Post Consumer Plastics End Market Demand
Why Use Recycled Content?

- Huge GHG Savings
- Waste/Ocean Plastics Reduction
- Consumer Preference

Figure 3-6. Global Warming Potential Results for Recycled and Virgin Resins (kg CO₂ eq/kg resin)

Source: Life Cycle Impacts for Postconsumer Recycled Resins: PET, HDPE and PP
Barriers to Recycled Content

- ‘Not enough price advantage over virgin resin’
- ‘Not enough available supply that meets specifications’

Source: End Market Demand for Recycled Plastic
Market Demand for PE PCR in 2016

2015 Total PE Acquired for Recycling: 2.76 Blbs.
- Exported: 0.87 Blbs.
- Reclaimed: 1.89 Blbs.

76% of Total Material Acquired for Recycling
- Exports of reclaimed PE, voluntary survey, incomplete responses, yield loss

2016 PE PCR Capacity: 2.1 Blbs.
- Those only purchasing virgin resin
- Those purchasing PE PCR

2016 PE PCR Purchased: 0.9 Blbs.

Source: 2015 Annual Plastics Recycling Survey and Reports
Source: 2016 End Market Demand Study
Source: 2016 End Market Demand Study

Purchased PCR in 2016 equivalent to 48% of 2015 US lbs. of post-consumer plastic reclaimed
Capacity to Purchase PCR equivalent to 76% of 2015 US lbs. of post-consumer plastic acquired for recycling

Source: End Market Demand for Recycled Plastic

**Current End Markets**

Figure 3: Reclaimed U.S. Post-consumer Film: 2016 End Uses

- **Lumber**: 43%
- **Film/Sheet**: 37%
- **Other**: 20%

Current End Markets

Figure 9
Domestic Recycled HDPE Bottle End Uses
2017

- Non Food Bottles, 37%
- Pipe, 31%
- Film/SHEET, 1.61%
- Lawn/Garden, 5%
- Pallets, 0.1%
- Crates/Buckets, 0.3%
- Lumber/Decking, 7%
- Automotive, 7%
- Other, 10%

Source: 2017 United States National Postconsumer Plastic Bottle Recycling Report
FIGURE 11: RPET used by Product Category in 2017 (MMlbs)

- Fiber: 47%
- Sheet & Film: 21%
- Strapping: 8%
- Food & Beverage Bottles: 19%
- Non-Food Bottles: 4%
- Other: 1%

Source: Postconsumer PET Container Recycling Activity in 2017
Current End Markets
FIGURE 1: PET Material Flows in the US (MMlbs)

Source: Postconsumer PET Container Recycling Activity in 2017
Future of Scrap Plastic End Markets
Brands Committing to Recycling

- **Unilever**: 25% recycled content by 2025
- **Pepsi**: 33% recycled content bottles by 2025 (25% for all plastic packaging)
- **Coca Cola**: 50% recycled content by 2030
- **Walmart**: 20% recycled content by 2025
- **Danone**: 25% recycled content by 2025
- **Colgate-Palmolive**: 25% recycled content by 2025
End Market Support

- State and Local Government Purchasing Preference
- Recycled Content Requirements
- Become an APR Demand Champion
Tools to Support End Market Demand
Find products made from post-consumer plastic resin
The Buy Recycled Performance Meter gives you a snapshot of a product's Buy Recycled performance. With a quick glance you know what percentage of the product or the products packaging is made from recycled content, what type of plastic resin was used and whether the product has received third party Recycled Content Certification from organizations like UL, SCS, ICC, GreenCircle, and C2C.
The Buy Recycled Performance Meter gives you a snapshot of a product's Recycled performance. With a quick glance you know what percentage of the product or the product's packaging is made from recycled content, what type of plastic resin was used and whether the product has received third party Recycled Content Certification from organizations like UL, SCS, ICC, GreenCircle, and C2C.

