804	or		Orange County Landfill/disposal facility
Energy / Fuel Use (e.g. boiler fuel market)	<input type="checkbox"/>		or		
<b>Total</b>		12703	or		

**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*

$$\begin{array}{ccccccc}
 \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \text{ cubic yards} \\
 \text{Size of Truck (in yards)} & & \text{Avg. no. of times truck fills each week} & & \text{\# of weeks truck is used during year} & & \text{TOTAL}
 \end{array}$$

## Part V. Solid Waste Collection Services

51. 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					
Residential	Primary	A	Secondary		Primary	3	Secondary		a. Local government employees	1. Once a week at household
Commercial	Primary	D	Secondary		Primary		Secondary		b. By Contract	2. Twice a week at household
Industrial	Primary	D	Secondary		Primary		Secondary		c. Franchise haulers	3. Convenience center/greenbox
									d. Local government not involved in provision of service	4. As needed or by request
										5. Daily
										6. Other

52. 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

53. 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

54. Did **your local government** have an education program to inform citizens specifically about solid waste management and / or recycling issues / activities?  Yes  No (If No, skip to Part VII, page 8)
55. Please estimate your annual budget for solid waste related education and outreach activities: \$154,000
56. Does your community produce recycling education and outreach materials in languages besides English?  Yes  No  
 If YES, please list other languages used: Spanish, Korean, Mandarin



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

57. Did your local government operate an Enterprise Fund for solid waste services in FY 18-19?  Yes  No
58. 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? General support of the Solid Waste Management Department operations

59. 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 checked="" 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                    |   |

60. If applicable, please provide your FY 18-19 household fees (follow example format):
- ex: \$ 75.00 per year per household for solid waste
- a. \$ \_\_\_\_\_ per \_\_\_\_\_ per \_\_\_\_\_ for solid waste
- b. \$ 132 per year per household for recycling
- c. \$ \_\_\_\_\_ per \_\_\_\_\_ per \_\_\_\_\_ for yard waste
- d. \$ \_\_\_\_\_ per \_\_\_\_\_ per \_\_\_\_\_ for bulky waste
- e. \$ \_\_\_\_\_ per \_\_\_\_\_ per \_\_\_\_\_ availability fee
- f. \$ 132 per year per \_\_\_\_\_ total charge

61. Did your local government operate a Pay-As-You-Throw program for residential garbage during FY 18-19? (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 to develop a system to inform users of such costs.

62. If your local government contracts for solid waste or recycling services, please report the annual contract amount.
- \$247,798 For solid waste services per year
- \$1,837,974 For recycling per year
- OR
- \$ \_\_\_\_\_ Combined Contract (solid waste, and recycling)

63. 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)
<b>Municipal Solid Waste*</b>	<u>64,421</u>	<u>24,037</u>	<u>3,734,123</u>	<u>350,349</u>	<u>5,235,744</u>	<u>217</u>
<b>Recycling Program**</b>	<u>64,421</u>	<u>18,830</u>	<u>3,622,785</u>	<u>539,043</u>	<u>5,178,368</u>	<u>275</u>
<b>Yard Waste Program</b>	<u>41,978</u>	<u>11,899</u>	<u>270,519</u>		<u>354,408</u>	<u>29</u>
<b>Totals (calculated by form):</b>		<u>54,766</u>	<u>7,627,427</u>	<u>889,392</u>	<u>10,768,520</u>	<u>196</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 including those services offered to commercial and industrial generators. Do not include special waste services.

64. If your government operates a landfill, transfer station, yard waste /compost facility or recycling facility, please provide total budget for facility operations (round to nearest dollar). If budgets for different facilities are combined, please attempt to allocate costs proportionately.
- Landfill Budget: \$ 1,694,756
- Transfer Station Budget: \$ \_\_\_\_\_
- Yard Waste / Compost Facility Budget: \$ 354,408
- Recycling Facility Budget: \$ 5,422,739

65. What was your government's total combined annual budget for all solid waste and recycling services in 18-19? \$11,157,905

## Part VIII. Mandated Programs

The following questions pertain to programs mandated by NC statute. **Only Counties** need to complete questions 66 through 88. Failure to complete Part VIII may result in non-eligibility for grant funding. **Municipalities** should skip to question 89 on page 10.

