



Plastics industry efforts to reduce marine debris



Stewart Harris
March 19, 2019

ACC Plastics Division



BAYPOL



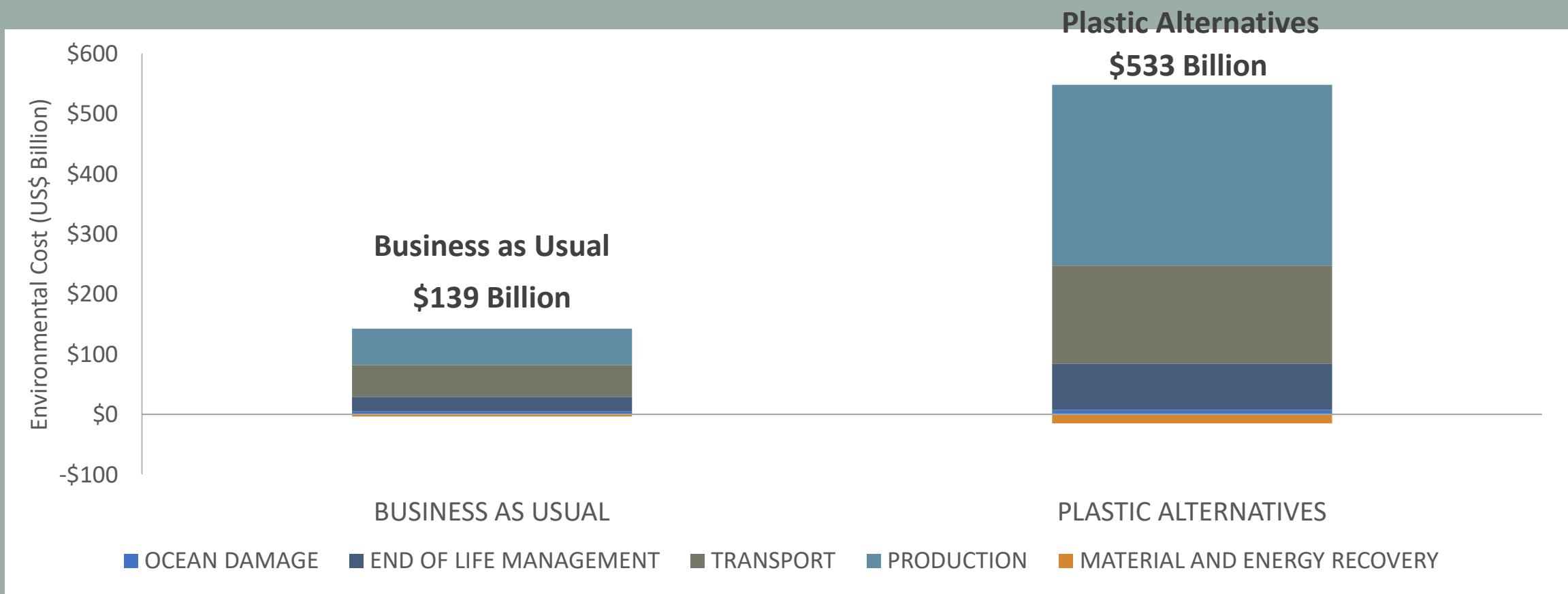
ExxonMobil



Plastics and Sustainability



Environmental cost of plastic use in consumer goods is 3.8 times less than alternatives