Have you found a product you think should be in this directory? Share it!
Love the products and that the bottles use the plastic we all recycle! #ibuyrecycled

Personal Care
Body Wash Bottle
Brand - Love, Beauty & Planet
Company - Unilever

More Recycling
Connect with Recycled Plastics Buyers and Suppliers

Search Results

Displaying 135 results. Page 1 of 6. Next >

<table>
<thead>
<tr>
<th>Buyer or Supplier</th>
<th>Resin to search</th>
<th>Pellet</th>
<th>Post Consumer, Post Commercial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avangard Innovative, LP</td>
<td>ABS</td>
<td>P</td>
<td>PC</td>
</tr>
<tr>
<td>11906 Brittmoore Park Dr Houston, TX 77041</td>
<td>11511 Hwy, 770 East Eden, NC 27288-7243</td>
<td>Contact</td>
<td>Marcus L. San Juan 281-580-0700 <a href="mailto:marcusjuan@avalog.com">marcusjuan@avalog.com</a></td>
</tr>
</tbody>
</table>
EFS-Plastics Inc. is a postconsumer plastic recycling and reprocessing company, specializing in mixed plastic (3-7 mix) and film (shopping bag) recycling. We produce high quality pellets that can replace virgin plastic up to 100% in the manufacture of plastic bags, tool boxes, piping and other consumer products.

**SERVICES**
- Does not pick up less than truckload quantities
- Does not buy combination loads
- Does not have a public dropoff

**Supplies the following materials:**

<table>
<thead>
<tr>
<th>Plastic Type</th>
<th>Product Type</th>
<th>Form</th>
<th>Pigment</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDPE</td>
<td></td>
<td>Pellet</td>
<td></td>
<td>Post Consumer</td>
</tr>
<tr>
<td>LLDPE</td>
<td></td>
<td>Pellet</td>
<td></td>
<td>Post Consumer</td>
</tr>
<tr>
<td>PP</td>
<td></td>
<td>Pellet</td>
<td></td>
<td>Post Consumer</td>
</tr>
</tbody>
</table>
## 6 BILLION POUNDS: TOTAL WEIGHT OF PE USED IN ANNUALLY IN U.S. TRASH BAG PRODUCTION

The impact if different levels of PCR were used in the sector:

<table>
<thead>
<tr>
<th>PCR level</th>
<th>Pounds of recycled resin needed</th>
<th>Portion of total volume of PE currently reclaimed in U.S.</th>
<th>Metric tons of CO2 equivalent avoided</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 percent</td>
<td>600 million</td>
<td>32 percent</td>
<td>270,276 (equal to emissions of roughly 58,000 cars in one year)</td>
</tr>
<tr>
<td>30 percent</td>
<td>1.8 billion</td>
<td>95 percent</td>
<td>810,828 (equal to 173,000 cars)</td>
</tr>
<tr>
<td>70 percent</td>
<td>4.2 billion</td>
<td>222 percent</td>
<td>1,891,831 (equal to 403,000 cars)</td>
</tr>
<tr>
<td>97 percent</td>
<td>5.8 billion</td>
<td>308 percent</td>
<td>2,621,277 (equal to 558,000 cars)</td>
</tr>
</tbody>
</table>

Numbers were tabulated by More Recycling using information from several private reports as well as the U.S. EPA’s WARM calculator and extrapolation of California’s most recent waste characterization study.

Data sort is produced each quarter by More Recycling. For additional information, go to morerecycling.com
Creating Transparency, Recognizing Leaders, & Illustrating Impact

Info Platform with Tools such as:

- Buy Recycled Directory (Access to products for consumers and organizations)
- Directory of PCR Suppliers
- Markets for Baled Plastic
- Interactive Value Chain Case Study (examples of circularity)
- Recycling Policies & Programs in the United States
- PCR Impact Tracker (CO2 Savings Equivalent)
For More Information

Jordan Tony
More Recycling
609-226-2741
Jordan@MoreRecycling.com
Thank you!