Creating End Markets

The process and challenge.
Company Glance

- Founded In 2001
- Over 60 years combined industry experience
- Women Owned & Family Operated
- Serving North Texas
- Over 145 Employees
- 3 Recycling Facilities
  - Commercial
  - Construction
  - Wood Processing/Landscape Products/Biochar
- Over 60 Trucks
  - Roll Off, Front Load, Rear Load, Transfer Trailer, Box Truck, Container Delivery
Containers are placed on construction sites for commingled recycling.

Containers are collected and taken to our C&D recycling facility for processing.
Processing

- Loads are dumped, graded, and processed through our sorting system.
- Various materials are pulled mechanically and manually.
Common Material Streams

- Concrete
- Brick
- Wood
- Cardboard
- Fines
- Metal
- Plastics
- Sheetrock
Highest Volume By Type

- C&D Fines
- Wood
C&D Fines Challenge

- Understand our true volume of fines generated
- See if current fines size had an end market (2.5”) if not...
- Design a new solution based off testing volume and size
- Market the fines once again with the new size reduction
- Test the fines to see what additional markets can be identified or created.
Fines Solution

- Add additional fines line with size reduction to 3/8”
- Reduced labor cost from previous process of “cleaning” our fines
- Recapture additional small aggregate by rerouting “overs” back into the Density Separator.
- Created more aggregate material
- Capture smaller metals with magnet in fines
- Created 3/8” clean fines product which is used for
  - Solidification
  - Daily Cover
  - Backfill
  - Soil Amendment
Wood Challenge

- Wood makes up 55% of our total inbound volume
- Identify the available markets in the area
- Available local markets
  - Biomass
  - Mulch
  - Playground Material
  - Solidification Material

Educate our end users on product and benefits of available volume both in construction and commercial use.
Mulch Market
Wood Market Conditions

- Market conditions changed
- End users were full of material and not accepting volume
- Volume continues to come in
- Decisions need to be made
  - Stockpile or landfill (safety & expense)
  - New solutions need to be identified
Next Level Wood Processing

- Identify a sustainable wood solution
- Research and self educate
- Welcome Biochar
  - Research and development
  - New facility to accommodate all wood processing including Biochar
  - Permit facility
Biochar Overview

- Volume Reduction
- Metal capture via crossbelt magnet
- Creation of end markets that were not available to us prior to this technology
- Another step to become more vertically integrated
- More growth opportunity for wood processing in new markets
Biochar Sample Markets

- Soil applications
- Composting
- Wastewater Treatment Plants (Filter)
- Stormwater Management

The Future

- More R&D
- Educate potential end users
- Additional machine for more production
Contact Information

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