

TOGETHER

Transforming Recycling For Good



We're all in this bin together























































































Only half of Americans can recycle at home as easily as they can throw something away.*

Those that can recycle easily are only recycling half of what they could.**

* 2015-16 Centralized Study on Availability of Recycling. https://recycle.com/spc-recycling-access-study/

** 2016 State of Curbside Report



OUR WORKING MODEL

INFRASTRUCTURE

Cart grants deliver year over year results and measurable incremental tonnage.



EXPERT ASSISTANCE

Aligning operations and education helps cities deliver better recycling.

TOOLS AND DATA

More than 20K local programs lack resources but determine success.



SYSTEM SOLUTIONS

The system is loosely connected but highly dependent.



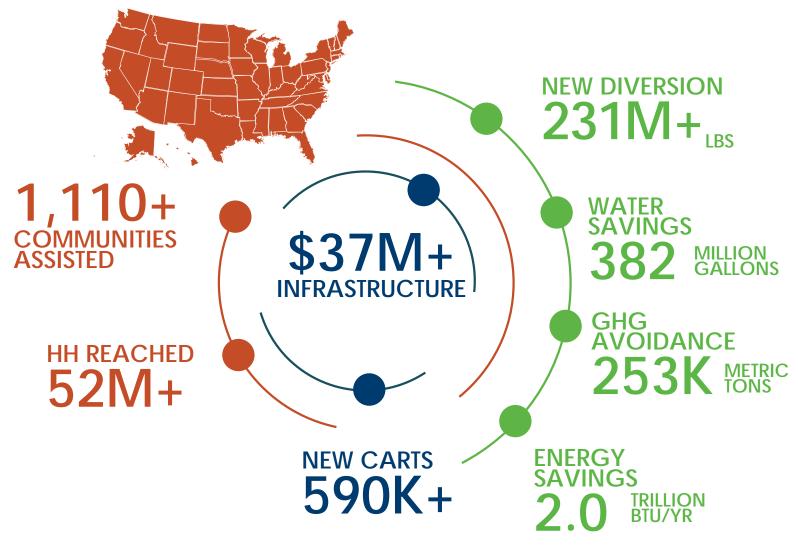
Unlocking the Circular Economy in California



- How Did We Get Here?
- What is the Impact of China's Scrap Ban?
- Opportunities in California and Beyond



Making an Impact











THE RECYCLING SYSTEM IS LOOSELY CONNECTED, HIGHLY DEPENDENT













DYLAN DE THOMAS V.P. OF INDUSTRY COLLABORATION AT THE RECYCLING PARTNERSHIP

WE WERE EXTERNALIZING
THE LABOR OF SORTING THE MATERIAL,
BUT NOW THAT CHINA HAS GOTTEN
TO THE POINT THAT THEIR OWN LABOR
FORCE HAS MATURED AND GROWN,
THEY'RE ABOUT TO EXTERNALIZE
IT THEMSELVES.

THEY'RE STILL BUYING A LOT OF THE SAME MATERIALS; THEY'RE JUST BUYING IT FROM OTHER PARTS OF S.E. ASIA.





This Has Happened Before (and Not)

- 1990: Explosion of Curbside Programs following Mobro
- 2008: Beijing Olympics + Global Recession
- 2018: The Same, but Different





Is the Sky Falling?

- Mixed paper value decline (\$88 in Mar 2017 to about \$0 now)
- Small number of programs closing/suspending operations
- Smaller number moving to Dual-Stream





What's Happening and Where?

