ReCommunity Delaware

NERC CONFERENCE
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What we’ll cover

- ReCommunity Overview
- Mid-Atlantic Region
- ReCommunity Delaware/Results
- Market Conditions/Evolving ton
- Next step in Recycling Right: IQ and Education
RECOMMUNITY OVERVIEW
ReCommunity

- ReCommunity is the largest pure-play recycling company in the United States
- With 32 facilities in 14 states, ReCommunity helps our community partners to create additional revenue, create new jobs, and create a better future
- 30+ years of industry leading experience
- More than 1.7 million annual tons processed in 2013
- More than 1500 employees
- Headquartered in Charlotte, NC
Facility Map

ReCommunity Stats:
- 32 Facilities
- 28 MRFs
- 4 Transfer Stations

ReCommunity Locations
NO CONFLICTS
No Conflicts: A “Pure Play” Model

- No conflicts mean:
  - We don’t own landfills.
  - We don’t own collection trucks.
  - We don’t own paper mills.
  - We are focused on maximizing recovery.
  - We are focused on selling to the best end markets.
  - We designed our model that way.

- We don’t own collection trucks, landfills or paper mills because if we did, our decisions would not be based solely on maximizing recovery and revenue for communities.
Mid-Atlantic Overview

- 7 Single Stream MRFs
- 4 Transfer Stations
- Partnerships with 150+ municipalities
- Invested $30+ million in Mid-Atlantic
- 920,000 tons of annual processing capacity from NY to Philadelphia
ReCommunity has been a trusted recycling partner to the Delaware Solid Waste Authority (DSWA) since 2007.

On June 8, 2010 the State of Delaware signed the Universal Recycling law requiring all haulers to provide curbside collection and a cart for recyclable materials.

The DSWA recognized the Universal Recycling Law would require an in-state processing solution and issued an RFP for a 20-year term contract to re-purpose an existing recycling campus that was dormant for many years.
ReCommunity responded by providing a solution to repurpose the existing DSWA asset and design/build/operate a state-of-the-art MRF.

On February 14, 2012 ReCommunity executed a 20-year agreement with the DSWA.

ReCommunity invested $15 million to install a leading-edge BHS processing system by repurposing two existing buildings with a total of 64,000 square feet at the DSWA’s Delaware Recycling Center (DRC).
RePurposing DRC

**LEGEND**

1. DSWA Administration Office (AO)
2. DSWA Scalehouse (SH)
3. DSWA Electronic Goods Transfer Building (EGT)
4. Intermediate Processing Building (IPF)
5. Dry PROCess Building (DPB)

*Lands of the Delaware Solid Waste Authority (70 Acres)*
Overall Project:

- $15 Million
  - $2 Million facility upgrades
  - $13 Million in Equipment
- 90 new Delaware jobs
- 20 year contractual commitment
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Grand Opening
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- 90+ green jobs
- 35 tons per hour of single-stream
- Capable of processing 150,000 TPY
- Currently processing 11,000+ tpm
- Currently serves communities in DE and MD
ReCommunity Delaware

- 2 processing lines
- 2 balers
- 5 optical sorters
- 35 tons per hour of single-stream
- Less than 13% residue rate
Tonnage Results
Contract tonnage trend

Tonnage into the DSWA contract

ACR in relationship to Oil Prices

ACR vs Oil Prices

Average ACR = $108

Oil futures suggest slow commodity price growth

$66\textsuperscript{I}$

$46 - 48$

7.5% CAGR


EVOLVING TON
Changing Stream Composition

- ONP has declined 50% from its peak in 2000

- Light-weighting
  - Single serve PET bottle weighs 9.9 grams nearly 50% lighter than in just 2000.
  - Aluminum cans: the 1st AL cans weighted 28 grams. Today they are less than 13 grams over 50% lighter.
  - HDPE – a one gallon jug is 30% lighter. Plus many detergents have converted to concentrated formulas resulting in packaging that is 50% smaller than previously used.
  - Metal – Coffee is quickly converting to non-recyclable single serve pods or flexible packaging.
Changing Stream Composition

- **Flexible Packaging:**
  - Is currently one of the fastest growing packages replacing Aluminum food cans, PET and HDPE
  - 1.5 pounds of flexible packaging replaces:
    - 50lbs of glass
    - 6lbs of Rigid PET
    - 3lbs of Aluminum
- Aseptic and Gable top Containers are taking market share from Tin, HDPE and glass.
Single Stream

WHAT NEXT
DON’T THROW AWAY OUR FUTURE

RECYCLE, RECOVER, REINvest

At ReCommunity, recycling is about much more than collecting and processing tons of recyclables with our community partners. We believe in the restorative power of recycling and what it can do to create jobs, to create revenue and create a positive future for communities.
Inbound Quality Pilot Program

- Inbound Material Inspections to focus on Delivered Stream Quality
- Provide Customers with timely information on non-conforming materials in the stream
Operations and Personnel Safety Plan

- Staging Area selected by Plant Manager
- Site specific- Signage, drop gates and/or barriers and chains used to establish inspection area
- Safety Protocol Established for Tip Floor Personnel
- Inbound trucks selected at random and directed to inspection area
- segregated from main pile of inbound material
- Material tipped and spread by loader or skid steer
Inspections

- Inspectors in staging area - Safety First
- Trained to look for non conforming items
  - Reference board posted
- Inspection recorded on electronic tablet using simple form and photos to capture material make-up
- Inspector on Tip Floor has ability to provided information in real time through tablet and radio communication with scale operator
EDUCATION
DSWA wanted state-of-the-art education facility for residents and students

Renovated old 3,000 sq. ft. office building

New windows, knocked down walls, new carpet

2 education coordinators
ReCommunity and DSWA worked together to plan, design, and build leading-edge education space.

- Includes multiple touchscreen displays
- Interactive recycling games
- Educational sustainability kiosks
- Unveiled at Public Open House
Virtual MRF Tour

Interactive MRF

Animated Recycling Videos

Teacher-approved Recycling Lesson Plans

Acceptable Materials Posters

Annual Sustainability Reports
Virtual MRF Tour

Feel free to look around, watch videos and learn more about the recycling process.

CLICK HERE TO START
THE NEW GUIDED
VIRTUAL MRF TOUR
OCC Screen
The OCC (Old Corrugated Cardboard) screen separates large cardboard from the material flow. Paper, small cardboard and other small materials are screened off. The OCC Screen is generally placed at the beginning of the waste stream.