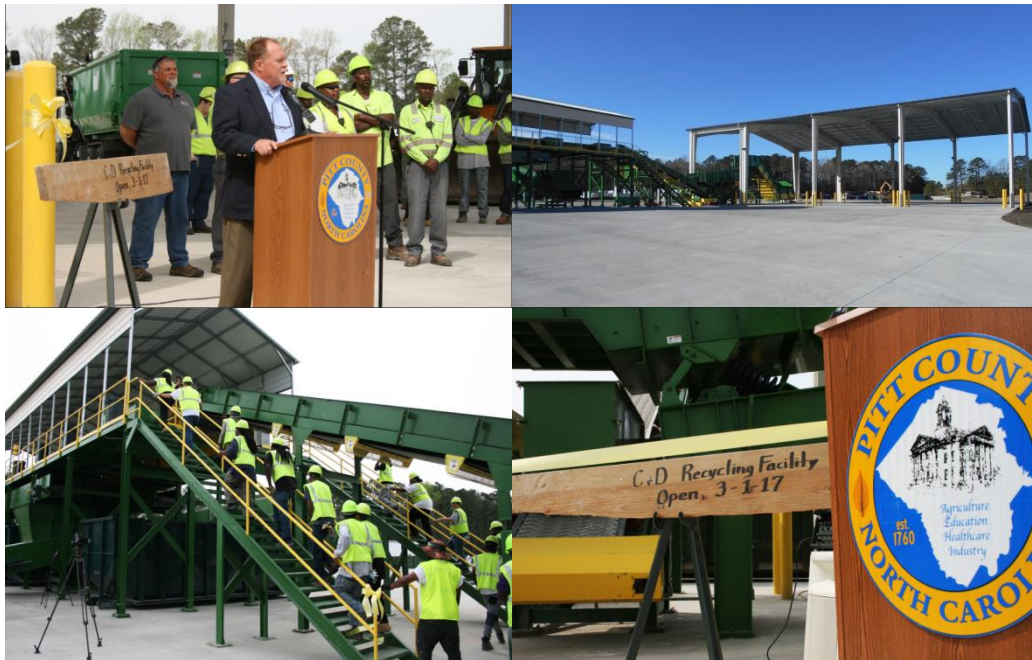




Construction & Demolition Recycling Program (C&D)

John Demary
Pitt County Director,
Solid Waste and Recycling



The **Pitt County Construction & Demolition (C&D) Debris Recycling Facility** officially opened on April 5, 2017.

The project cost approximately \$2M, and followed the U.S. Green Building Council's (USGBC) **Leadership in Energy and Environmental Design (LEED)** standards.



Transfer Station Tipping Fees

Residential Waste = **No Charge**

Commercial or Non-Residential Waste = **\$45 per ton**

Construction and Demolition Debris = **\$40 per ton**

Household Fee = **\$71 per year**



*Data is from fiscal year 2016 / 2017

- 24,152 Tons Received
- 12,679 Tons sent to Landfill

Materials Recycled

- 5,233 Tons of Shingles
- 352 Tons of Carpet
- 1,052 Tons of Drywall
- 145 Tons of Ridge Plastic
- 14,01Tons of Metals
- 6,141 Tons of wood/pallets
- 30 Tons of Vinyl Siding
- 500 Tons of Cardboard

	FY 15-16	FY 16-17	FY 17-18	
C&D Received	17,955	22,488	24,152	
Landfill	17,236	19,801.37	12,679	

*Data is from fiscal year 2016 / 2017

Materials Recycled

	FY 15-16	FY 16-17	FY17-18
Shingles	4725	6658	5233
Carpet	257	261	352
Gypsum / Drywall	882	984	1052
Ridge Plastic	0	20.41	145
Metal	311	820.60	1,401
Wood / Pallets	2768	2120	6141
Vinyl Siding	0	13	30
Cardboard	240	242	500
Fines	0	344	860

*Data is from fiscal year 2016 / 2017





Sheetrock / Gypsum

Wood Pallets



Carpet



Cardboard



Vinyl

Block/Brick &



Metal



Ridge Plastic

Manual vs. Line Picking



Manual

VS.



Line

How did we get there?

