



California Manufacturers Challenge Workshop

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WPA

- **Plastic Film & Bag Manufacturers**
 - California, Oregon, Washington, British Columbia
- **Suppliers:** Resin, Machinery, Equipment, Ink
- **Recyclers:** Post consumer, post industrial
- **WPA Purpose:**
 - Represent Industry on Legislative & Regulatory Issues Management
 - Assist members on technical issues like PCR use

WPA Member Company Work

Command/Encore:

- Encore: collects, washes, and recycles CA agricultural plastic film.
- Command Packaging: uses the post-consumer recycled PE resin produced by Encore as a raw material to replace virgin PE in manufacturing process of Smarterbags™ reusable grocery bags and other products.

WPA Member Company Work

Roplast Industries:

- Purchases CA post consumer material
 - Film/Bags, Stretch Wrap
- Reprocesses & incorporates postconsumer in reusable grocery and retail Bags
- Designs and markets products for recycling and reuse
- Spearheaded the SPP PCR verification program developed by Joe Greene

WPA Member Company Work

Heritage Plastics: Manufactures HM10[®]

Calcium Carbonate Concentrates

- CaCO₃ – Replaces petrochemical plastic resin
- Minimizes the carbon footprint and greenhouse gas impact of manufacturing film/bags & bottles
- Extensive work on recycling to ensure compatibility in recycling streams
- Working with APR to set maximum loads to eliminate any issues with recycling

WPA Member Company Work

Titus: Built Plastic Recycling Facility (PRF) in LA

- West Coast prototype plant to recycle what is missed by MRF's
- Mixed plastics, mixed glass, and container line residuals
- Design includes capability of sorting EPS/PS, PLA, cartons
- Specialize in containers, paper & film under 7"

WPA Member Company Work

Repsco: PCR in plastic slip sheets

- Manufacturer of plastic slip sheets (replaces wood pallets) and tier sheets (used in the bottling / canning industries)
- PCR Source: CA recycled polyethylene
- Capacity: 1 million pounds recycled PE per month
- Moving manufacturing plant to Riverbank

WPA Member Company Work

NatureWorks: Bioplastic Resin Manufacturer

- Developing prototype “venue” recycling of PLA
- Partnering with Titus in CA to separate PLA
- Working with composters to increase organic recycling
- Customers/converter partners working on education to increase food waste diversion

WPA Converter Member Products

- **Food Packaging**
 - Film Products – Bags, wraps, pouch components
- **Industrial Bags**
 - Trash, Institutional
- **Plastic Retail Carry Out Bags**
 - Reusable
 - Merchandise, Grocery

Flexible Food Packaging

- Food Packaging = less food spoilage & waste
- Wraps, Bags, Fresh Wrap
- Customer makes the decision on the package
- Brand integrity critical to customer
- PCR Use:
 - Availability – FDA compliance for food contact
 - Quality of PCR
- If something costs more, customers are not willing to pay for it.

Technical Issues in Bag Manufacturing



Industrial Bags

- Trash bags, transport bags, protective coverings
- Can incorporate **quality** PCR
- Trash bags PCR law - already requires 10% PCR
 - ✓ Has not succeeded – little verification
 - ✓ Overseas Manufacturers – how to verify PCR is really PCR?

Merchandise Carry Out Bags

- Reusable plastic bags – law requires PCR
 - If SB 270 referendum fails, 20% PCR required
- Customers demanding PCR now
 - retail, grocery, restaurant
- Verification of PCR
 - customers want PCR claims substantiated
- How to verify?

Post Consumer Material

- Availability of PCR – big concern
- Verification of whether PCR is really PCR
- Without verification/certification/validation – CA and US manufacturers at a big disadvantage
- WPA working with APR on verification/certification

What Our Members Do

- ✓ Reprocess scrap
- ✓ Recycle product to produce PCR
- ✓ Purchase CA Postconsumer Resin
- ✓ Develop applications for PCR
- ✓ Push customers to design Products with recycling, PCR and sustainability in mind – and be willing to pay for it

What the WPA Can Do

- Work with recycler members to increase diversion & reprocessing
- Push manufacturers to incorporate PCR
- Publish a list of sources of quality PCR
- Promote sustainability and reduction of waste
- Work to establish an enforceable system of PCR verification/certification with APR and CalRecycle
- Enlist support from trade association outside of California

What the WPA Can Do

- Continue development of PCR verification, certification program with APR
- Work with CalRecycle to develop an enforceable PCR verification program
- Allied trade association project support

**Increase Use of PCR in Bags
& Film**

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**More Flexible Packaging Out
of CA Landfills**