



Marine Debris

Plastics Industry's Work on Solutions

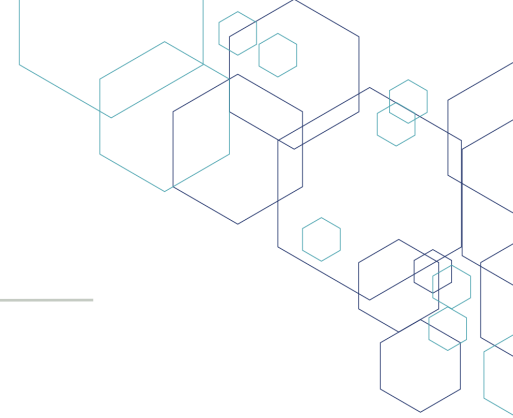
Keith Christman
Managing Director
Plastic Markets



Plastics Division Members



Marine Debris Overview



Our View

Why Use Plastics?

Latest Science & Global Declaration

Partnerships

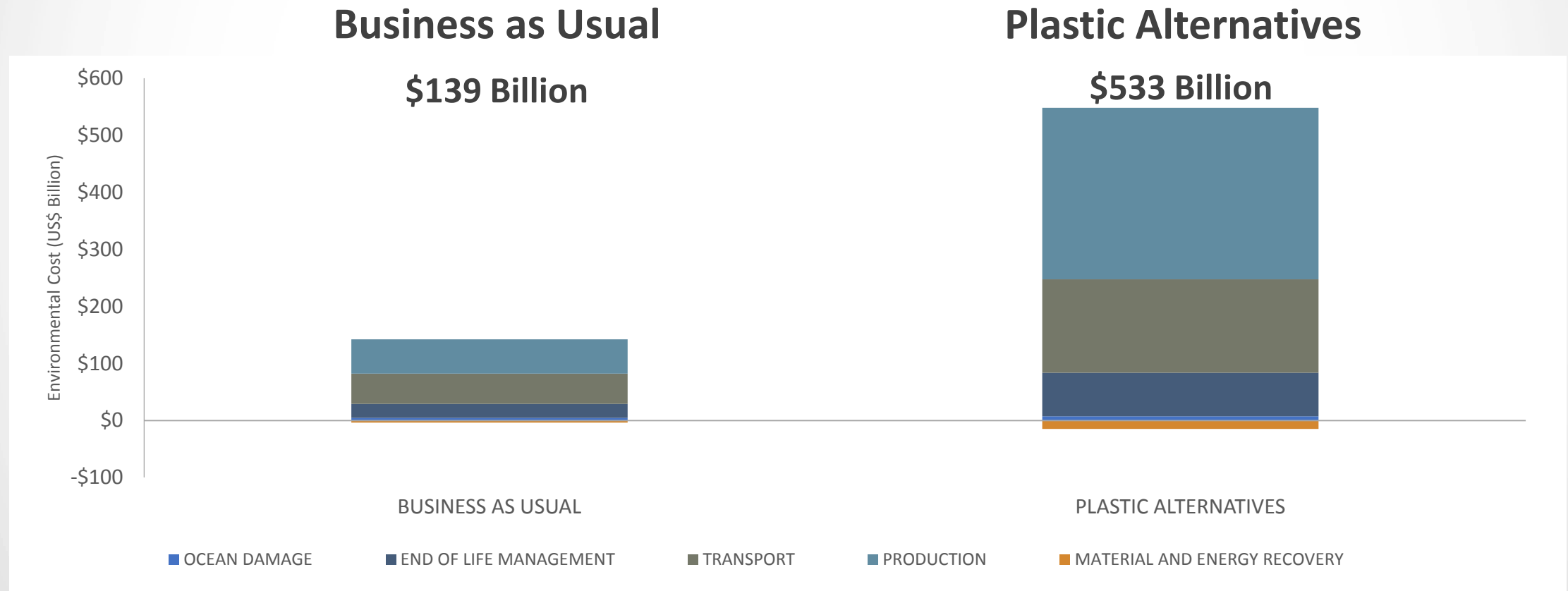
Our View

- Plastic litter in the environment is unacceptable
- Plastics deliver significant societal benefits:
 - Energy, GHG & resource savings
 - Reduced food waste, improved quality of life
- Benefits won't matter if plastic litters /harms our environment

