

Made in Georgia...  
*from recycled materials*  
Spring 2014



**Georgia  
Recycling  
Coalition** INC.

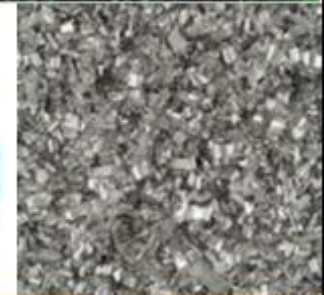
# GA Solid Waste Stats (FY2011)

- **11.67 million tons disposed in MSW landfills**
  - 15% of waste disposed in MSWs is imported
  - Tonnage disposed has declined over the past 3 years
- **1.67 million tons disposed in C&D landfills compared to 4 million tons disposed in FY07**
- **34 years of remaining capacity in MSW landfills**
- **43 years of remaining capacity in C&D landfills**

# Infographics



**More than 100 Georgian businesses use recovered materials to manufacture a variety of products from carpet to paper products. These businesses rely on items such as plastic bottles, metals, glass, newspapers, organics, carpet, and tires collected from residential and commercial recycling programs to use as raw materials in their process. These manufactures are only a part of the recycling industry as "end users" and employ thousands of Georgians.**



# Mapping Project Partnership

EPD received EPA grant in March 2011

- ▶ Provide easy-to-access, searchable map of solid waste infrastructure in “layers”
  - MSW Landfills
  - C&D Landfills
  - Industrial Landfills
  - Processors
  - Transfer Stations
  - **End Markets**
  - Material Recovery Facilities
  - Hubs
  - Compost Facilities
  - *Inert Landfills (2500+)*
  - *Scrap Tire Piles (??)*

# How can layers be used?

- Economic Development Offices
  - Provide quick access to Georgia's solid waste and recycling data
- Emergency Management Officials
  - Ability to locate alternate facilities after an emergency or natural disaster
- Government Agencies (Planners and Solid Waste Staff Members)
  - Update solid waste management plans
- Businesses/Entrepreneurs
  - Provide business data to potential businesses looking to locate in Georgia
- A/E Firms/LEED professionals
  - Locate recyclers for materials (meet requirements for diversion of C&D material)

Company Name	Materials	County
<a href="#">A &amp; A Recycling</a>	metals, ferrous metals, metal appliances, autos, non ferrous metals, aluminum cans, paper, newspaper, Cardboard, office paper, mixed paper, other paper, glass	Fulton
<a href="#">All American Recycling</a>	metals, non ferrous metals, aluminum cans, paper, newspaper, Cardboard, mixed paper, magazines, office paper, PET, HDPE	Muscogee
<a href="#">American Fiber Co. Services</a>	paper, newspaper, Cardboard, other paper, magazines, computer paper, office paper	Fulton
<a href="#">American Office Paper Recycling</a>	mixed paper, magazines, newspaper, office paper, Cardboard	Fulton
<a href="#">American Paper Recycling</a>	Aluminum cans, steel cans, ferrous metals, non-ferrous metals, office paper, cardboard, mixed paper, junk mail, x-ray film, print film	DeKalb
<a href="#">Applegate Insulation Systems</a>	paper, newspaper, mixed paper, other paper	Habersham
<a href="#">Armstrong World Industries, Inc.</a>	Paper.	Bibb
<a href="#">Atlanta Intercel</a>	paper, newspaper, Cardboard, mixed paper, magazines, other paper, office paper	Fulton
<a href="#">Atlanta Paper Recycling</a>	paper, newspaper, Cardboard, mixed paper, magazines, phonebooks, office paper	Fulton
<a href="#">Bomber Batteries</a>	all batteries, starters & alternators. Will pick up under certain arrangements. Also newspaper	Cobb
<a href="#">Bowater Newsprint</a>	newspaper, magazines - buy loose and baled.	Cobb
<a href="#">Bowater Paper Newsprint, Calhoun Operators</a>	newspaper, magazines	Out of State