- 13 states "Heavy"
- 30 states "Noticeable"
- 9 "minimal"
- Impacts on California, Western States most acute

Sources: Waste Dive & Resource Recycling

State	Disposal Ban	Landfilling	Accepted Materials Chang	Effects	Contamination Work?
Alabama	N			Noticable	
Alaska	N	Υ	Υ	Heavy	
Arizona	N	Υ	Υ	Heavy	Y - in Phoenix
Arkansas	N		Y - at drop-off	Minimal	
California	Y - Partial, not f	Y - Composting	Y - at some drop-offs	Heavy	Υ
Colorado	N		Υ	Noticable	Υ
Connecticut	Υ			Noticable	Y - Workshops
Delaware	Y			Noticable	
District of Colu	Υ			Noticable	
Florida	N	Y	Might be in future	Noticable	Y - campaigns
Georgia	N		Υ	Noticable	Υ
Hawaii	N		Υ	Heavy	Υ
Idaho	N		Υ	Heavy	
Illinois	N			Noticable	Υ
Indiana	N		Υ	Noticable	Υ
lowa	N	Y	Υ	Noticable	Υ
Kansas	N			Noticable	
Kentucky	N			Minimal	
Louisiana	N			Minimal	
Maine	N		Υ	Noticable	Y - campaigns
Maryland	N		Υ	Noticable	
Massachusetts	Υ		Υ	Heavy	Y - TRP Recycling IQ Kit

