



Carpet Recycling Overview for:

PSI Carpet Meeting

May 14th, 2014

Sean Ragiel – President

CarpetCycle, LLC



Carpet Cycle, L.L.C.

Founded in 1999 - Dover, NJ

2001, Moved to Elizabeth, ~18,000 SF facility for 11+ years

Moved to 50,000+SF Newark facility March 1st 2012

**Provide PCC and ACT recycling services –
collection/sortation/baling**

**Provide interior demolition service which earns LEED credits
for your project**

We employ 42 full time employees

Have diverted over 200MM lbs since inception

Over 18 million pounds PCC reclaimed in 2013

Target goal is 24 MM pounds PCC reclaim in 2014



Our Process Steps:

Assess the Project & Design an Efficient Plan

Provide a Competitive Quote

Perform Removal - Sort - Collection

Meet Recycling Specification at our facility

Broadloom Carpet Fiber Type

Carpet Tile Backing Type

Ceiling Tile Type

Ship Truckload Quantities

Approximately 20 tons or 90,000 SF per truck

Where carpet types do we encounter in the US?

1) Residential Broadloom:

~50% Nylon Face Fiber Content (dropping)

~8% Polypropylene (dropping)

~35%+ PET and INCREASING

~5% Other types; Acrylics, PTT, Wool

2) Commercial Broadloom

~95%+ Nylon Face Fiber Content

~5% PP and other

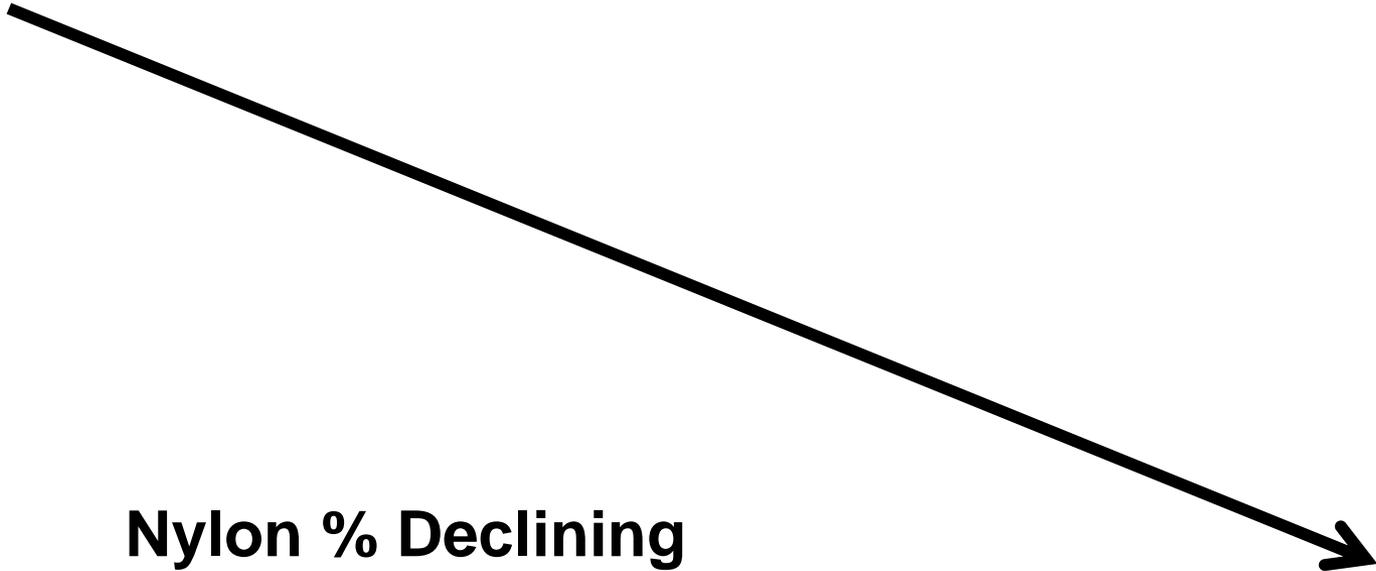
3) Carpet Tiles (Backing type important)