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Address [http://www.dca.state.ga.us/development/EnvironmentalManagement/programs/recycling/company\\_details.asp?ssid=60](http://www.dca.state.ga.us/development/EnvironmentalManagement/programs/recycling/company_details.asp?ssid=60) Go

## **Caraustar/Austell Boxboard/Sweetwater Paperboard**

3200 Joe Jerkins Blvd.  
Austell, Georgia 30106

**Contact Name:** David Macko

**Phone:** 770 799-3848

**Fax:**

**E-mail Address:** [david.macko@caraustar.com](mailto:david.macko@caraustar.com)

**Web Address:** [www.caraustar.com](http://www.caraustar.com)

**Pick Up:** No

**Rail Access:** Yes

**Operating Hours:** 8-4:30; M-F

**Type of Recycler:** Collector, Processor, Broker, End User

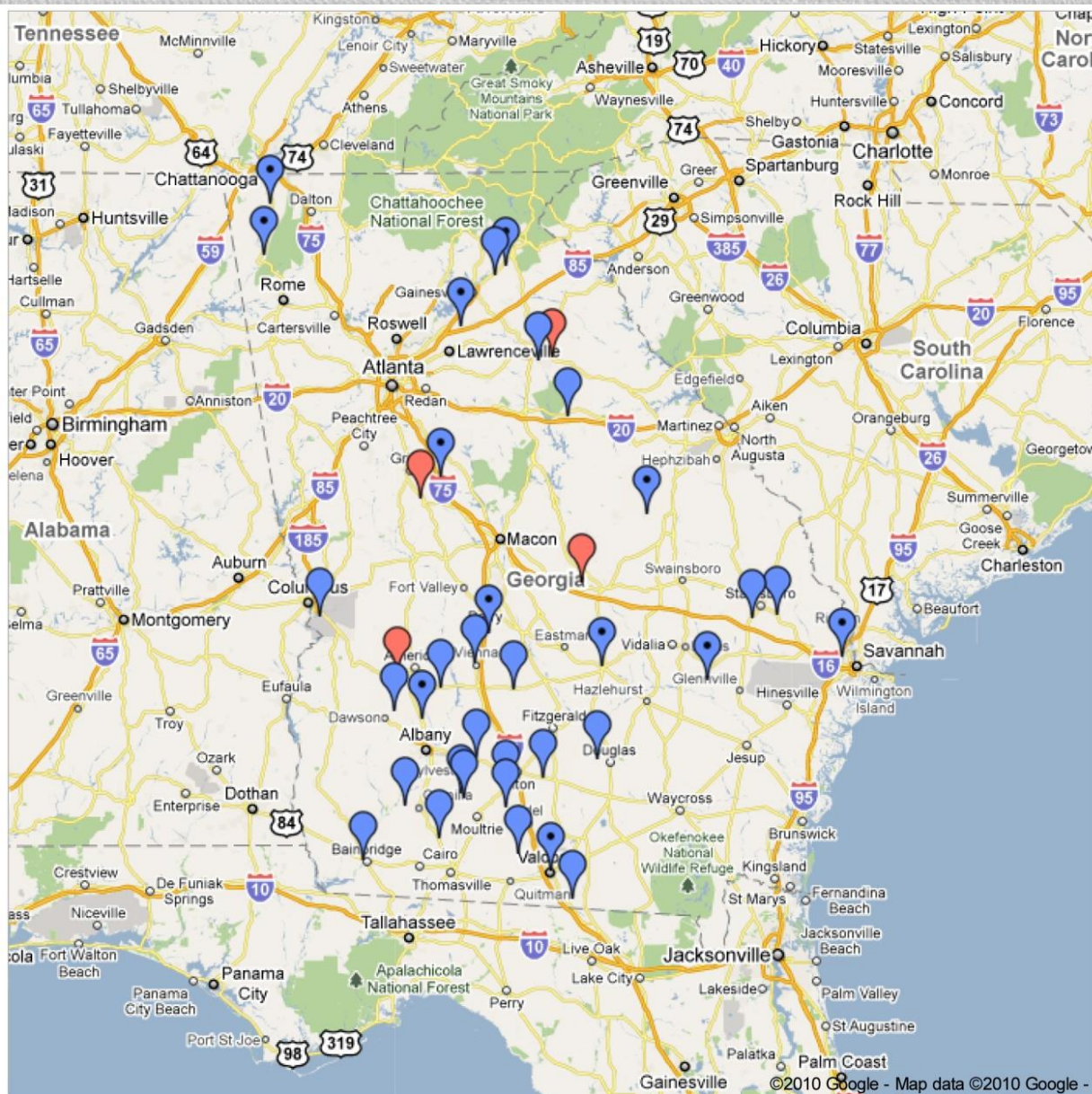
**Notes:** These three mills manufacture a variety of products including gypsum paperboard, cardboard tubing and other 100% recycled content packaging materials.