Plastics and Sustainability



The environmental cost to society of plastic use in the consumer goods sector is 3.8 times less than alternative materials



Trucost, Plastics and Sustainability: A Valuation of Environmental Benefits, Costs and Opportunities for Continuous Improvement, July 2016.

Reduced Food Waste



Fresh for **14 days**



New potatoes
in-store wastage
DOWN to <1%



Grapes in-store wastage
DOWN by 20%



Bunches of identical bananas stored
for 7 days loose and in a modified
atmosphere bag

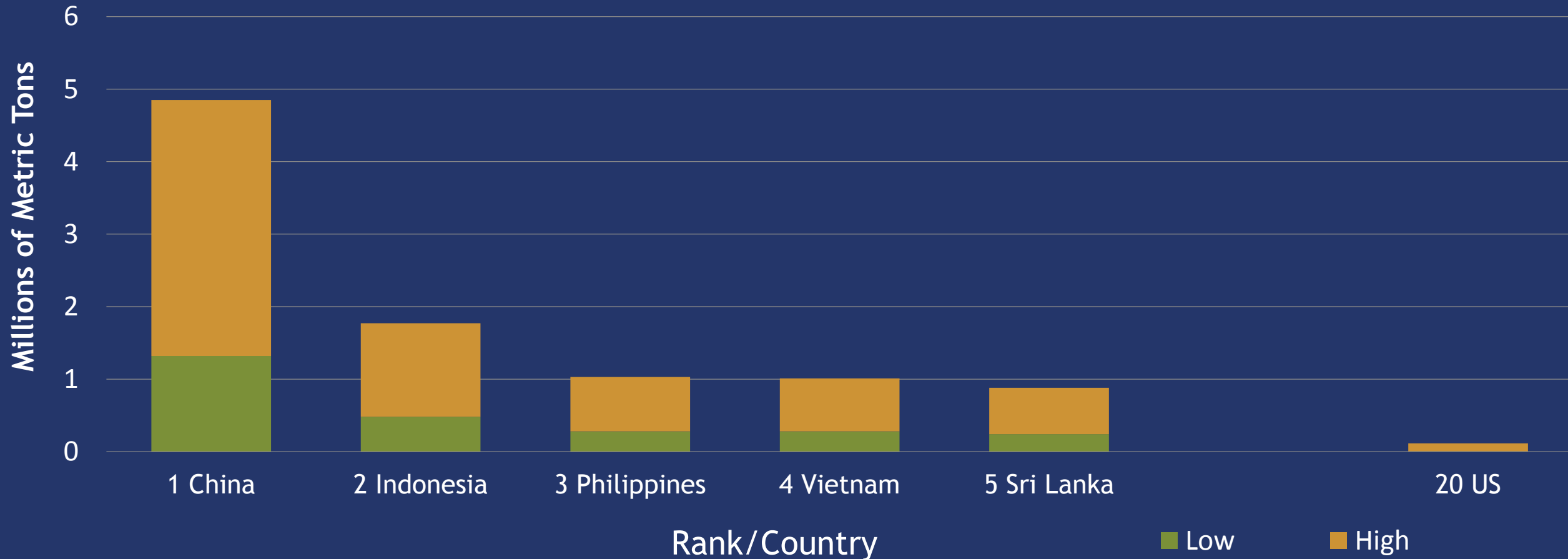
Source: Packaging in Perspective, Advisory Committee on
Packaging, Supported by INCPEN

Latest Science & Global Declaration



8 MMT/YR Plastic Enters Ocean from Mismanaged Waste

Leakage by Country (Estimated)