### WHITE GOODS

66. Please provide name, address, phone number, and e-mail of person responsible for white goods program.

Name: Kristina Witosky Title: Disposal Manager  
 Address: PO Box 17177 City: Chapel Hill Zip: 27516  
 Telephone: 919 968 2788 Fax: 919 932 2900 Email: kwtosky@orangecountync.gov

67. Please provide the physical address of the primary county white goods collection site.

Street 1: 1514 Eubanks Road  
 Street 2: \_\_\_\_\_  
 City: Chapel Hill State: North Carolina Zip: 27516

68. Please provide the name of the business or person that removes the refrigerant gases (CFCs) from white goods.

Name: Orange County Solid Waste  
 Street: 1514 Eubanks Road  
 City: Chapel Hill State: North Carolina Zip: \_\_\_\_\_  
 Phone: (919) 968-2788 Fax: (919) 932-2900 Email: kwtosky@orangecountync.gov

69. Give amounts / types of CFCs removed. Attach records of CFC removal, and copy of certification of person(s) performing extraction.

Type of CFC Removed	Amount
134A	166.5oz
R12	18.5oz
R22	120oz
410A	22oz
600A	2oz

70. CFCs may be recycled or sent for destruction. Give name of firm, disposal method and amount earned / spent for CFC disposal.

Firm	Method of Disposal	Amount Earned	Amount Spent
Clean Harbors	\$0.85per pound		\$17.48

71. Please report the tonnage of white goods collected during FY 2018-19 in the Recycling Tonnages table on page 5 (question # 43). Was white goods tonnage reported on page 5?  Yes  No

72. List the amount of revenue for the white goods program by source:

Revenue collected from sale of scrap: \$ 30,125  
 Revenue collected from White Goods Tax Distributions: \$ 58,650  
 Revenue from other source (e.g. grants): \$ \_\_\_\_\_  
 Total Revenue: \$ 88,775

73. According to the White Goods Law, White Good Tax Distributions must be spent on white goods activities. Give amounts and types of expenditures White Good Tax Distributions were used for (do not include funds received from grants).

Operational Expenses: \$ 58,650  
 Capital Improvements: \$ 0  
 Clean-up of Illegal White Goods Dumps: \$ 0  
 Total Expenditures: \$ 58,650

**SCRAP TIRES**

74. Please provide name, address, phone number, and e-mail of person responsible for scrap tires program.  
 Name: Kristina Witosky Title: Disposal Manager  
 Address: PO Box 17177 City: Chapel Hill Zip: 27516  
 Telephone: 919 968 2788 Fax: 919 932 2900 Email: kwitosky@orangecountync.gov
75. Please provide the physical address of the primary county scrap tires collection site.  
 Street 1: 1514 Eubanks Road  
 Street 2: \_\_\_\_\_  
 City: Chapel Hill State: North Carolina Zip: 27516
76. Tonnage/Number of scrap tires disposed July 1, 2018-June 30, 2019 (excluding tires from cleanup of nuisance sites)  
1398.43 Tons or \_\_\_\_\_ Number of tires
77. Tonnage/Number of scrap tires disposed from cleanup of state or county designated nuisance sites  
0 Tons or \_\_\_\_\_ Number of tires
78. Indicate the types of tires collected by the county:  
 Passenger 85 % Heavy Truck 10 % Large Off-Road 4 % Agricultural 1 %
79. List the amount of revenue for the scrap tire program by source:  
 Revenue from Scrap Tire Tax Distributions: \$ 198,717.62  
 Revenue from Scrap Tire Fees: \$ \_\_\_\_\_  
 Revenue from Scrap Tire Clean-up Reimbursements: \$ \_\_\_\_\_  
 Revenue from Scrap Tire Cost-Overrun Grants: \$ \_\_\_\_\_  
 Total Revenue: \$ 198,717.62
80. County's total scrap tire program contract expenditure (contract disposal/hauling costs), excluding costs of nuisance tire cleanups, for FY 18-19. \$ 104467.94
81. County's additional scrap tire program expenditure (i.e. labor, convenience center cost), if any.  
 Labor \$ 70315  
 Site Cost \$ 1207.50  
 Other \$ \_\_\_\_\_ describe Other: \_\_\_\_\_
82. County's contract cost for scrap tire disposal. \$ 73.50 / Ton; \$ \_\_\_\_\_ / Tire
83. Hauling cost or fuel surcharge, if not included in contract cost above. \$ \_\_\_\_\_ / Ton; \$ \_\_\_\_\_ / Tire
84. Total tipping fees collected for tires not eligible for free disposal. \$ 0
85. Total number of tires collected not eligible for free disposal: 0
86. If scrap tires were not hauled off site by contracted service provider, were they cut and disposed in a local landfill?  Yes  No
87. Name of tire disposal/recycling firm(s): New River Tire, LLC