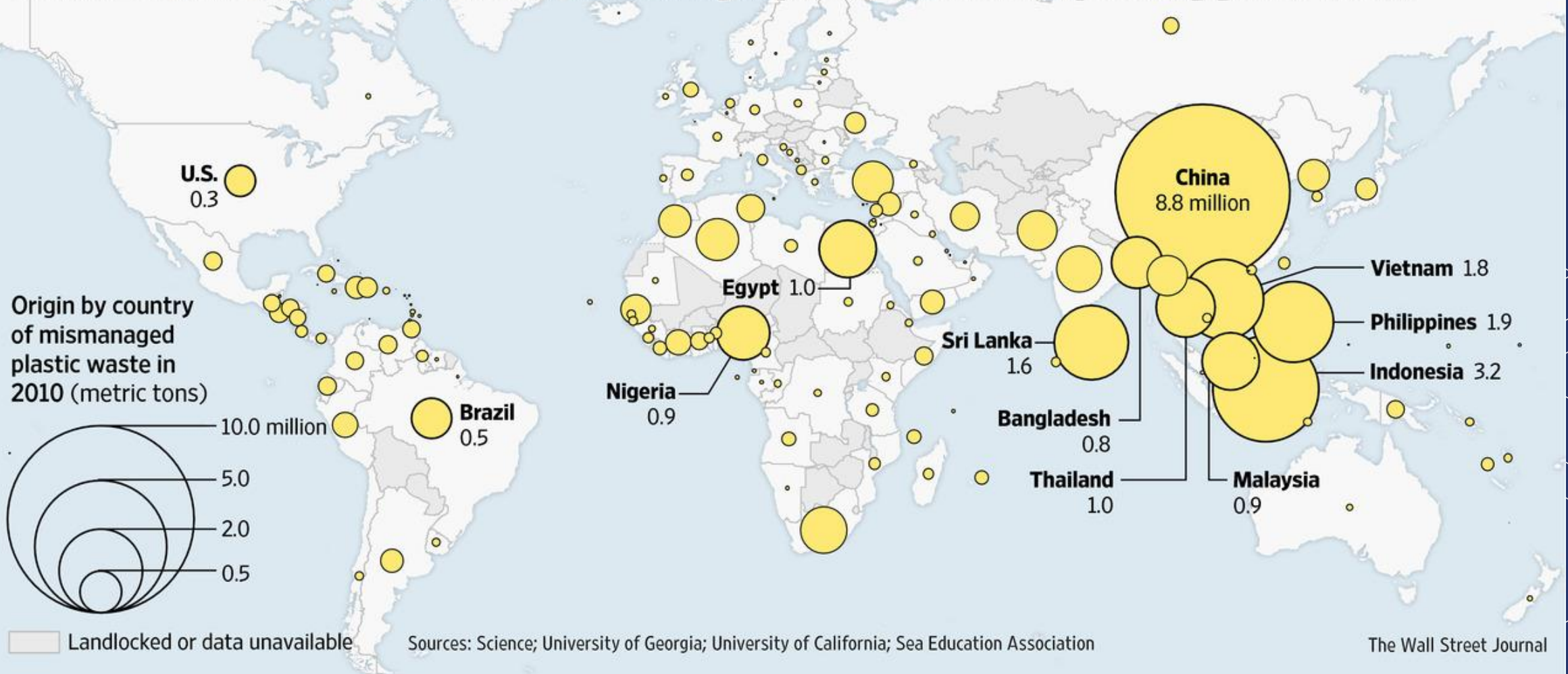


Challenge - Marine Debris



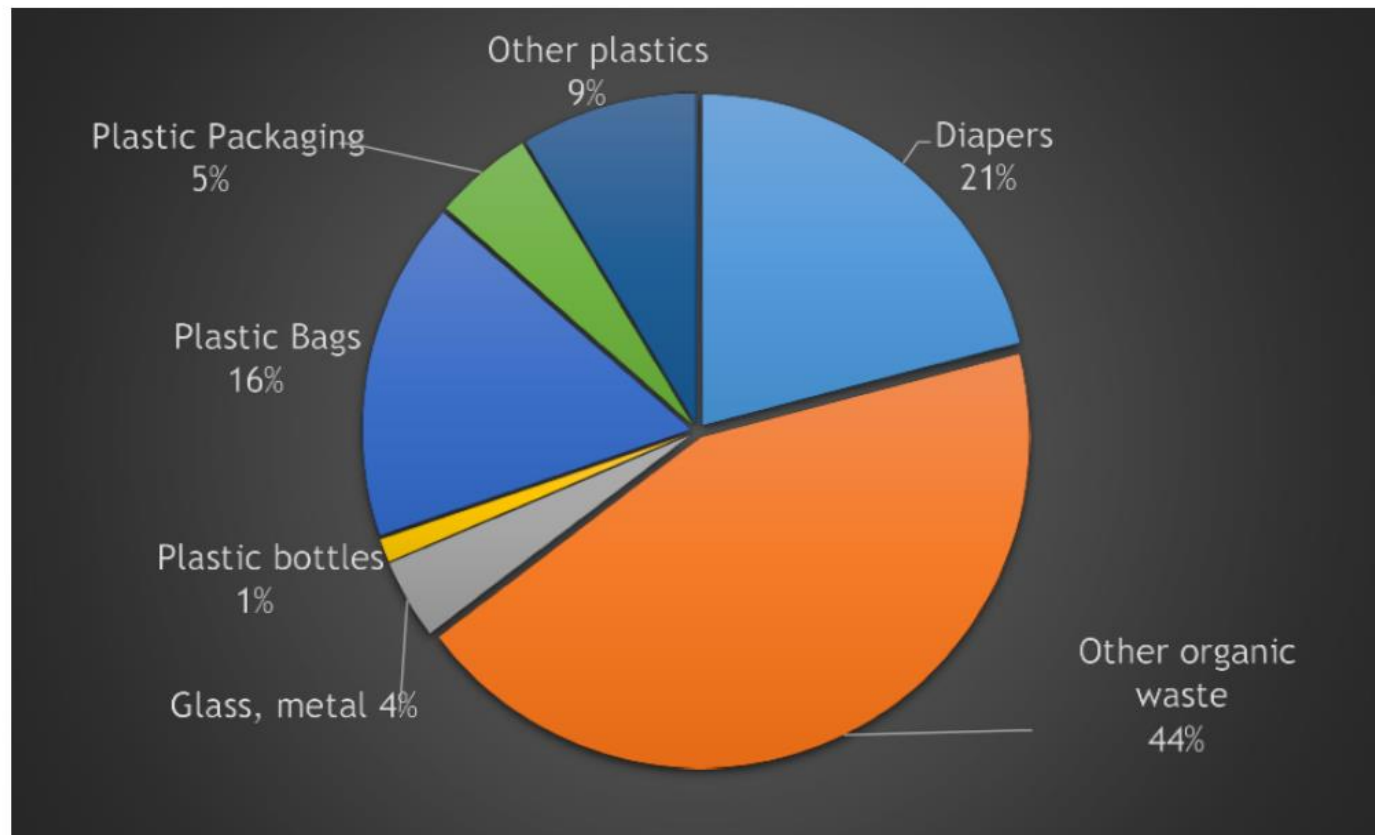
Sources of Plastic Marine Debris

Ocean Detritus | Much of the world's mismanaged plastic waste ends up fouling global waters



Rivers Deliver All Waste to the Ocean

Figure 12: Waterway Waste Composition Average for Hotspots Target Cities Sampled



The bulk of Indonesia's challenge to halt marine debris leakage involves addressing its inadequate municipal waste management service provision.

The background of the slide is a collage of three images. On the left, a boat is shown with a large amount of plastic and other litter floating in the water around it. In the center, the front of a bright red car is visible, showing the headlight and grille. On the right, two young children, a boy and a girl, are shown recycling. The boy is pouring liquid from a clear plastic bottle into a blue recycling bin, and the girl is holding another clear plastic bottle. The bin has a recycling symbol and the words 'WE RECYCLE' on it.

Marine Debris - Our View

**Plastic & other litter
in the environment
is unacceptable**

**Plastics deliver
significant societal
benefits**

**Plastic makers
have a role in
providing solutions**



A new CEO led, cross-sector, not-for-profit organization with a clear mission to develop, accelerate & deploy solutions, catalyze public & private investment and engage communities to help end plastic waste in the environment

