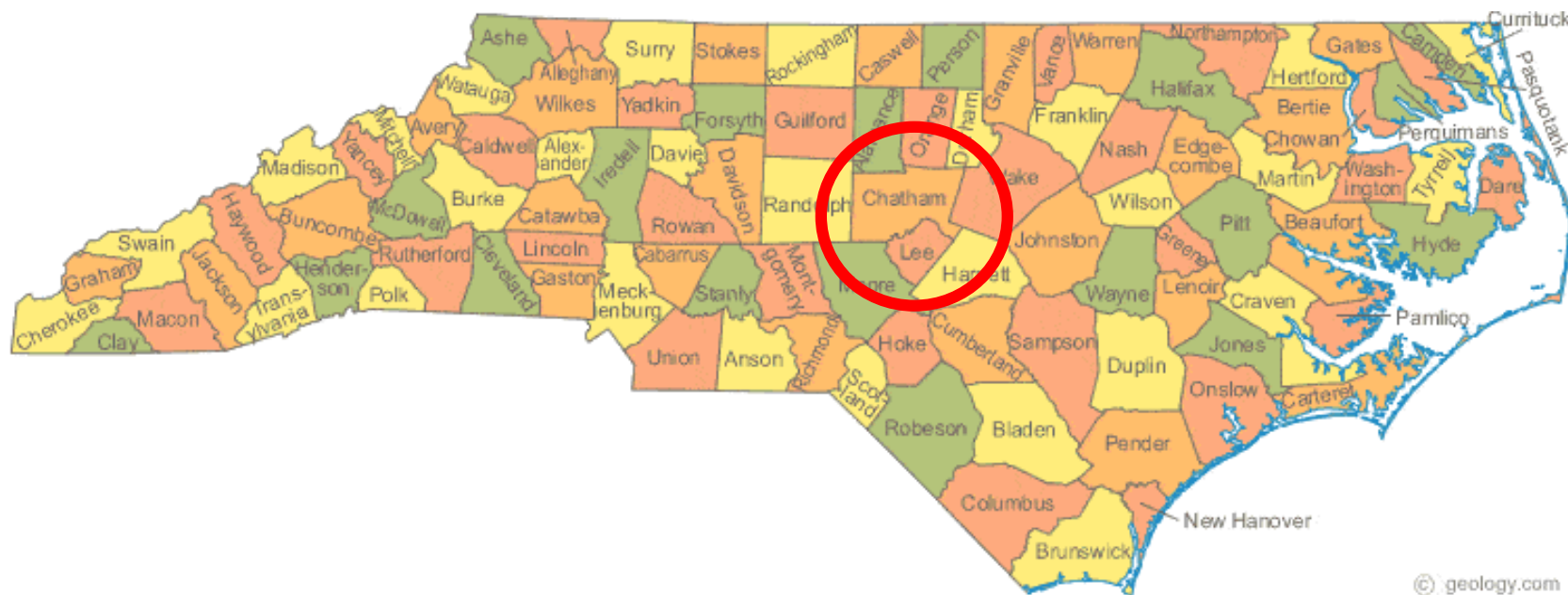


Chatham County Collection Center Contracts

Shannon Culpepper, MPA
Waste Reduction Coordinator

Carolina Recycling Association March
19, 2019

Chatham County



- Unincorporated Area Population: ~56,000
- Households Served: 27,000

Collection Centers

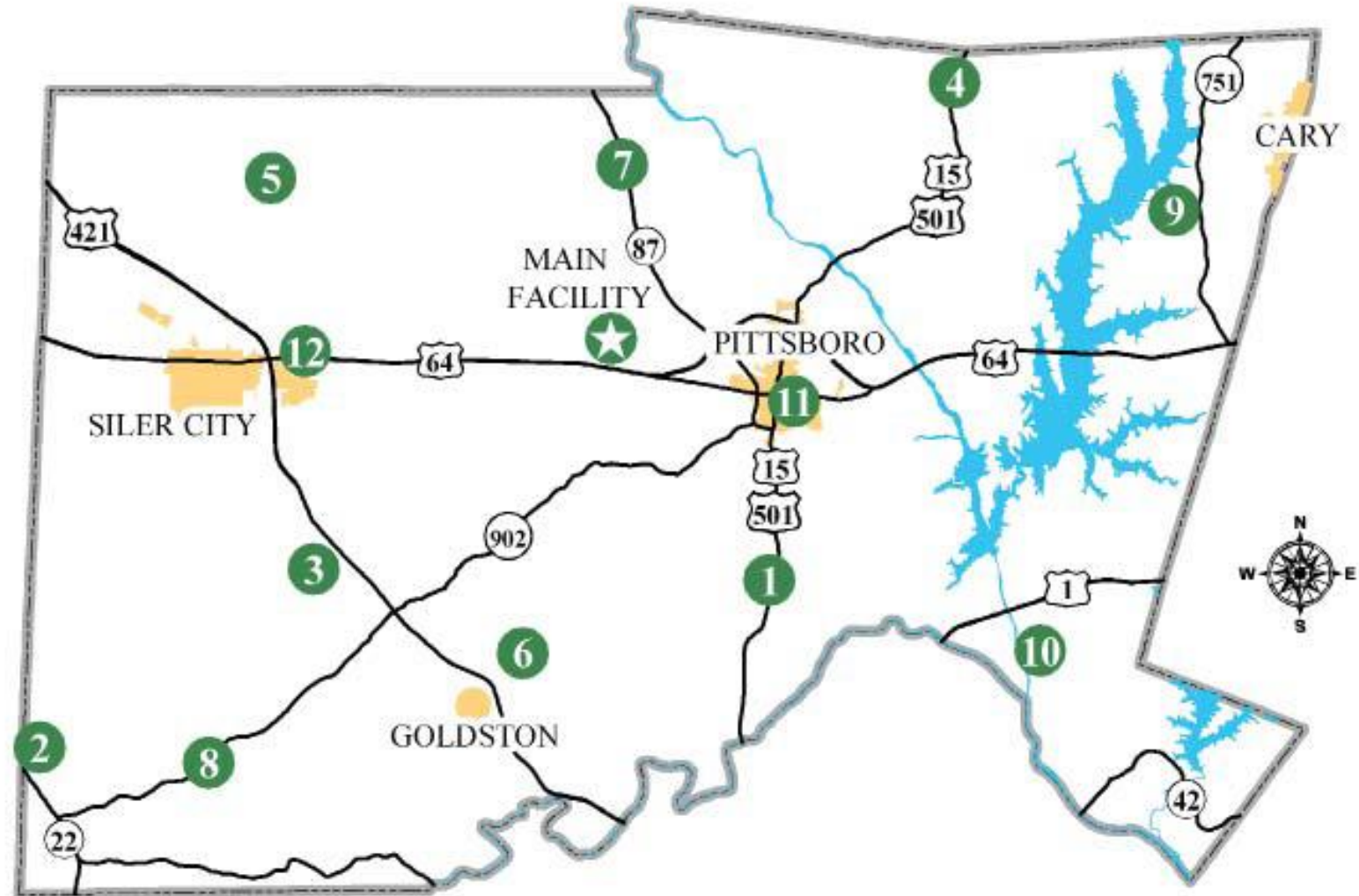
12 Collection Centers

FY 2018:

