

Benjamin Cahoon
Mayor

Michael Siers
Mayor Pro Tem

Greg L. Sparks
Interim Town Manager



Town of Nags Head
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M. Renée Cahoon
Commissioner

J. Webb Fuller
Commissioner

Kevin Brinkley
Commissioner

Town of Nags Head Waste Reduction Task Force

February 4, 2021 – 2 pm to 3:30 pm
Zoom Remote Meeting

The following link is for the public to attend the meeting remotely:
https://nagsheadnc.zoom.us/webinar/register/WN_vAA95_hSRYacGkVSnP9ugA

Meeting Agenda

1. Welcome

2. Review/Approval of Meeting Minutes
 - September 11, 2020
 - October 1, 2020

3. Review of Recycling Alternatives
 - Bid from TFC for recycling subscription service
 - Bay Disposal contract for town-wide service

4. Discussion of Potential Recycling Subsidy

5. Discussion of Service Recommendations

6. Adjournment



DRAFT MINUTES
TOWN OF NAGS HEAD
WASTE REDUCTION TASK FORCE MEETING
FRIDAY, SEPTEMBER 11, 2020; 9:00 A.M.
BOARD ROOM

Members David Bragg and Robert Netsch (in person)
Present Kari Bakus, Meredith Fish, and Ann Daisey (via Zoom platform)

Others Interim Town Manager Greg Sparks; Dep Town Manager Andy Garman; Facilities Maintenance
Present Superintendent Mike Norris; Public Information Officer Roberta Thuman; and Town Clerk
Carolyn Morris (all in person)

Welcome/Introductions – Dep Town Manager Andy Garman welcomed everyone to the first meeting of the Waste Reduction Task Force. Task Force Members as well as staff each introduced themselves.

Review of Task Force Charge

Mr. Garman summarized the Task Force charge as follows:

- Focus on waste reduction initiatives
- Refuse, Reduce, Reuse, Recycle, Rot
- Efforts to reduce waste stream or handle waste stream cost effectively
- Responsible disposal practices
- Education
- Community education
- Review of Town programs and services
- Recommendations to the Board on revised or new services – prior to the next year’s budget process

Mr. Bragg said that while it should be easy to educate, it is not being done by realtors, etc. He questioned how education can work with recycling when it doesn’t work with curbside trash pick-up. Mr. Garman explained that at this point he wanted to review the actual charge with members.

Review of Nags Head’s Solid Waste and Materials Management Programs and Services

The presentation slides are attached to and made a part of these minutes as found in **Addendum “A”**.

Ms. Bakus asked for recycling benchmark/comparison data with other similarly-sized towns; Mr. Garman said he would look into this and provide at the next Task Force meeting.

Some highlighted slides include:

- Residential Routes
- 4300 Single Family curbside units
- 154 units in Village collected with dumpsters
- Three summer routes, two winter routes

(Mr. Garman noted that the routes would most likely be discussed by the Board again this year)

- Recycling drop off sites – Town Hall and Public Works
- Curbside recycling – suspended
- Commercial routes
- Side load and Front load dumpster trucks
- 239 total stops with the summer and winter schedule

For easy access, Mr. Garman said that a web page under *Town Boards and Committees* on the Town's web site would be prepared for the Task Force to include the presentation and backup material from today and upcoming meetings.

Member Discussion

Task Force members agreed that it would be helpful to see what other similar-sized localities are doing re: recycling.

Mr. Bragg said that he is in favor of recycling as long as it is cost-effective; he asked that a cost-benefit analysis be prepared.

Ms. Bakus noted that discussions should include reducing on the commercial side. Mr. Garman said that it may be beneficial to bring in some people that specialize in certain recycle technology to speak to the Task Force.

Ms. Fish emphasized that education is needed for a successful recycling program and will need to be addressed.

Ms. Daisy feels that a well-rounded program is needed – she questioned when the landfills are full, where are the materials sent? She also agreed that education is a huge factor for success and emphasized the importance of reaching out to children.