Alliance to End Plastic Waste

FOUR PART STRATEGY



INFRASTRUCTURE

Infrastructure Development to collect and manage plastic waste, and increase recycling in areas of greatest need.



INNOVATION

Innovation to advance and bring to scale new technologies that make recycling and recovering plastics easier and create value from all post-use plastics.



EDUCATION

Education and Engagement of governments, businesses, and communities to mobilize action.



CLEAN UP

Clean Up to help stop plastic waste at its source, focusing on cities and major rivers that carry significant amounts of plastic waste to the ocean.

ALLIANCE MEMBERS

AND THEIR GLOBAL PRESENCE



Global Plastics Alliance

**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

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

Making Progress



www.marinelittersolutions.com

1st Progress Report-2011

Members	47
Countries	27
Projects	100

2nd Progress Report-2013

Members	60
Countries	34
Projects	185

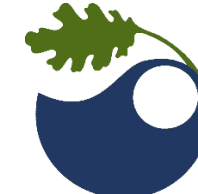
3rd Progress Report-2015

Members	65
Countries	34
Projects	260

4th Progress Report-2017

Members	74
Countries	40
Projects	355

Trash Free Seas Alliance®



Trash Free Seas Alliance®

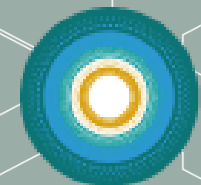
- Research to understand sources
- Which interventions work
- Evaluated funding options
- Built platform & launch pilots



