

CARPET RECYCLING AND GREENHOUSE GAS SAVINGS

Carpet recycling yields some of the strongest resources savings¹ – especially in terms of net avoided greenhouse gas (GHG) emissions – of all the materials that can be currently recycled. In the latest life cycle assessment of solid waste management and greenhouse gases from the U.S. EPA^{2,3}, carpet comprises a significant fraction of the waste stream that contributes to global warming and waste management challenges.

The EPA study estimates that recycling carpet results in a net GHG emission of -1.96 metric tons of Carbon Equivalent per Ton of carpet (MTCE/Ton). This is a dramatic GHG impact – Chart below shows the net GHG emissions from recycling several other common materials – only aluminum yields greater positive impacts.

Material Recycled	MTCE/ Ton Recycled
Aluminum Cans	-3.70
Carpet	-1.96
Mixed Metals	-1.43
Copper Wire	-1.34
Mixed Paper	-0.96
Corrugated Cardboard	-0.85
Dimensional Lumber	-0.67
Personal Computers	-0.62
Steel Cans	-0.49
Tires (re-treading)	-0.05

Net GHG Emissions from Recycling
(in Metric Ton Carbon Equivalent per Short Ton Recycled)

¹ www.carpetrecovery.org/080513_2007_Assessment_Comment.php

² www.epa.gov/climatechange/wyacd/waste/SWMGHGreport.html

³ www.epa.gov/garbage/pubs/mswchar05.pdf

ABOUT CARPETCYCLE

CarpetCycle provides interior demo & recycling services for all commercial renovation projects from Maryland to Maine. Recyclable items include Carpet, Ceiling Tiles, Gypsum board, and white VCT tiles. Since 1999 we have diverted over 75 million pounds of carpet from landfills.

COMMERCIAL BROADLOOM, CARPET TILE & CEILING TILE

CarpetCycle rips-up and collects thousands of pounds of commercially generated post-consumer carpets each month.



- All post-consumer carpets processed by CarpetCycle can be re-used, recycled, or diverted from landfill for energy recovery
- All types of ceiling tile can be recycled or re-used
- Why pay to fill-up our nation's landfills when the spent construction materials can be re-used and recycled???

COMMERCIAL COLLECTION SERVICE

CarpetCycle continues to expand its collection services in the Northeast Region to:

- Commercial building owners, property managers
- Commercial carpet retailer and installers
- Local office buildings undergoing renovations

CALL CARPETCYCLE TODAY!

Call us today to schedule your free consultation. A CarpetCycle representative will visit your site to verify that materials are recyclable.

For more information, please contact:

Sean Ragiell, President



(973) 732-4858 • sean@carpetcycle.com

16 Herbert Street • Newark, NJ 07105



USGBC - LEED

CarpetCycle is able to provide service that qualifies customers for USGBC LEED points.

- **Materials & Resources (2 Points)**
- **Construction Waste Management**
Divert 50% from Disposal (1 point)
- **Construction Waste Management**
Divert 75% from Disposal (1 point)



CARPET SORTATION



Post-Consumer Carpets are sorted by face fiber and backing type after collection:

- Nylon 66
- Nylon 6
- Polypropylene
- and others.

CARPET SEPARATION SYSTEM



Nylon fiber is recovered via CarpetCycle Shearing Process. The loop is closed when nylon fibers are recycled into new carpet yarns.



All Carpet Types



Ceiling Tiles



VCT Floor Tile



Gypsum Wallboard



Florescent Lights

Your **PREMIER** source
for **LEED** accredited
deconstruction services!



16 Herbert Street • Newark, NJ 07105
(973) 732-4858

www.CarpetCycle.com

Member of



CARPETSM
AMERICA
RECOVERY
EFFORT



Helping preserve
the environment
for future generations.