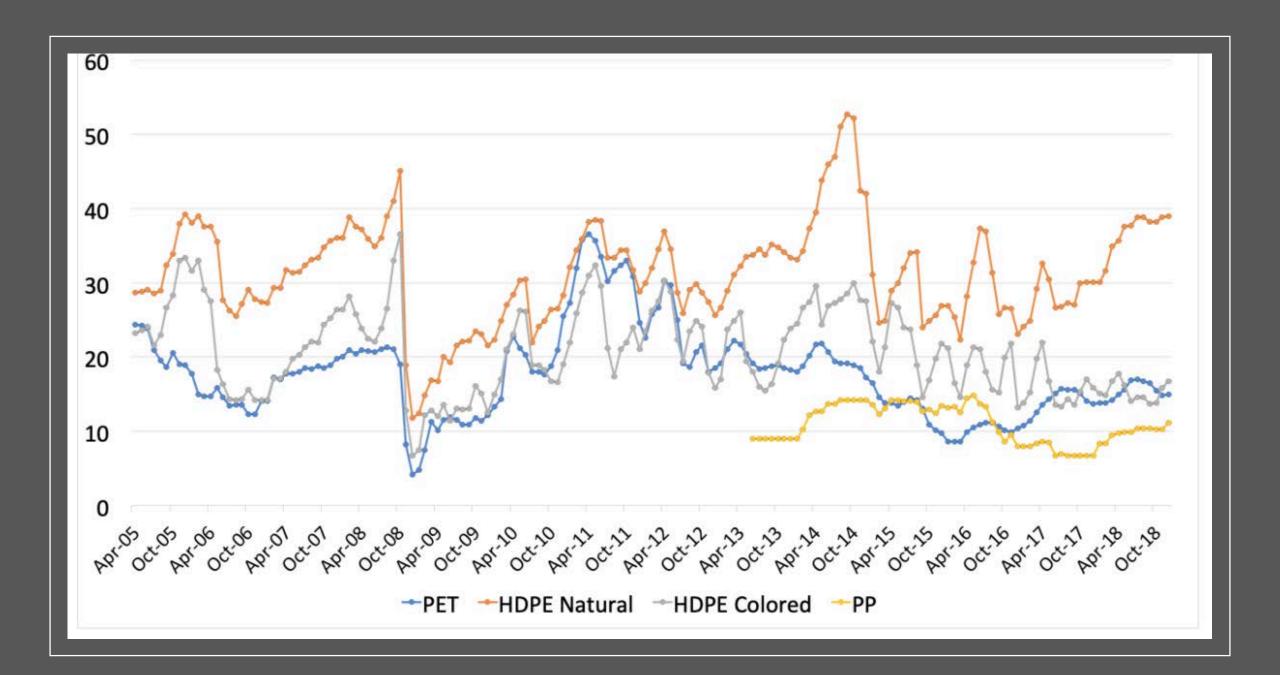


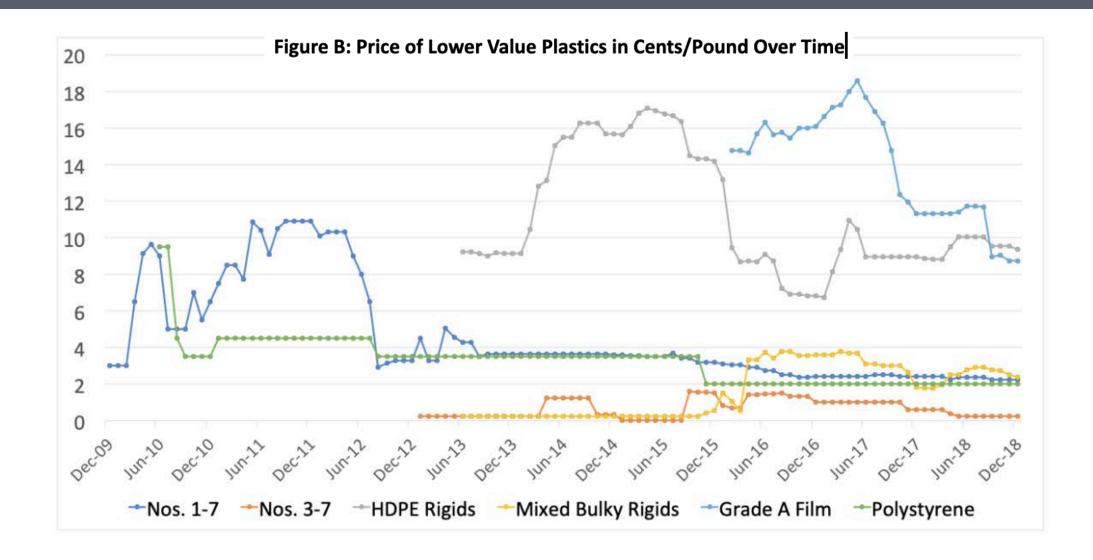
What's Happening and Where?

- Reports of some landfilling/WTE (42 states)
- Accepted materials lists changing (42 states)
- Some programs changing/shuttering
- Commodity prices drop