**MANAGEMENT OF ABANDONED MANUFACTURED HOMES BY COUNTIES**

88. 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

**TEMPORARY DISASTER DEBRIS STAGING SITES - Counties and Municipalities**

89. 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
90. 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

91. 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: Bruce Woody Name: Kristina Witosky Name: \_\_\_\_\_  
 Phone: 919 968-2788 Phone: 919 968-2788 Phone: \_\_\_\_\_  
 E-mail: bwoody@orangecountync.gov E-mail: kwitosky@orangecountync.gov E-mail: \_\_\_\_\_

92. 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 Landfill/Disposal Site 1514 Eubanks+		
2	Millhouse Road site 6823 Millhouse Road, Chapel Hil		
3	Mincey Rd site36D 8"27.77"N, 79 3' 46.52 W) Hills+		

93. Does your plan address the management of:  Household hazardous waste  Mass animal mortality  
 Abandoned vessels  White goods

94. Does your plan include coordination with NC DOT on clearing roads and waste in the right of way?  Yes  No

## Part IX. Comments

Use this section to elaborate on any info provided in your report as necessary. We would appreciate your comments about this report or other matters regarding solid waste management in North Carolina. Thank you for your time. You may submit additional sheets if needed.

This year for question 63 table, the line for MSW includes the County's Sanitation Division Budget that is used to operate the 5 waste and recycling centers (convenience centers) plus collect Waste from County Schools and County government buildings as well as the "Disposal" budget used primarily to operate and maintain the C&D landfill. Tipping fees shown in this line are only those paid for outgoing material from Sanitation for disposal of MSW and mixed MSW with C&D at external transfer stations outside Orange County and yard waste internal to our operation and clean wood internal to our operation because the Sanitation Division pays tipping fees on the County's own incoming materials, just like tipping fees from private incoming yard waste or wood waste. Tipping fees received by Orange County for C&D , yard waste,, clean wood waste at the County landfill are not shown in this table.

Tipping fees paid for recycling at the MRF are shown in the recycling budget and the revenue received for sale of cardboard, scrap metal and (for the first part of last FY from the MRF) are subtracted from the total cost of the recycling program. All budget lines account for operating and personnel costs in the year of record and those capital expenditures amortized to the year of record.

We believe that these data collected by all local governments in North Carolina however flawed they may be, continue to provide a source of valuable benchmarking information for the State and its local governments. Statistics for specific programs should be compiled and shown publicly in comparative tables where appropriate e.g. for Hazardous Waste programs to assist local governments in comparing costs for services delivered. Staff necessary to accurately and thoroughly manage this valuable data should be made available and the resulting data used to help improve program management.

Orange County makes a considerable effort each year across our Solid Waste Department to attempt to provide as accurate and thorough a report as possible.

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

Sandy Skolochenko, email: [sandy.skolochenko@ncdenr.gov](mailto:sandy.skolochenko@ncdenr.gov) phone: 919-707-8147

Matt James, email: [matt.james@ncdenr.gov](mailto:matt.james@ncdenr.gov) phone 919-707-8133

**THIS FORM IS DUE SEPTEMBER 1, 2019**

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