~75% PVC Backed, close loop recycled

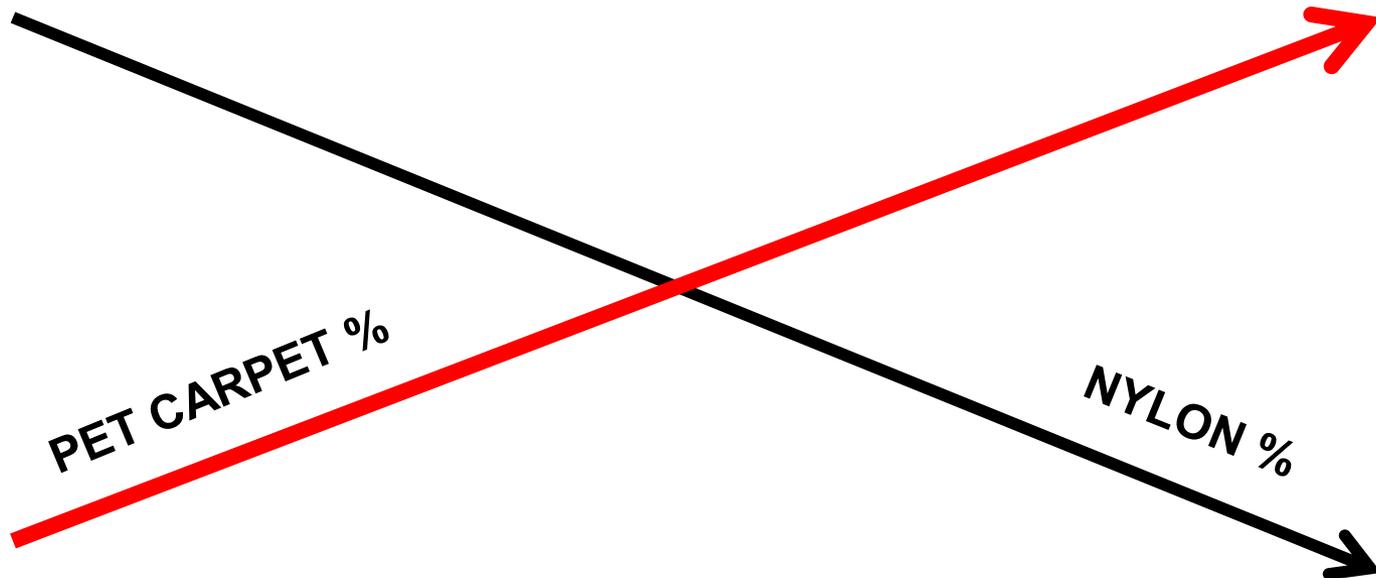
~25% Other, Urethane Cushion, bitumen etc

**--Typically some donation but mostly WTE
disposition**

Our target is always changing.....



Our target is always changing.....



PET % CONSISTENTLY INCREASING

Where does the carpet go???

Donation for Re-Use

Carpet Tile to Carpet Tile

Carpet Yarn to Recycled Content Yarn

Engineered Resins

Injected Molded Parts

Auto-Industry

Plastic Lumber: Mostly PP residue

Energy from Waste “EFW”

Displaces coal to fuel cement production



SORTING POLYMER TYPE WITH BRUKER



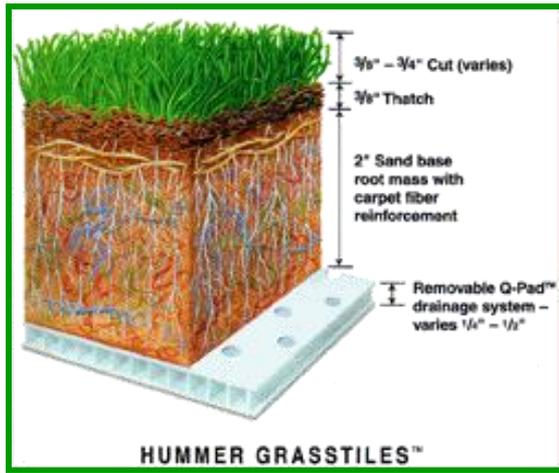
From This



To This



To This



THE FUTURE??

- In order to further the triple bottom line of:

PEOPLE, PLANET, PROFIT.....

- Thoughtful changes must take place to increase carpet diversion from landfills.
- 4 Key issues to be discussed this afternoon
- THANKS FOR LISTENING