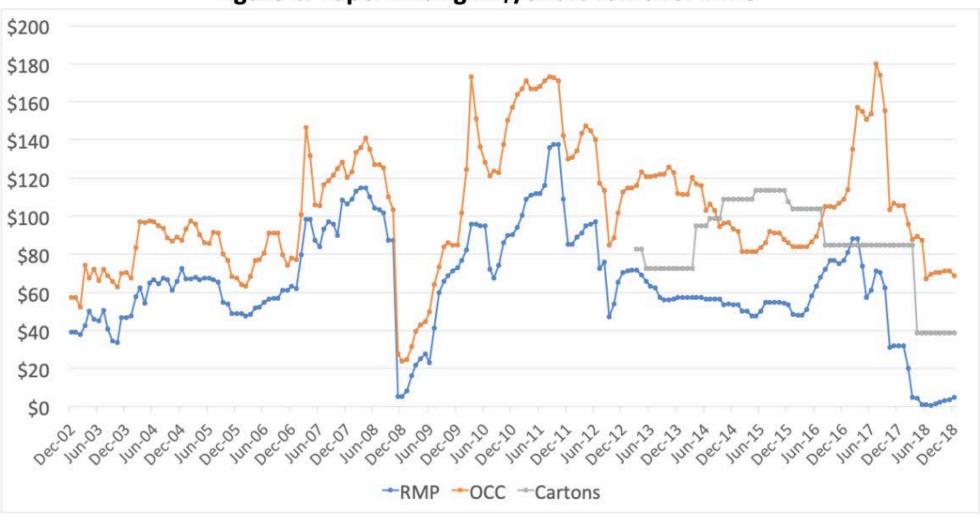




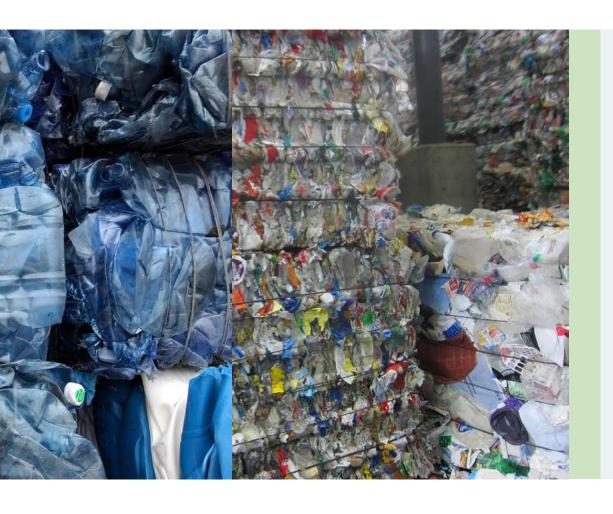


Data provided by RecyclingMarkets.net.

Figure C: Paper Pricing in \$/Short Ton Over Time



Data provided by RecyclingMarkets.net.



- Paper and Plastics recovery capacity is growing in the U.S. to consume some of these materials (RMP, Plastics, etc.)
- Chinese investment a signal that the scrap ban is forever

