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.....

Nylon % Declining
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