Interim Town Manager Sparks stated that staff will follow up on the information requested and he stressed the importance of having an open mind when working through these issues.

Meeting Schedule

Mr. Garman is to send out a poll to Task Force members for the best date/time for the next meeting.

Mr. Netsch asked that action items from today's meeting be established/distributed prior to the next meeting.

Adjournment

The meeting adjourned at 10:24 a.m.



DRAFT MINUTES
TOWN OF NAGS HEAD
WASTE REDUCTION TASK FORCE MEETING
FRIDAY, OCTOBER 1, 2020; 9:00 A.M.
BOARD ROOM

Members Present David Bragg (in person); Kari Bakus, Meredith Fish, and Ann Daisey (via Zoom platform)

Members Absent Robert Netsch

Others Present Interim Town Manager Greg Sparks; Dep Town Manager Andy Garman; Public Information Officer Roberta Thuman; Town Clerk Carolyn Morris; and Nags Head resident Brian Taylor (all in person)

Matt James (NC DEQ) and Tad Phillips (Tidewater Fibre Corporation) (via Zoom platform)

Welcome

Dep Town Manager Andy Garman welcomed everyone to the meeting.

Introductions

Attendees introduced themselves: Task Force members: David Bragg, Kari Bakus, Meredith Fish, and Ann Daisey; Matt James of NC DEQ; Tad Phillips of Tidewater Fibre Corporation; Brian Taylor; Greg Sparks; Andy Garman; Roberta Thuman; and Carolyn Morris

Discussion with Tad Phillips, Tidewater Fibre Corporation (TFC) Recycling

Tad Phillips of Tidewater Fibre Corporation Recycling provided the following report: Tidewater Fibre Corporation Recycling instituted one of the first recycling programs in the 1970's; now they service over 600,000 homes to include the Town of Duck; they are currently losing money because of reliance on the Chinese government; Starting in 2021 China will no longer be accepting scrap materials; this year there was a "perfect storm" of bad business issues which resulted in a change to their business policy as they no longer make enough to cover their costs. However, they are still working and picking up curbside recycling but they now have to charge more. They are still selling to some markets.

In response to a question from Mr. Bragg, Mr. Phillips said that contamination is built into their prices - cleaning of the materials is done by the company for recyclables but not for trash. Mr. Phillips said that other countries are very strict re: standards for exported items. He reported that cans are sold to the US, glass goes to Wilmington, North Carolina; plastic goes to mills in North Carolina for making bags, etc; fiber (cardboard) can be recycled seven times and is very profitable; glass items go to Wilson, North Carolina.

In response to a question from Ann Daisey, Mr. Phillips said that they partner with Recycle Partnership to educate the public and they have one outreach employee that does only that.

Ms. Daisey left the meeting at 9:55 a.m. for a work obligation.

Discussion with Matt James NC DEQ, Division of Environmental Assistance and Customer Service

Matt James of NC DEQ, Division of Environmental Assistance and Customer Service, stated that his job is to help maintain a large supply of recycle materials in North Carolina and southeast Virginia and to increase demands for recycling; he is aware recycling will always lose out but recycling is more than just cost per ton. Communities are eligible for up to \$35,000 for recycling purposes.

Mr. Bragg questioned why the State wasn't pushing more toward recycling in the commercial sector rather than the residential side rather than placement in landfill.

Mr. James provided this web site (www.epa.gov/warm) as a waste reduction model (WARM) to help organizations track emissions reductions, energy savings, etc. Mr. James also noted that the State has several employees that can speak with the Task Force.

Ms. Fish noted that some items in nature won't decompose in a landfill as well as being recycled; Mr. James stated that the true value of recycling is reducing the initial impact of destruction.

Member Discussion

Dep Manager Garman said that the Task Force may get more into metrics at the next meeting - Facilities Maintenance Supervisor Mike Norris should be available to provide information from the commercial side and where it can be worked on more. He stated further that he would like to do a Request For Proposal (RFP) for a subscription service just so it is understood what the costs will be in a variety of types of pickups. More information is needed in order to move forward. It doesn't have to be all or nothing – there are several options that can be considered in order to share the costs.

