

**Benjamin Cahoon**  
Mayor

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Interim Town Manager



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**M. Renée Cahoon**  
Commissioner

**J. Webb Fuller**  
Commissioner

**Kevin Brinkley**  
Commissioner

## **Town of Nags Head Waste Reduction Task Force**

November 2, 2020 – 9 am to 10:30 am  
Board of Commissioners Meeting Room

### **Meeting Agenda**

1. Welcome
2. Update on Recycling Options and Program Information from Neighboring Communities
3. Cardboard/Glass Commercial Collection Efforts
4. Bulk Waste Update (Vegetative Debris/Bulk Recycling)
5. Overview of New Hanover County Composting Program
6. Member Discussion
7. Meeting Schedule
8. Adjournment

## Neighboring Communities

**Duck – TFC Recycling (processing and collection), 3-year contract, once per week  
May 1<sup>st</sup> to October 31<sup>st</sup>, once every other week, November 1st to April 30<sup>th</sup>.**

**Summer = \$6.68 per household per month, Winter = \$5.24 per household per  
month. Summer collection on Mondays, Winter collection 1<sup>st</sup> and 3<sup>rd</sup> Monday.**

**Households = 1126**

**Recycling Tons = 485**

## Neighboring Communities

**Southern Shores – Bay Disposal (Collection), RDS (Processing), 1-year contract with one year renewal option, \$6.79 per household per month, once per week year-round on Wednesdays.**

**Households = 2394**

**Recycling Tons = 559**

## Neighboring Communities

**Kill Devil Hills – Bay Disposal (Subscription), Franchise agreement until 2024.**

**Homeowners deal directly with Bay Disposal for service. Town negotiates rates.**

**Cost = \$12.45 per household per month, once per week year-round on Tuesdays.**

**Subscribers = 974**

**Tonnage = 303**

## **Commercial Routes**

**Side Load** – Approximately 157 stops with 207, 4-yard side load cans. Collected with 2 trucks. Average 65 truck miles per day.

**Front Load** – Approximately 82 stops with 90, 4,6,8-yard containers. Collected with 1 truck. Average 105 truck miles per day 105 (1.5 loads).

*239 total stops, Summer Schedule: M.W.F.S. Winter Schedule: M.W.F*



<b>Tonnage Breakdown FY 2019</b>					
Residential tons	Residential \$	Commercial tons	Commercial \$	Total Tons	Total \$
3717.83	\$ 271,959.26	4491.38	\$ 328,544.45	8209.21	\$ 600,503.71
Rate = \$73.15 per ton					

**Curbside Recycling Tons = 889.71**

## **Commercial Single Stream Recycling Collection**

- Cardboard
- ABC glass

\*no tipping fees – taken to Dare County



# Commercial Single Stream Recycling Collection



- Cardboard

1	Public Works	Front Load		Straight Cardboard	8yd
2	Dowdy Park	Front Load		comingle	8yd
3	Town Hall	Front Load		Straight Cardboard	8yd
4	The Ridges	Front Load		comingle	8yd
5	Sea Chase	Front Load		comingle	4yd
6	Jennette's Pier	Front Load		comingle	8yd
7	The Villas	Front Load		comingle	6yd
8	ABC Store	Front Load		Straight Cardboard	6yd
9	The Dunes	Front Load		Straight Cardboard	6yd
10	Sugar Creek	Front Load		Straight Cardboard	6yd

1	The Spot	Hand toss		
2	Whalebone Surf Shop	Hand toss		
3	Secret Spot Surf Shop	Hand toss		
4	Ace Hardware	Hand toss		
5	NH Post Office			Not putting out
6	Kitty Hawk Kites	Hand toss		
7	Mulligans			
8	Christmas Mouse	Hand toss		Behind Mall
9	West Marine	Hand toss		
10	Yellow Submarine	Hand toss		
11	Kellogg Design Center	Hand toss		
12	Duck Doughnuts	Hand toss		
13	Cavalier Surf Shop	Hand toss		
14	Cotton Gin	Hand toss		
15	Cahoon's Market	Hand toss		pulled box
16	Lone Cedar	Hand toss		
18	Farmer's Daughter	Hand toss		



# Commercial Single Stream Recycling Collection



- ABC Glass

1	Sam and Omies	Carts
2	Lucky 12	
3	Tortuga's Lie	
4	Red Drum	
5		
6	Lone Cedar	Carts
7	Tale of the Whale	Carts
8	Miller's	Carts
9	Outer Banks Fishing Pier	
10	Pirates Cove	
11	Outlet Mall	
12	Sugar Shack	
13	The Dunes	
14	NY Pizza Pub	

## **FY 2021 Bulk Item Collection Services**

- **Material is collected on a rolling basis starting at the beginning of each month.**
- **No longer on-demand.**
- **Vegetative Debris**
- **Large items, white goods, mattresses, other materials.**
- **Bulk yard recovers metal, asphalt, scrap tires, etc.**

## FY 2021 Bulk Item Collection Services



July, August, September, October 2020

- 30 tons of cardboard
- 27 tons of metal
- 65 tons of concrete
- 10 tons of asphalt
- 40 tons of co-mingled recycling

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## **New Hanover County Composting**

**Point of Contact – Andy Mulvey, Environmental Specialist, New Hanover County Department of Environmental Management**

- **Use small footprint in-vessel composting system**
- **Vessel, trommel, bunker**
- **Quick processing – 15 days; process 5,000 to 10,000 pounds per day**
- **Can't resell, free to UNCW, county, residents**
- **Startup cost \$600,000 (Nags Head would need much smaller system)**

## New Hanover County Composting

- Food waste can be 10-15% of waste stream
- Started with UNCW cafeteria
- Migrated to larger businesses with food service
- Disposal site for homeowners, also private industry provides collection for households
- <http://www.dt-environmental.com/composting.html>

# Discussion



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