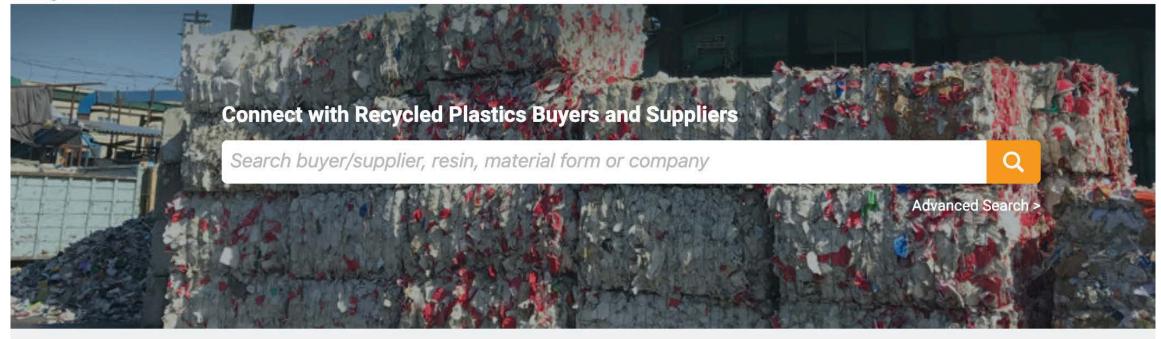




Tools

Announcements

Resources



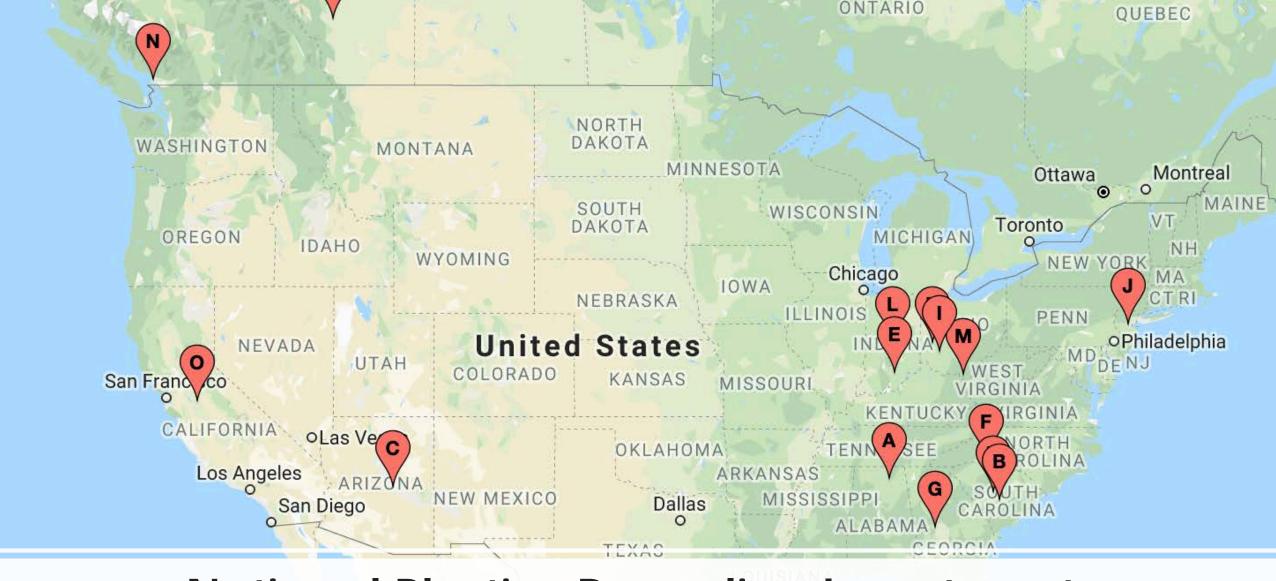
PlasticsMarkets.org connects suppliers and buyers of all types of scrap plastic (from bales to post consumer resin). It's supported by the plastics industry and intended for use by the recycling industry in North America.







Post-Consumer Content in Industrial Goods



National Plastics Recycling Investments

What's Next for Plastics?

Plastics Reclaimers Buying and Building:

- EFS
- Azek
- GDB International
- East-Terra Plastics
- PureCycle Technologies
- Merlin Plastics
- Peninsula Plastics





What's Next for Plastics?

Plastics Reclaimers Buying and Building:

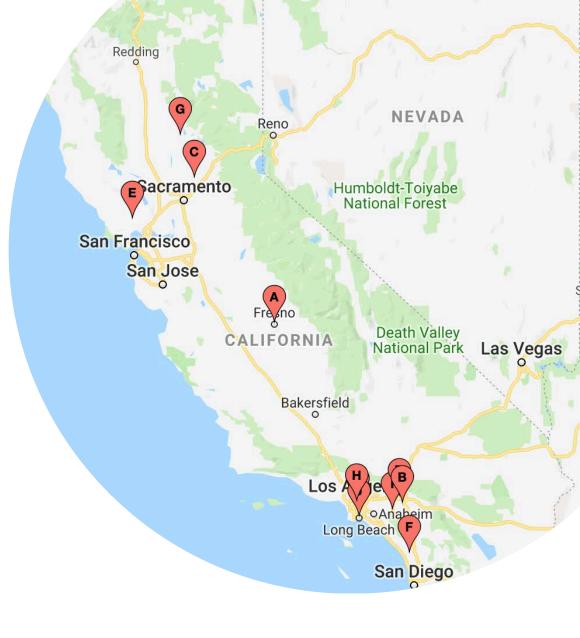
- Roy Tech
- Ecomelida
- GreenCycle
- Tian Yuan/Shaw Brothers
- Green Tech Solutions
- UPT

Well Over \$300 MM in investments and over 328,000 tons of annual consumption



APR Plastics Recyclers in California

- Allan Company
- CarbonLITE
- Circular Polymers
- Green Fiber International
- Prime Plastic Products
- Roplast Industries
- rPlanet Earth
- Talco Plastics (two locations)
- Verdeco Recycling







National Paper Recycling Investments

Gulf of Mexico

What's Next for Paper?