Ms. Bakus questioned how the Town of Duck model is priced out and how their volume compares to Nags Head. Mr. Garman responded that the Town of Duck is paying the contract outright - subscribers are not paying for the service. She is concerned that the subscription may be a set up to fail and would not alleviate the problem. She asked about partnering with other Towns. Staff is to provide Town of Duck information for comparison.

Mr. James stated that he will be able to provide data from all communities in North Carolina which he will be happy to distribute - he also asked that his contact information be shared for anyone interested.

Meeting Schedule

Dep Town Manager Andy Garman said that he will poll Task Force members for the next meeting date.

Adjournment

The Task Force adjourned at 10:43 a.m.



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MEMORANDUM

To: Waste Reduction Task Force

From: Andy Garman, Deputy Town Manager

Date: February 2, 2021

Re: Discussion of Recycling Alternatives

As you are aware, the waste reduction task force has discussed several alternatives that would allow the town to offer recycling services to residential customers. The first alternative would involve modifying the town's current contract with Bay Disposal to divert recyclables to a new recycling processing facility in Portsmouth, Virginia, RDS. Other than the location where material is taken, there would be no other changes to the services provided as part of this arrangement. Bay Disposal would collect recycling from May 1 to September 30 on the blue route (beach road). Town forces would collect recycling in other parts of the town from May 1 to September 30 and would collect the entire town for the remainder of the year. All material would be taken to Bay Disposal's transfer facility in Currituck. From there the material would be transferred to the facility in Portsmouth. This alternative would be provided to all residential properties within the town. The cost of the service would be paid for as part of the town's annual budget as a general fund expense. Staff would note that the costs provided for this alternative are based on preliminary discussions with Bay Disposal. We expect to receive updated information this week in writing however we do not anticipate substantial changes to the proposal. It is also important to note that the town would likely need to commit to a three-year contract with this alternative.

The second alternative involves entering into a contract with a new vendor, TFC Recycling, to offer a subscription service. Earlier this year, the town solicited bids to provide a recycling subscription service via exclusive franchise and received one bid from TFC on January 28th. Property owners would sign up for the service directly with TFC and would be billed a monthly fee. The cost of the service would be borne by the subscribers. The task force has discussed the town subsidizing the monthly fee to encourage participation and to demonstrate the town's commitment to recycling. The bid proposal quoted the monthly rate per subscriber at \$14.

Review of Alternatives

Option 1 – Town wide Service, Recycle w/ Bay and RDS

RDS Recycling Processing Charge per Ton = \$57.50

Bay Disposal Hauling Charge per Ton = \$23.80

Approximately 900 tons @ \$81.30 (\$57.50 + \$23.80) = \$73,170

Bay Disposal Collection for Blue Route = \$162,810

Total cost for hauling + processing = \$235,980

Option 2 – Subscription Service, TFC Recycling

Cost per Household per Month = \$14

Annual Cost per Household = \$168

Processing Fee = included in monthly charge

Annual Cost for 500 customers = \$84,000

Service Date – Monday, town wide

(The Bid proposal submitted by TFC is attached)

Subsidy Discussion

As the task force is aware, moving from a town wide service to a subscription service shifts the cost burden for recycling from the town to the property owner. This includes both collection costs and processing costs. With a subscription service, any material that is recycled no longer requires the town to pay a tipping fee. Staff's initial thoughts on this would involve the town subsidizing the monthly rate paid by the subscriber to offset what they would have paid in tipping fees. An analysis provided by staff estimates that the monthly tipping fee paid per household averages between \$5 and \$7. Recognizing that not all material would be diverted to recycling, staff would suggest a subsidy in the range of \$3 to \$5 per month. A subsidized rate of \$10 per month would be less than the subscription rates charged in other Dare County communities. Kill Devil Hills charges \$12.45 per month and Manteo charges \$11.35 per month.