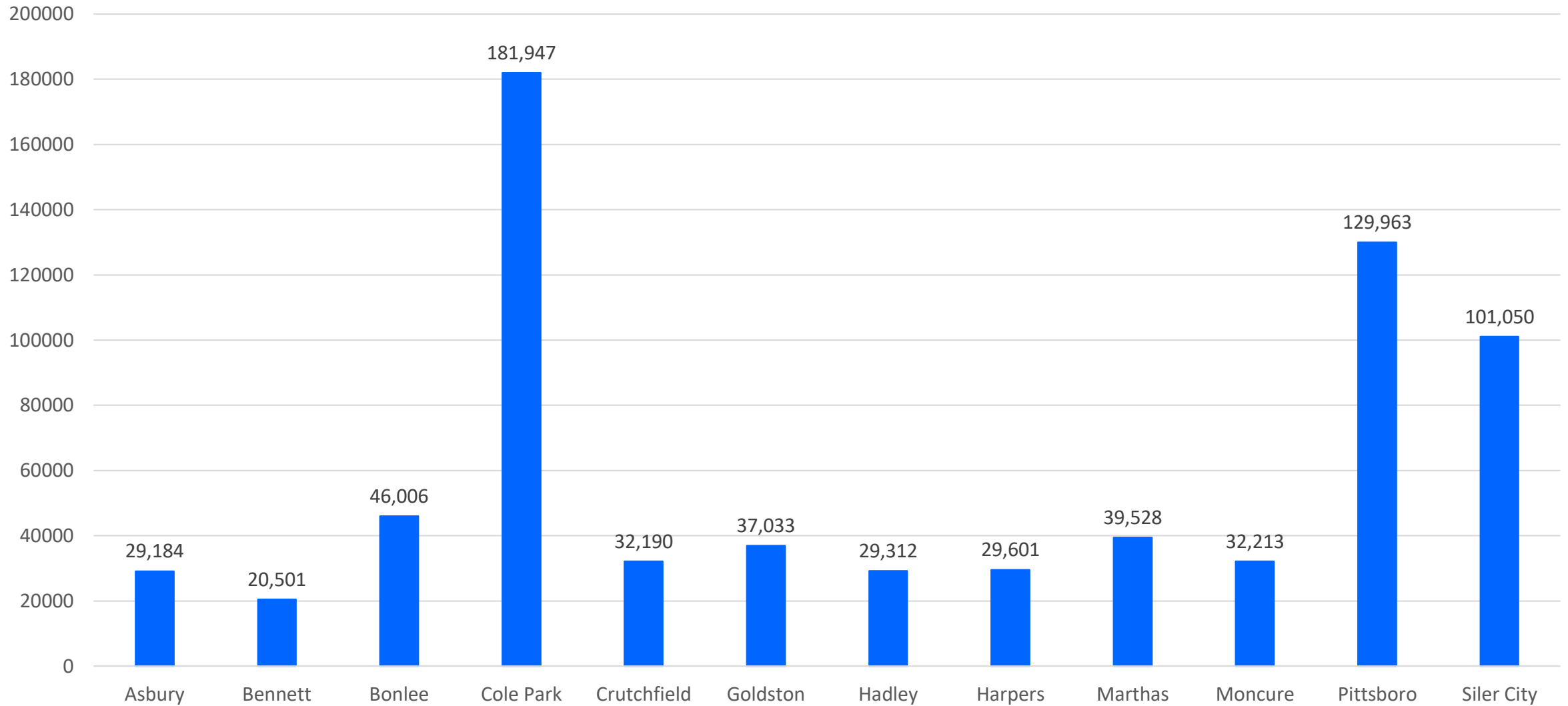
~708,528 Total Visitors

~11,900 tons of trash

~2,055 tons of recyclables



Visitation by Center



Pittsboro Collection Center



Operating Hours

- All centers open:
 - Monday, Tuesday, Thursday, Friday, and Saturday 7am to 7pm
 - Sunday 1 to 7pm
 - Only four centers open Wednesdays 7am to 7pm
- All centers are manned with at least one attendant
 - Busy centers have two or three attendants during busiest times
- Staffing services provided by contractor
 - \$733,000 in FY 2018

Collection Center Staffing

The contractor provides:

- Site supervisors (Captain & Lieutenant)
- Attendants
- Recruitment, hiring, and initial training
- Uniforms
- Personnel Protective Equipment
- Paperwork
- Disciplinary actions and dismissals

The county provides:

- Schedule for centers
- Office building
- Operations Manual
- Ongoing communication
- Annual training
- Telephone
- Tools and supplies

Switching to Mixed Recycling

- Improve operations
- Increase recycling
- Decrease disposal costs

Single Stream or Single Stream Minus Glass?

Request for Proposals

- Three options in RFP
 - 1) Single Stream
 - 2) Single Stream Minus Glass
 - 3) Glass Only
- Could submit a proposal for just one, two, or all three options

Proposals Received

- Two proposals provided pricing for options 1 and 2
- One proposal provided pricing for options 1, 2, and 3
- One provided pricing for option 3 only



Two Contracts

Sonoco- mixed recycling

Strategic Materials- glass

Mixed
Recycling

Glass bottles and jars
recycled separately

Hub and Spoke System

- 4 centers have compactors
 - Taken straight to market
- 8 centers have A-frame containers
 - Brought to our Recycling Station
 - Compacted and taken to market
- All material hauled is compacted



Recycling Station

Mixed Recycling Containers at the Collection Centers



25 yd A-frame