Global Declaration

**Declaration of the
Global Plastics Associations
for Solutions on Marine Litter**



www.marinelittersolutions.com

- Announced at UN/NOAA 5th International Marine Debris Conference, March 2011
- Six-point strategy for industry action
- Advocates close cooperation with range of stakeholders to create solutions
- Transparent progress reports every 2 years
- 69 associations from 35 countries
- 260 projects since launch in 2011

Declaration Contents

We will:



Contribute solutions through **partnerships** to prevent marine debris



Research to understand scope, origin, impacts



Promote enforcement of existing laws to prevent marine litter



Spread **knowledge** of efficient waste management systems



Enhance recycling/energy recovery opportunities



Steward plastic pellets from supplier to customer

[illegible]

www.marinelittersolutions.com

2011	
Members	47
Countries	27
Projects	100

2013	
Members	60
Countries	34
Projects	185

2015	
Members	65
Countries	34
Projects	260

Waste Management—Key to Prevention



Partnerships for Litter Prevention

Keep California Beautiful, Cal State Parks, & Cal Trans



Added 700 bins in coastal and other locations

Expanded to California coastal highway rest stops with Caltrans

Divert ~45 tons of plastics and over 105 tons of other recyclables

Ongoing Projects

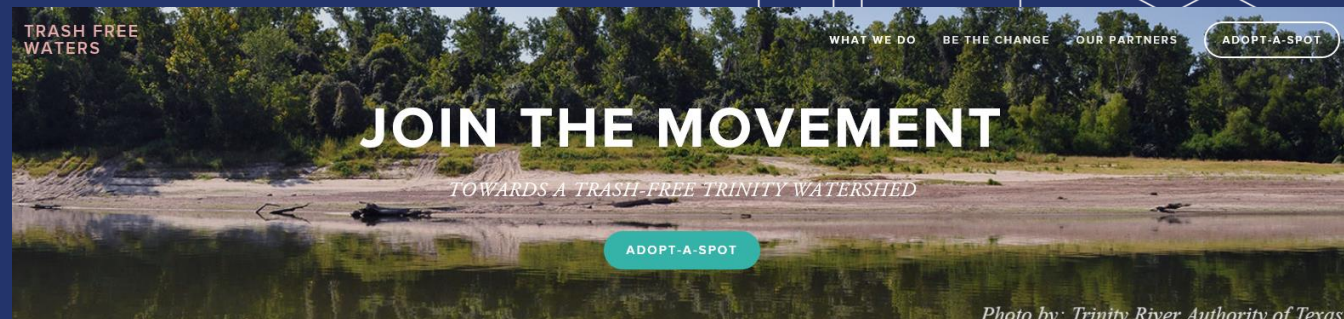
Hawaii - Ala Moana Park

- Partnership with Honolulu
- Installing covered bins
- Pre-installation Litter index



Trinity River

- Partnership with Meadows Center & EPA's Trash Free Waters program
- Track, remove and prevent trash from entering Trinity River waterways



New Partnerships

SAVE THE BAY®

NARRAGANSETT BAY

Shoreline Trash Reduction & Prevention

- 4 areas with chronic shoreline trash & marine debris issues



Beachy Clean & Thanks for Keeping it Beachy Clean

- Clean Virginia Waterways community outreach program
- Influence behaviors of visitors to beach resorts and beach communities

Promoting Policy

Supported “Microbeads Free Waters Act of 2015”

Save Our Seas Act - S. 756
Marine Debris Act
reauthorization

Advocating for increased
funding for NOAA Marine
Debris program



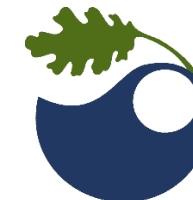
International Partnership

Net-Works™

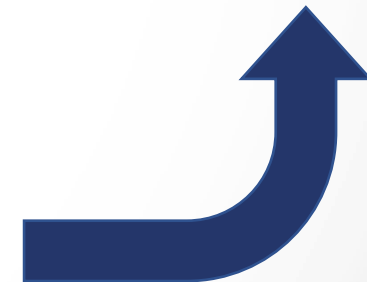
- Community-based supply chain for discarded nets in the Philippines; 26 community groups
- Empowers local communities to take control & clean up environment; additional money
- Support for new sites in Panay; Assess viability of additional Net-Works™ hub in Masbate Island
- Assess viability & develop model for trash for health program