As an example, if the town provided a monthly subsidy of \$4 per subscriber, the cost to the town for 500 subscribers would be \$2,000. The annual cost would be \$24,000. While this is certainly less than the town cost for recycling under the previous contract, it would serve to encourage subscribers and demonstrate the town's commitment to maintaining a recycling program at a reasonable cost.

Attached is information prepared for the board last year reviewing changes to the town wide recycling service since it began as well as data regarding the costs and benefits of the program. This provides additional background information that may be useful to the Task Force as it reviews the aforementioned alternatives.

Attachments:

- Subscription Proposal from TFC Recycling
- Recycling Information



Response to Town of Nags Head – Subscription Type Residential Curbside Recycling Service

January 27, 2021

Town of Nags Head
Att: Carolyn Morris, Town Clerk
P.O. Box 99
Nags Head, NC 27959

Via Email: carolyn.morris@nagsheadnc.gov

Subject: Recycling Subscription RFP

Dear Ms. Morris:

TFC Recycling is pleased to have the opportunity to submit this response to the above referenced RFP for Subscription Recycling Services for the town of Nags Head. What follows in this proposal is the documentation of TFC's company information, key personnel, experience in the collection and processing of recyclables, our location and contact information, and an explanation of our capabilities and plans for meeting the requirements of a proposed contract.

We also include a section on our pricing offer with some parameters around the service requirements as they relate to the price for the services.

While it is TFC's intent to continue to service our customers on the Outer Banks from our location in Chesapeake for the immediate future, we anticipate further expansion of our business will allow us to commit additional infrastructure and resources closer to our customers.

Under a separate process being completed by our corporate controller, and working with Amy Miller in your office, we are submitting a bid bond via an electronic check in the amount of \$3,696.00 per the formula in Section V. on page ten of the RFP.

We look forward to further discussions regarding this proposal at your convenience.

Respectfully,

Tad Phillips
Vice President



Response to Town of Nags Head – Subscription Type Residential Curbside Recycling Service

Company Information and Background

Company Name: Tidewater Fibre Corp., d/b/a TFC Recycling
Authorized Agent: Paul Stacharczyk
Title: Senior Vice President and Chief Operating Officer (COO)
Phone Number: (757) 543-5766
Fax Number: (757) 543-9532
Email of Authorized Agent: pstacharczyk@tfcrecycling.com
Company Website: www.tfcrecycling.com
Federal I. D. #: 13-2788522
State Corporation Commission I. D. #: F038280-6
Business Structure: Domestic Corporation, For-Profit
Dun & Bradstreet (DUNS): #06-342-1028
Point of Contact for RFP: Tad Phillips, Vice President
Phone: 757-435-1270
Email: tphillips@tfcrecycling.com

Founded in 1973, Tidewater Fibre Corp. (TFC) is a privately held and family-operated business. The company is an environmental steward providing superlative services in the collection, processing, recovery, and responsible disposal of mixed post-industrial and post-consumer materials. All corporate authority resides in the company's ownership. The owners delegate authority to senior management to pursue the company's mission, goals, and strategies.

Headquartered in Chesapeake, Virginia, the company employs over 400 people, operates more than 180 collection and transfer vehicles, which includes over 40 Compressed Natural Gas (CNG) vehicles, and 3 material processing facilities in Chesapeake, Chester, and Newport News, Virginia.

For more than 46 years, TFC's performance, experience, partnerships and success with governmental accounts clearly demonstrate our ability to collect, process, and market the recyclable materials.

We have taken a leadership role in promoting recycling and reuse of materials to make a positive difference for the environment in Virginia and North Carolina.

Collection Experience

Through its partnerships and agreements with local and municipal governments and public service authorities, the company provides recycling services for over 700,000 households in six of Virginia's largest cities, and more than 4,000 commercial customers in Virginia and North Carolina.