Compactor with 40 yd Receiver Box





Entrance to Recycling Station



Recycling Station



Tipping Floor



Hopper



Compactor from behind Recycling Station

Project Costs & Timeline

Item	Actual Cost
Recycling Station	\$340,000
Compactors	\$164,032
Britespan	\$48,500
Concrete Pads & Bollards	\$46,397
Electrical	\$23,692
Plumbing	\$14,900
Signs	\$2,390
Concrete Blocks	\$2,200
Miscellaneous	\$6,055

Total project cost= \$620,000

- September 2015: Request for qualification issued
- September 2016: Construction started
- December 2016: Substantial completion
- January 2017: Switch to mixed recycling

Improved Operations

- Less mileage, less fuel
- No more front-loaders
- Reduce number of hauls to market
- FY 2018 Mixed Recycling Hauls:
 - Total: 895
 - A-frames to recycling station: 628
 - From recycling station to Sonoco: 77
 - From collection centers to Sonoco: 190

Glass Bunker



Glass Recycling

FY 2018

- Collected- 875 tons
- Received from SMI - \$17,500
- Trucking cost- \$5,025
- Difference- \$12,475



Increase Recycling

- Making it easier to recycle
- Expand the list of acceptable items
 - Now includes plastic to-go style containers, rigid plastics, and pizza boxes
- Increase in participation
- Increase in recycling tonnage

Fiscal Year	Recycling Tonnage	Percent Increase
2016	1204	
2017	1660	38%
2018	2055	24%

Educating the Residents

- Developed material accepted list
- Trained attendants
- Updated signage at the centers
- Updated website
- Sent mailer with decal
- Press release



Recycling Bin Give-a-way

Grant to purchase 4,650 recycling bins



How do you get info about the centers?	Number of Responses
Attendant	867
Mailer	612
SW&R Website	209
From family, friend, neighbor, etc.	201
Main Facility	106
Local newspaper	46
Facebook	33
Other website	16
Radio	14
Twitter	3
County emails	3
TV	1

Thank you!



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