2010 CARE Annual Survey

How to Report the Volume of Post-Consumer Carpet Diverted and Recycled in 2010
Agenda

- Purpose of the Survey
- Changes Made in 2010
- Survey Overview and Tips
- Example Survey Response
- Q&A
CARE Annual Survey Purpose

- To collect the most accurate and complete data on post-consumer carpet diversion and recycling, each year, in the US
- To analyze and include this information in the CARE Annual Report, in order to fulfill the requirements specified in the CARE MOU
Changes in Survey for 2010

- Request for more detailed data on diversion, reuse, recycling, energy and landfill
  - Anticipate that this information will be required for future MOU and for California AB 2398

- Elimination of some questions to simplify survey
  - i.e. post-consumer and post-industrial
  - Inventory
Survey Overview

- 11 questions in length
- 10 minutes (if prepared)
- Signature page required
Tips for taking the survey

- Please have your data handy:
  - Volumes handled at each stage of the process
    - Collected
    - Sorted
    - Processed
    - Manufactured
  - Material Flow (see flow chart)
    - To the next step in the process
    - Reuse
    - Energy
    - Landfill
    - Etc
Collector

Sorting Facility

First-Level Processor

Manufacturer

Finished Products

Examples:
- Dealers
- Installer
- Transfer Station

Examples:
- ID Carpet by Material Type
- Cut-to-Size to prepare for processing
- Baling

Examples:
- Shearing
- Shredding
- Hammer Mill

Examples:
- Pelletizing/Compounding/Densifying
- Carpet Fiber/Carpet Backing
- Filler/Carpet Filler
- Carpet Cushion
- Molded/ Extruded Products
- Injection Molded Products
Example

A recycling business person collects 1 million lbs of post-consumer carpet. The recycler sorts and shears this material and sends it to a processor.

Along the way, some of the post-consumer carpet is reused, and some is not able to be recycled, for various reasons, and is either sent to a CAAF or a cement kiln facility, waste-to-energy, incinerator or the landfill.

The recycler tracks the amount of material as it progresses through the process.

For this example, the recyclers would answer the next questions as follows:
Collector

Collected 1 Million lbs of post-consumer carpet, of which:

- 900,000 lbs sent to Sorting Facility
- 10,000 lbs were reused
- 50,000 lbs sent to Waste-to-Energy
- 40,000 lbs went to Landfill
Sorting

- Collected 1 Million lbs of post-consumer carpet, of which:
  - 900,000 lbs sent to Sorting Facility
  - 50,000 lbs sent to Waste-to-Energy
  - 10,000 lbs were reused
  - 40,000 lbs went to Landfill

- 900,000 lbs of post-consumer carpet was available for sorting:
  - 700,000 lbs went to the First-Level Processor
  - 100,000 lbs were reused
  - 0 lbs went to CAAF or cement kiln
  - 50,000 lbs went to waste-to-energy
  - 50,000 lbs went to the landfill
First-Level Processor

- Collected 1 Million lbs of post-consumer carpet, of which:
  - 900,000 lbs sent to Sorting Facility
  - 50,000 lbs sent to Waste-to-Energy
  - 10,000 lbs were reused
  - 40,000 lbs went to Landfill
  - 900,000 lbs of post-consumer carpet was available for sorting:
    - 700,000 lbs went to the Processor
    - 100,000 lbs were reused
    - 0 lbs went to CAAF or cement kiln
    - 50,000 lbs went to waste-to-energy
    - 50,000 lbs went to the landfill
- 700,000 lbs of post-consumer carpet was available for Processing
  - Produced 210,000 lbs of sheared material
  - 100,000 lbs went to CAAF or cement kiln
  - 100,000 lbs went to waste-to-energy
  - 290,000 lbs went to the landfill
Manufacturer

- Received 210,000 lbs of sheared material
  - Manufactured 150,000 lbs of finished product
  - 20,000 lbs went to another manufacturer/feed stream
  - 10,000 lbs went to CAAF or cement kiln
  - 10,000 lbs went to waste-to-energy
  - 10,000 lbs went to incinerator
  - 10,000 lbs went to the landfill
Manufacturer

- 150,000 lbs were Manufactured into product
  - 100,000 lbs went to Engineered Resins
  - 50,000 lbs went Molded/Extruded Products
Survey Timeline and Deadlines

- Survey will open for data collection on February 1, 2011
- Survey responses must be received by February 28, 2011
- The first 20 respondents will receive a $25 Amazon gift card for participating
Survey Link

- Survey will open for data collection on February 1, 2011

- You may enter the survey at the following link:
  
  http://www.surveymonkey.com/s/2010_CARE_Annual_Survey
Questions?

If you have questions about the 2010 CARE Annual Survey, please contact Jeremy Stroop at jstroop@carpetrecovery.org