Response to Town of Nags Head – Subscription Type Residential Curbside Recycling Service

Key Personnel

Matt Terrell, Vice President – Operations

Mr. Terrell joined TFC Recycling in 2018 and is the Vice President of Operations for the company with overall responsibility for all hauling operations, fleet maintenance customer service, and business development in Hampton Roads and the surrounding marketplaces. Mr. Terrell is a longtime veteran in the Environmental Services Industry, with over 27 years of experience in recycling and solid waste collection, disposal, and processing.

Mike Cropley, Division Manager – Chesapeake Hauling

Mr. Cropley joined TFC Recycling in 2007 and served as the Maintenance Supervisor of the Chesapeake MRF. During his tenure, he was responsible for the supervision and management of the maintenance team as well as the upkeep and repair of all plant machinery. In 2017, Mr. Cropley served as the General Manager of Recycling Operation and had overall responsibility for the management and safe operation of TFC Recycling's Chesapeake MRF. In 2019, Mr. Cropley was named Division Manager for all hauling operations, overseeing fleet maintenance, procurement, and field operations.

Tad Phillips, Vice President – Business Development

Mr. Phillips joined the Company in March 2013 and is Vice President – Business Development and is an active member of the company's management team. Mr. Phillips has more than 40 years of experience in the recycling and solid waste management services industry.

Kathy Russell, Municipal Services Coordinator

Ms. Russell is a 14-year veteran of TFC Recycling, serving as the Education and Outreach Coordinator, with a focus on school recycling programs and recycling events. A resident of Suffolk, she has been in the solid waste and recycling industry since 1995. In June 2019, Ms. Russell assumed additional duties as the municipal services coordinator for TFC Recycling, working with TFC outreach programs with the many municipal customers we serve across the region.



Response to Town of Nags Head – Subscription Type Residential Curbside Recycling Service

Experience and References

TFC Recycling has been providing recycling services in the Hampton Roads area for more than 46 years. These services include materials transfer hauling, servicing front end loading and roll off containers, as well as commercial and residential curbside recycling and waste programs.

CITY OF CHESAPEAKE

Earl Sorey, Director of Public Works
306 Cedar Road
Chesapeake, VA 23322
Contact: (757) 382-6290 Fax (757) 382-3444
Email: esorey@cityofchesapeake.net

CITY OF NORFOLK

Richard Broad, Director
810 Union Street, Suite 700
Norfolk, VA 23510
Contact: (757) 664-4600
Email: Richard.Broad@norfolk.gov

CITY OF SUFFOLK

L.J. Hansen, Director of Public Works
1258 Holland Road
Suffolk, VA 23434
Telephone: (757) 514-4355
Email: lhansen@city.suffolk.va.us

Statement of Capabilities

TFC Recycling operates curbside recycling programs for nearly 700,000 residential customers throughout Virginia and the Outer Banks of North Carolina, including the Town of Duck. Our fleet of curbside vehicles number 107 collection trucks and supporting service trucks, several of which will be utilized to service the residents in Nags Head. Services will be provided one time per week, every Monday. TFC will coordinate additional service days with the Town to accommodate holiday observances.



Response to Town of Nags Head – Subscription Type Residential Curbside Recycling Service

Recyclable materials collected from the Town will be processed at TFC's material recovery facility (MRF) in Chesapeake, Virginia. TFC uses its extensive experience in the processing and marketing of recycled materials to ensure they meet end-user quality standards and are actually recycled. TFC has been marketing recyclables both domestically and overseas since 1973 and we continue to use our long-term network of buyers to make certain we are getting fair prices for our products.

TFC MATERIAL RECOVERY FACILITY (MRF), CHESAPEAKE, VIRGINIA

In 2006, TFC Recycling completed the installation of an \$11 million dollar processing plant in Chesapeake, Virginia to sort paper, plastic bottles, and cans collected from commercial, institutional, and



residential programs throughout the Hampton Roads region. State of the art when originally installed, the MRF has undergone substantive renovation and upgrades throughout 2017 and 2018 and is one of the most automated mixed materials recovery facility in the United States. It is engineered to process up to 40 tons of materials per hour.