Trash Free Seas Alliance ®



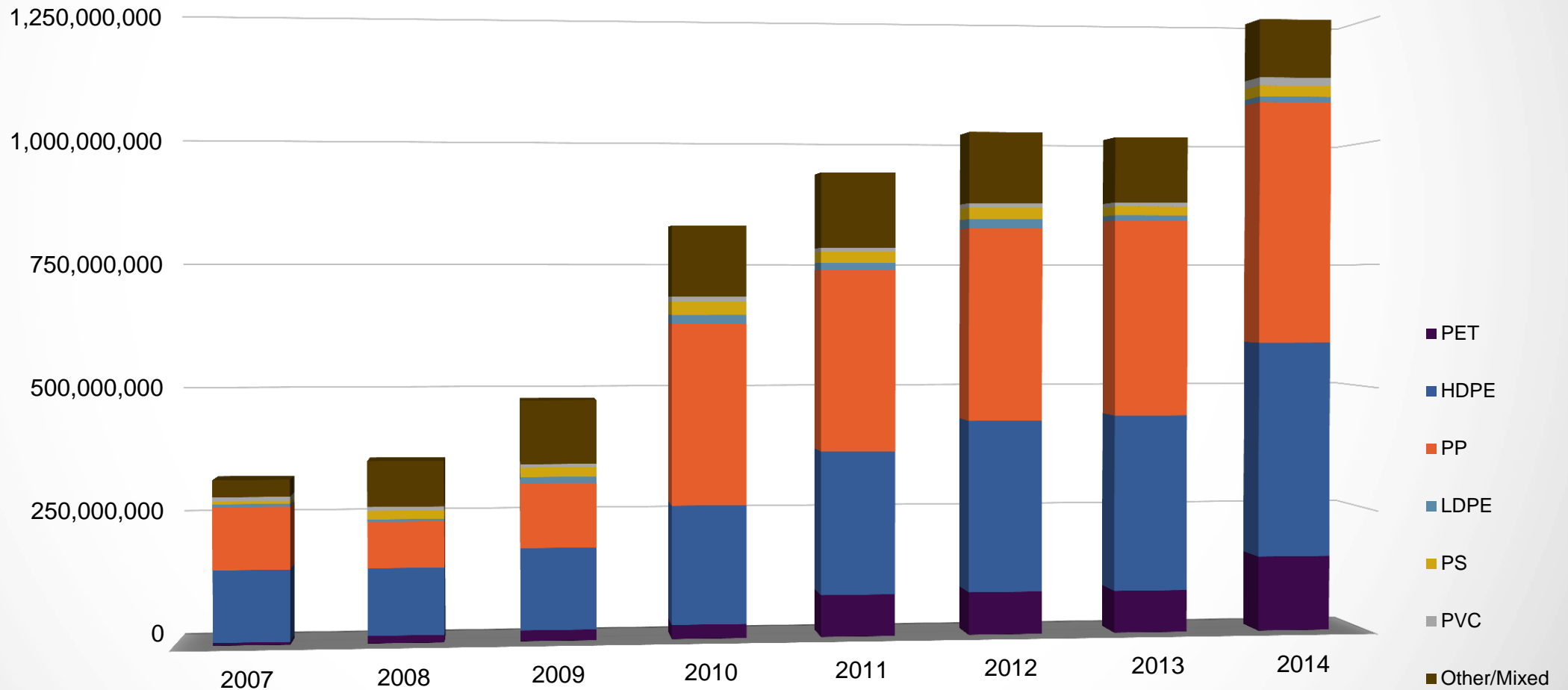
Trash Free Seas Alliance ®



Enhance Recycling & Recovery



Increasing Non-Bottle Rigid Plastic Recycling



WRAP Education & Outreach



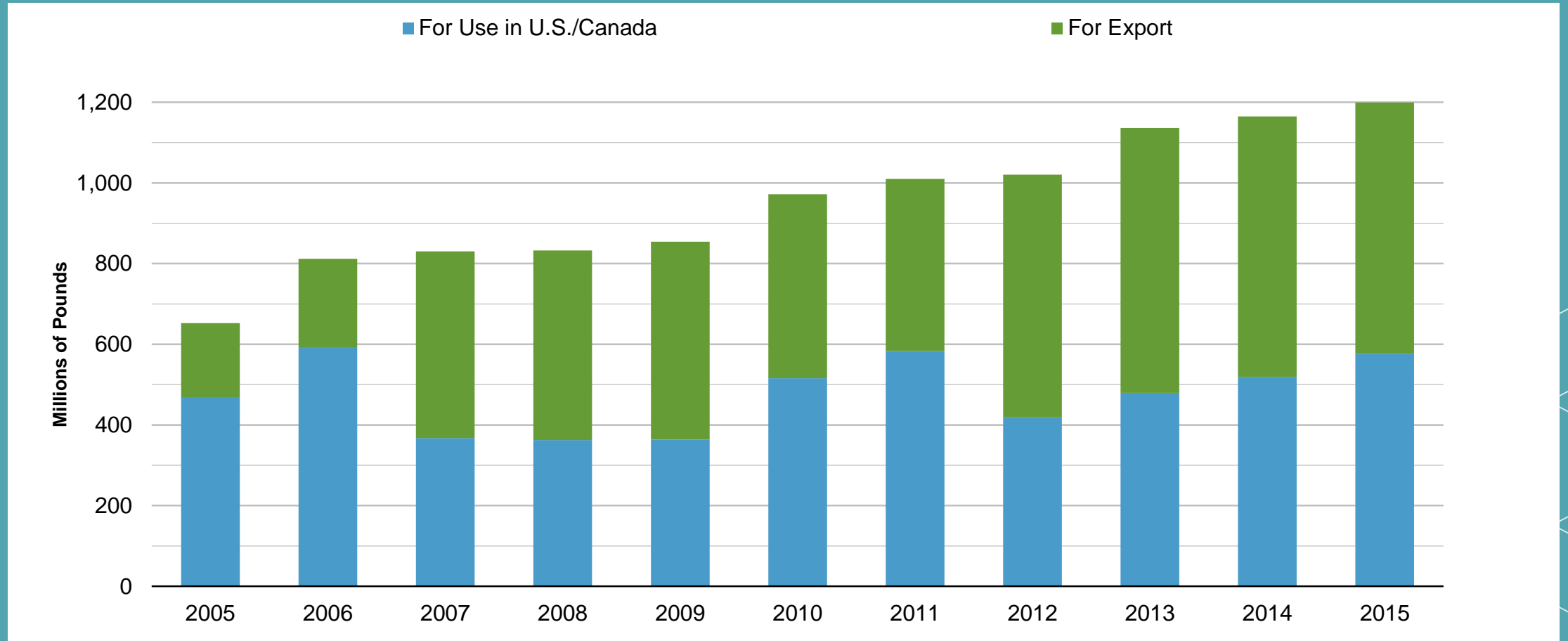
Flexible Film
Recycling Group

GOAL: Double film recycling by 2020 to 2 billion pounds



Provide resources and best practices
Expanding network of stakeholders

Growing Wrap & Bag Recycling



Stewarding Plastic Pellets

- Best practices to contain pellets, flakes and powder from loss
- Covers manufacturing through transportation and end use
- An international model





Thank you!

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MarineLitterSolutions.com