Paper Mills Buying and Building:

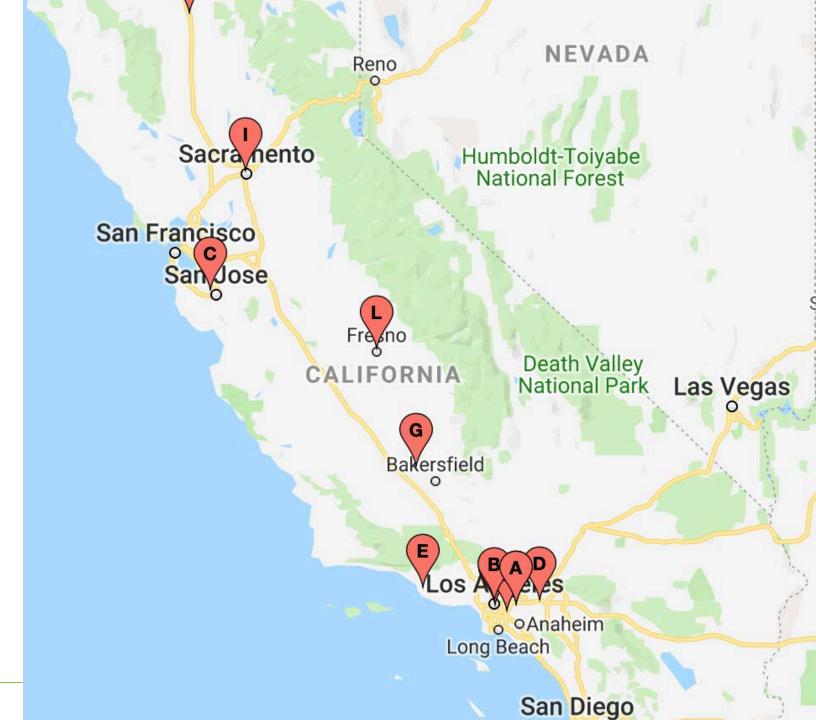
- Pratt Industries
- Green Bay Packaging
- Cascades
- Georgia Pacific
- Nine Dragons
- Shanying International
- Bio Pappel
- Ecomelida



Over \$1.6 BN in investments + 2.6 MM tons of annual consumption

Paper Recyclers in California

- Fox Paper
- International Paper
- New Indy Containerboard
- PCA (Packaging Corporation of America)
- Resource Management Group
- Rite Box
- RockTenn
- Sonoco Products Company
- Western Pacific Pulp
 and Paper





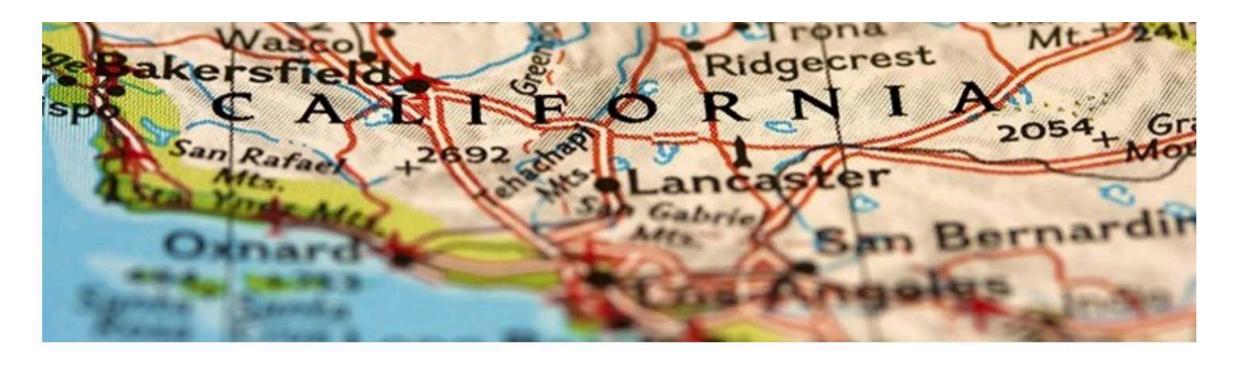
...Not This











The Recycling Partnership launches West Coast Contamination Initiative







TOGETHER

Transforming Recycling For Good





Thank You!

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www.RecyclingPartnership.org