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### Compost Operations

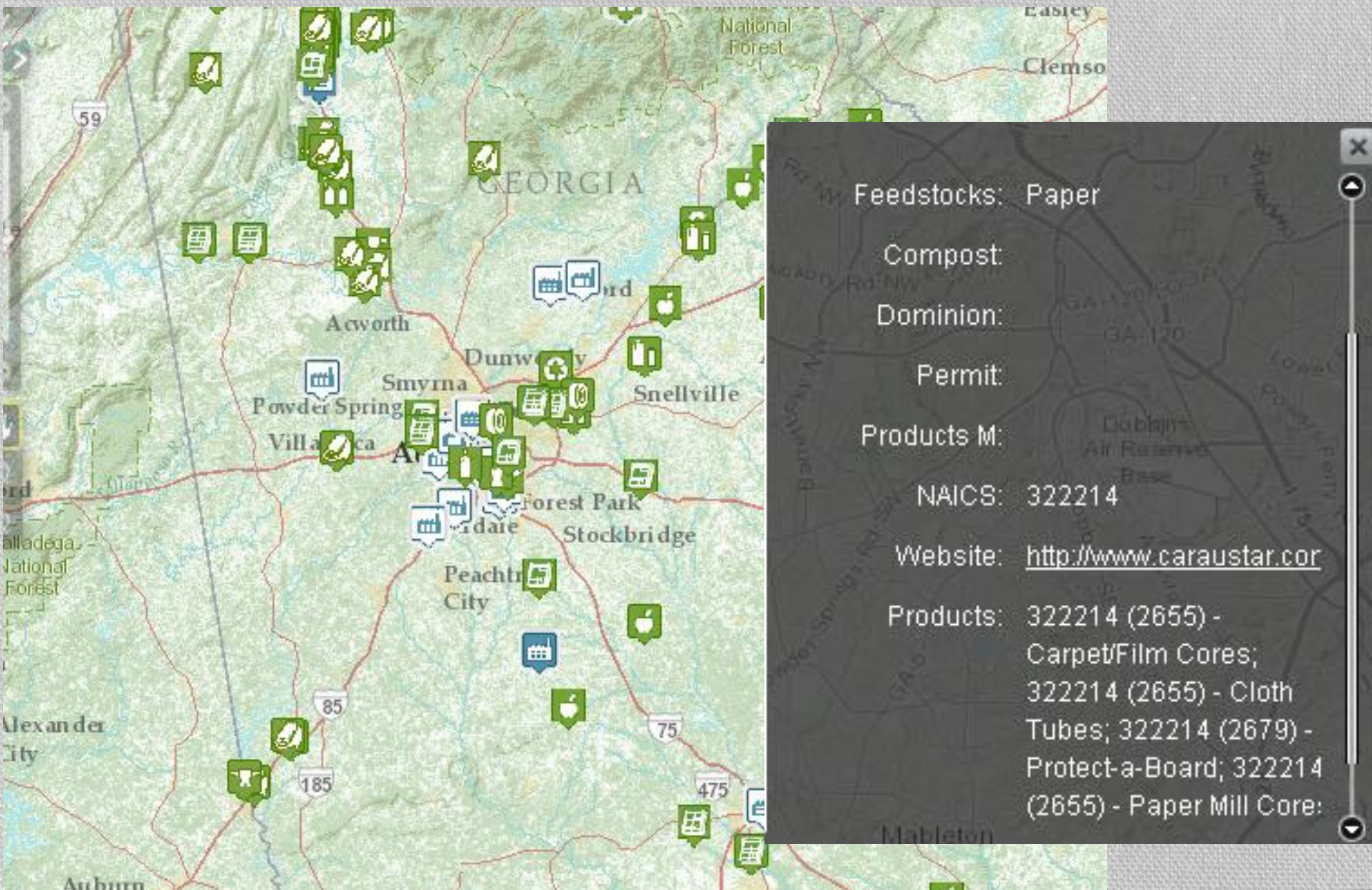
Blue = permit by rule

Blue w/dot = prison

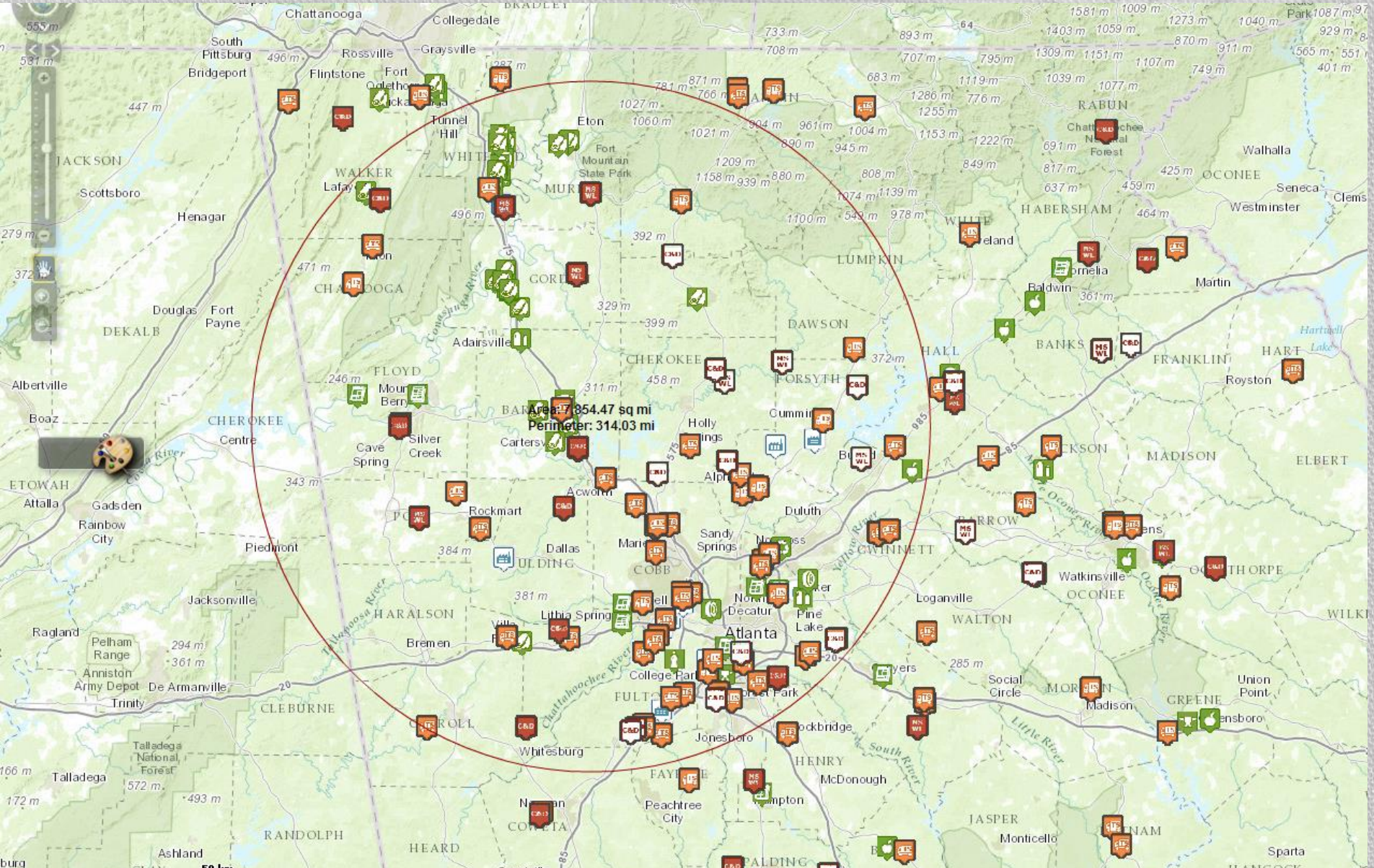
Red = full solid waste handling permit



# Locating Recovered Material Manufacturers




# Business Planning/Economic Development



**Mohawk Industries, Inc.** ✕

Phone Number: 706-857-6481  
Street Address: 106 John Bankson Dr.  
City: Summerville  
County: Chattooga  
Zip: 30747  
Recycled Material: Plastic  
No Employees: 156  
Feedstocks: PET bottles  
Dominion:  
Products: Plastic  
Contact: Tina Clements  
<http://www.mohawkind.com/>

Layers

 Basemap



# GA Dept. Economic Development

**GEORGIA**  
NAMED **NO. 1** STATE IN U.S.  
FOR BUSINESS

Shaw Industries Lowe's AT&T  
Trident Seafoods Purac Starbucks DineX Koch Foods  
AirWatch Baxter Mohawk  
Engineered Floors General Motors athenahealth Hostess Infosys Mattex  
CBS Ernst & Young Hyundai Pratt & Whitney  
Chexar Koch Foods Hubel Xingfa ExactTarget  
Daewon Dirac  
DineX TravelSky Bed, Bath & Beyond Mando RockTenn  
General Motors Lowe's Greenway Medical Caterpillar Hyundai Ethicon  