Services Provided: Processing of Municipal and Commercial Recyclable Materials

Type of Facility: Mixed Material Processing

Approximate Facility Size: 40,000 square-foot processing; 100,000 total square-foot

Ownership: Tidewater Fibre Corp.

Year Opened: 2006

Single Stream Tons Processed and Sold in 2020: More than 100,000 tons.

Systems: Bollegraaf Sorting Systems and Balers, and Ti-Tech Optical Sorters.

TFC uses a combination of separation technologies specifically designed for mixed material recovery. The systems make use of state-of-the-art equipment—conveyors, drum feeders, screens, optical-sorters, magnetic drum separators, eddy current systems, and high-density balers—for separating, processing, and preparing recovered materials for sale and reuse.



Response to Town of Nags Head – Subscription Type Residential Curbside Recycling Service

Commencement of Operations

TFC Recycling is fully prepared to start curbside collection services on May 1, 2021 with no exceptions.

Scope of Services and Service Requirements

TFC Recycling agrees to meet all the conditions in Section I., Scope of Services in the RFP, including the list of materials to be recycled in this section, the reporting requirements, the service notification standards, and the full responsibility for account management of the subscribers. This commitment extends to the items in Section II., Service Requirements.

In the event a contract results from the submission of this proposal, TFC Recycling will request that contract language include a provision that TFC will not be required to service carts with obvious excessive non-recyclable materials. In such an event, TFC will not dump the cart and instead note the location or address of the cart and inform the Town why the cart was not serviced. Further, locations that repeatedly fill carts with non-recyclables that cannot be collected will be removed from the program.

Price Proposal

In exchange for receiving an exclusive franchise to provide a three-year curbside subscription-based recycling collection program to participating residents in the Town of Nags Head, TFC offers the following price for weekly collection on Mondays:

\$14 per cart serviced at a participating residential or town location.

This price is contingent upon receiving a minimum commitment of 440 residential service locations, exclusive of the service locations for the Town itself, before services are required to commence.

Since the Town owns and services the carts, there is no additional cost to a contractor for extra carts at a location, and the collection costs are allocated across all service locations.

Processing Fees and Cost of Residue Disposal

Due to the end-market pricing volatility over the past three years, many recycling plant operators have implemented a processing fee to cover the costs of operations. That fee at the TFC Recycling MRF is currently at \$95 per ton delivered to the plant. The price quoted above includes that processing fee.

Additionally, TFC is responsible for the costs of handling and disposing of non-recyclables collected in the program. TFC currently pays a direct fee of \$52 per ton of residue disposed at the Wheelabrator



Response to Town of Nags Head – Subscription Type Residential Curbside Recycling Service

waste-to-energy plant in Portsmouth, which does not include the cost of transportation, estimated to be \$15/ton. The price quoted above includes these fees.

No Intentional Disposal of Recyclable Materials

As noted throughout this proposal, TFC is a recycling company. Our business model over the past 47 years is based on our ability to collect and recover recyclable materials for sale to end-user markets. Despite the well-noted downturn in the value from these end-user markets, we have endured by sticking to our business model and relying upon our many world-wide customers. In calendar year 2020 and excluding non-recyclable materials, TFC shipped and sold 105,618 **TONS** of recovered products. We do not and will not intentionally landfill or otherwise dispose of recyclables.

End of Proposal



In May 2020, the Town of Nags Head made the difficult decision to temporarily suspend its curbside recycling program due to a lack of affordable options to recycle materials. Currently, recyclables collected by the Town's recycling vendor at Nags Head's town hall and public works facilities are transported to a company where the materials are incinerated and used to generate renewable electricity.