- Visited facilities in Maysville, New Hanover County, and Virginia
- Met with vendor to obtain recommendations and budgetary cost
- Prepared multiple concepts with cost estimates for evaluation
- Selected the preferred site layout
- Met with NC Solid Waste Section regarding requirements
- Discussed Storm Water Management requirements with Greenville, NC
- Met with Greenville Planning Department regarding site plan requirements
- Obtained direction from Greenville Utilities Commission on electrical service
- Obtained survey information from previous surveys of the site
- Submitted Operations Plan Amendment to NC Solid Waste Section
- Site Plan Submission to the City of Greenville

- Prepared a summary of lessons learned from similar facilities
- Finalized equipment layout for optimal material flow and safety
- Reviewed with operations staff on site
- Prepared Construction Documents
- Vetted documents with County staff and equipment vendor review
- Obtained regulatory and local government approval
- Opened to bids for **1) Equipment** and **2) Building and Site Work**
- Began construction on September 6, 2016
- Completed Final Inspection on February 28, 2017
- Began operations on March 1, 2017
- Held Ribbon Cutting Ceremony on April 5, 2017

Cost Summary

+ Building	\$324,000
+ Site Improvements	\$425,000
+ Electrical	\$40,000
+ Shipping and Setup	\$758,000
+ 10% Contingency	\$155,000
+ Construction Estimate	\$1,700,000
+ Administration	\$98,000

Total Project Cost **\$1,800,000**

Under Budget **\$149,144**

Total Final Cost **\$1,799,851**































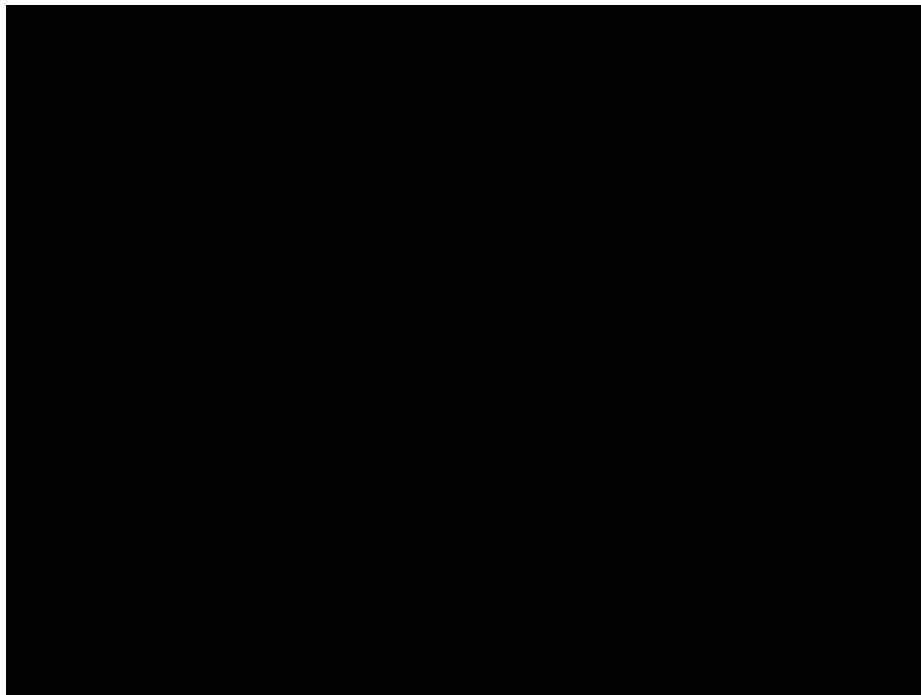






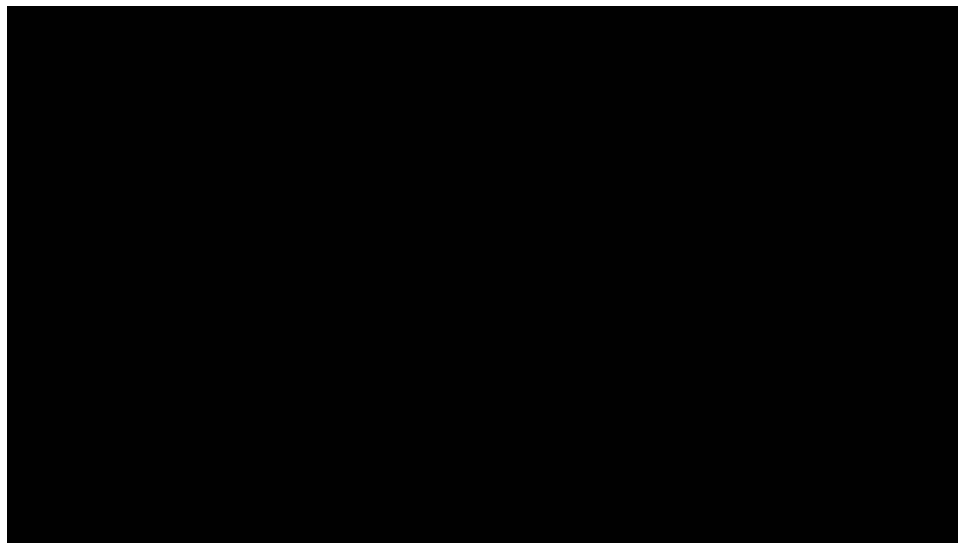


MetalTech Video





Timelapse Video





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