PointClear Solutions Kubota Toyo Tire  
Engineered Floors Electrolux  
Kia Purac Baxter AT&T Home Depot Mattex  
athenahealth voestalpine Trident Seafoods  
CBS Ethicon Mohawk King's Hawaiian Ernst & Young Hubel Xingfa

Electrolux PointClear Solutions King's Hawaiian Bed, Bath & Beyond  
General Motors Chexar Greenway Medical Kubota  
Toyo Tire Mando ExactTarget Porsche Hubel Xingfa Hitachi voestalpine Kia  
AirWatch DineX RockTenn Koch Foods Mando  
Lowe's CBS FedEx Engineered Floors Pratt & Whitney  
Hubel Xingfa Ethicon Mando  
Toyo Tire Daewon Mohawk Trident  
King's Hawaiian Carter's Infosys athenahealth PointClear Solutions  
Shaw Industries Baxter Engineered Floors Home Depot S  
ExactTarget Hostess voestalpine Ethicon  
Chexar Lowe's Caterpillar  
Electrolux PointClear Solutions Greenway Medical

[LEARN MORE](#)



Made in Georgia... with recycled materials



carpet • geotextiles • road construction materials • auto mats & parts

compost • mulch

newsprint • boxes

construction cores

food packaging

polystyrene foam

metal roofing • paper towels • fireplace logs • glass bottles & jars

aluminum cans • carpet backing • playground equipment



soil blends & conditioners

household floor mats

crumb rubber • tissue

fiber cans & drums

tubes • insulation



# What does it mean?

Collection



# Results thus far.....

- More than **120 Georgia businesses** use recovered materials to manufacture a variety of products from carpet to paper products. These businesses rely on items such as plastic bottles, metals, glass, newspapers, organics, carpet, and tires collected from residential and commercial recycling programs to use as raw materials in their process.



# Georgia-2<sup>nd</sup> largest infrastructure in nation...

- ▶ Georgia's paper industry recycles almost 8% of all the paper consumed in the United States with fifteen (15) paper mills in Georgia using recycled content, eight (8) relying exclusively on recycled fiber.
- ▶ One third (1/3) of all plastic beverage containers recycled in North America get recycled in Georgia by the carpet industry, mainly in Northwest Georgia
- ▶ Novelis, one of the largest aluminum recyclers in the world, processes used beverage cans in Greensboro, GA with its North American headquarters in Atlanta.
- ▶ Three manufacturers in Georgia use recycled glass to make new glass products.