The Town has been contracting with a vendor to collect recyclables from oceanfront residences during the summer months; the service suspension decision was made prior to this annual contract initiation, largely because alternatives to incineration could not be secured. Options continue to be explored, including subscription-based services and incineration alternatives. For more information and updates, visit nagsheadnc.gov/recycling. Below is a timeline of Nags Head's recycling services.

APRIL 2011

Town initiates a franchise agreement for recycling subscription services.

MAY 2014

Town initiates a pilot program that provides curbside recycling collection services to all residences along NC 12 and SR 1243.

JANUARY 2016

Town initiates townwide curbside recycling service at an initial cost of \$88,480 for collection with the Town paying \$0/ton for material processing. Cost does not include internal hauling cost or cost of recycling carts.



JANUARY 2017

Town modifies schedule to Friday only, cost decreases to \$77,980. Cost does not include internal hauling cost or cost of recycling carts.

RECYCLING COST = \$297/TON

TRASH COST = \$143/TON

JANUARY 2019

Town modifies schedule to Monday and Friday, cost increases to \$195,000. Cost includes tonnage collected by hauler. Cost for tonnage collected by Town increases to \$70/ton. With 522 tons collected by Town, cost increases to \$231,540 (\$195,000+\$36,540). Increased tonnage is a result of failing recycling market conditions.

RECYCLING COST = \$439/TON

TRASH COST = \$157/TON



DECEMBER 2019

Hauler notifies Town that materials are being incinerated rather than recycled due to market conditions. Hauler offers to continue recycling at \$130/ton or incinerate at \$70/ton. Town amends contract to allow for temporary incineration rather than paying increased processing cost.

SPRING 2020

Town and NCDEQ continue search for vendor to process, rather than incinerate, recyclables. Town learns that new vendor, RDS, can process recycling at \$70/ton. Town would now need two agreements: one for hauling and one for processing. Processing would require an additional \$121/ton for contaminated loads, with up to 18% possible contamination. Town's hauler and RDS continue negotiations to allow for hauler to contract directly with the Town for hauling and processing at a fixed price. As of May 2020, negotiations were ongoing and Town is unable to secure favorable terms that would provide a predictable fixed rate for service.



MAY 2020

Town temporarily suspends its curbside recycling program and is working to offer a subscription service, while continuing to explore its options for post-summer service.

RESIDENTIAL RECYCLING/TRASH DATA 2017 & 2019

FIRST FULL YEAR AND LAST YEAR OF DATA

Costs include staff, fuel, and equipment

RECYCLING FISCAL YEAR 2017	TONS COLLECTED #	PROCESS COST \$	HAULING COST \$	TOTAL COST \$	COST PER TON \$
Vendor*	371.1	0	82,180	82,180	221
Town	446.4	0	160,650	160,650	360
Totals	817.5	0	242,830	242,830	297

*Vendor collected recycling on NC 12 and NC 1243 May 1 - September 30.

Includes two months at 2016 contract price of \$88,480 and three months of 2017 contract price at \$77,980.

TRASH FISCAL YEAR 2017	TONS COLLECTED #	PROCESS COST \$	HAULING COST \$	TOTAL COST \$	COST PER TON \$
Town	4,382	319,886	310,590	630,476	143

RESIDENTIAL RECYCLING/TRASH DATA 2017 & 2019

FIRST FULL YEAR AND LAST YEAR OF DATA

Costs include staff, fuel, and equipment

RECYCLING FISCAL YEAR 2019	TONS COLLECTED #	PROCESS COST \$	HAULING COST \$	TOTAL COST \$	COST PER TON \$
Vendor*	322.89	INCLUDED IN CONTRACT	195,000 (CONTRACT)	195,000	604
Town	579.14	40,540	160,650	201,190	347
Totals	902	40,540	355,650	396,190	439

*Vendor collects recycling on NC 12 and NC 1243 May 1 - September 30

TRASH FISCAL YEAR 2019	TONS COLLECTED #	PROCESS COST \$	HAULING COST \$	TOTAL COST \$	COST PER TON \$
Town	3,717.83	271,959	310,590	582,549	157