# Parade of Products-program launch @ August 2013 Conference

CARPET--Made in Georgia!

Recycled & made into  
new products in Georgia!



# Parade of Products

PET plastic →

→ Carpet- in Georgia!



# Parade of Products



# Parade of Products

Paper-consumer & industrial



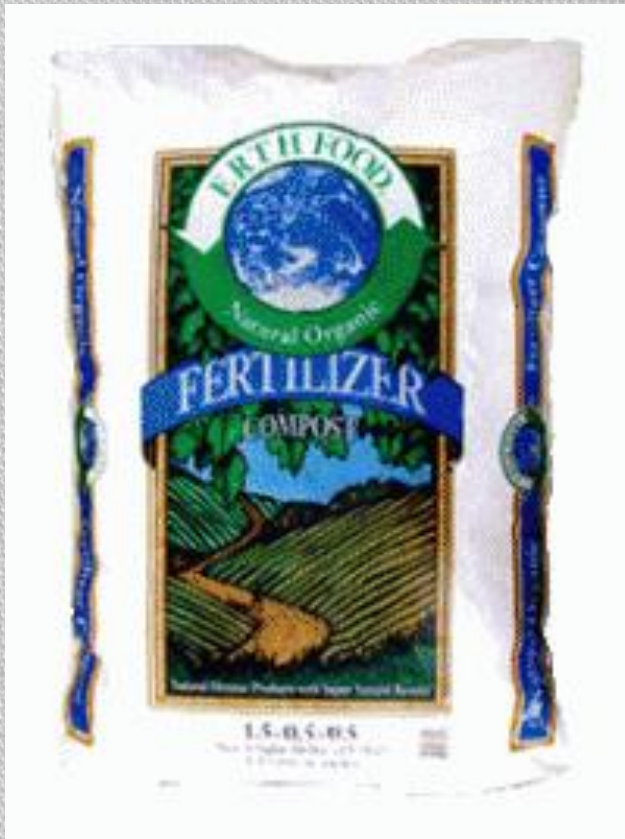
2<sup>nd</sup> largest paper industry in the nation--  
Georgia



# Parade of Products

Compost & soil conditioners

Steel Roofing



# Parade of Products

Okabashi Shoes-Buford, GA

True Closed Loop-  
*Wear, Re-Wear, Recycle*



Okabashi re-introduced over 100,000 lbs of scrap material last year alone, diverting 10 tractor trailers full of waste from our landfills.

# Result-Jobs & Revenue to Local Communities





# Results-Better Materials Management



- On any given day, you may be walking on, drinking from, reading off, wearing, driving in, eating from, printing on, or planting with... a recycled content product!

# Result-Environmental Benefits

- **Recycling is one of the easiest ways to save energy, conserve water and protect our natural resources over mining for raw materials.**
- **Production of recycled paper uses 80 percent less water, 65 percent less energy and produces 95 percent less air pollution than virgin paper production.**
- **Recycling plastic reduces the need for virgin petroleum-based plastic. By recycling more plastic, we reduce the need for the production of virgin plastic and that reduces our dependence on foreign oil.**



# Increasing Recovery

- AMERIPEN surveyed the largest 100 cities in the U.S. for their adoption rate of best practices and their effectiveness and efficiency of recovering used packaging materials. This two-year research effort has made it clear that there are areas of opportunity for standardization and best practice adoption that could effectively move the needle on increasing recovery of used packaging in the United States.
- Pay As You Throw-unit based pricing
- Mandatory recycling
- Disposal bans
- State level recycling goals
- Infrastructure
- Access
- Larger curbside carts
- **Education-currently insufficient thwarting peak performance**
- Incentives

# Better consumer behavior via education

- Keep It Clean
- Follow directions
- Recycle Right/Smarter!
- Make it real-no wishing as it becomes residual (aka Dream Recyclers)
- Less popular-*When in Doubt, Throw It Out*
- Better labeling + better signage



# What does our future hold?





For more info:

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