TRASH FREE SEAS
ALLIANCE®

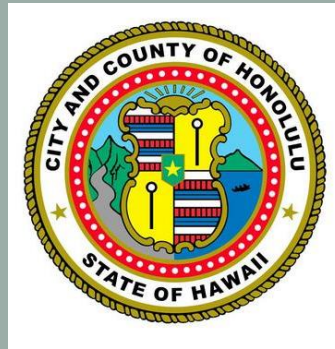
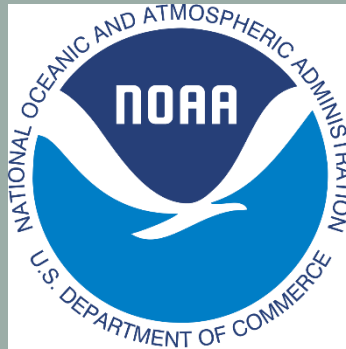


Stemming the Tide:
Land-based strategies for a plastic-free ocean



CIRCULATE CAPITAL

Marine Debris Partnerships



Promoting Recycling



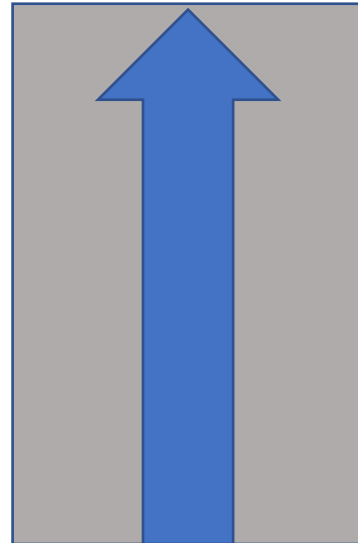
Growing Recycling Access

**SINCE
2014**

**THE
RECYCLING
PARTNERSHIP
HAS IMPACTED**

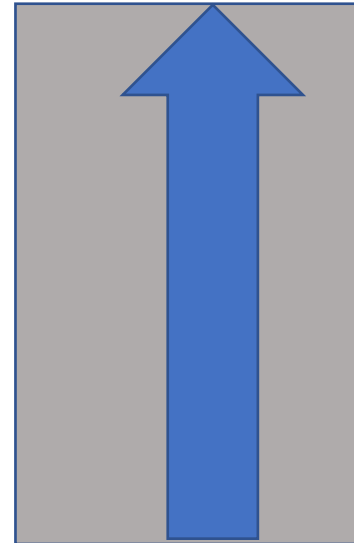
COMMUNITIES

588



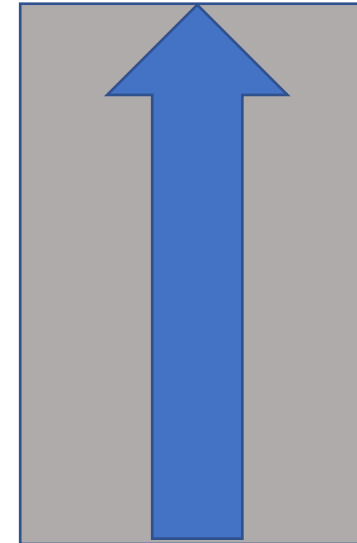
**RECYCLABLES
DIVERTED**

183 Million LBs



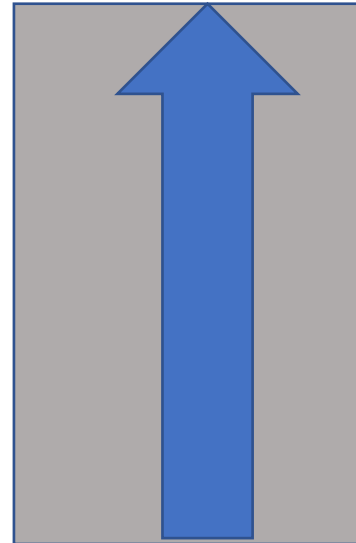
CARTS

496,000



HOUSEHOLDS

29 Million



18.9 Million new pounds of plastics have been recovered since The Partnership's launch.

Promoting Policy

Supported Microbeads Free Waters Act of 2015

Supported Save Our Seas Act of 2018

Supporting straws on request policies



ACC Sustainability Goals

A background image showing three children outdoors. A boy in the center is holding a clear plastic bottle and pouring its contents into a blue recycling bin. A girl on the right is also holding a plastic bottle. Another child is partially visible on the left. The bin has the text 'WE RECYCLE' and a recycling symbol on it.

✓ 2040 Goal

- 100% of plastics packaging is reused, recycled or recovered

✓ Interim Goal (2030)

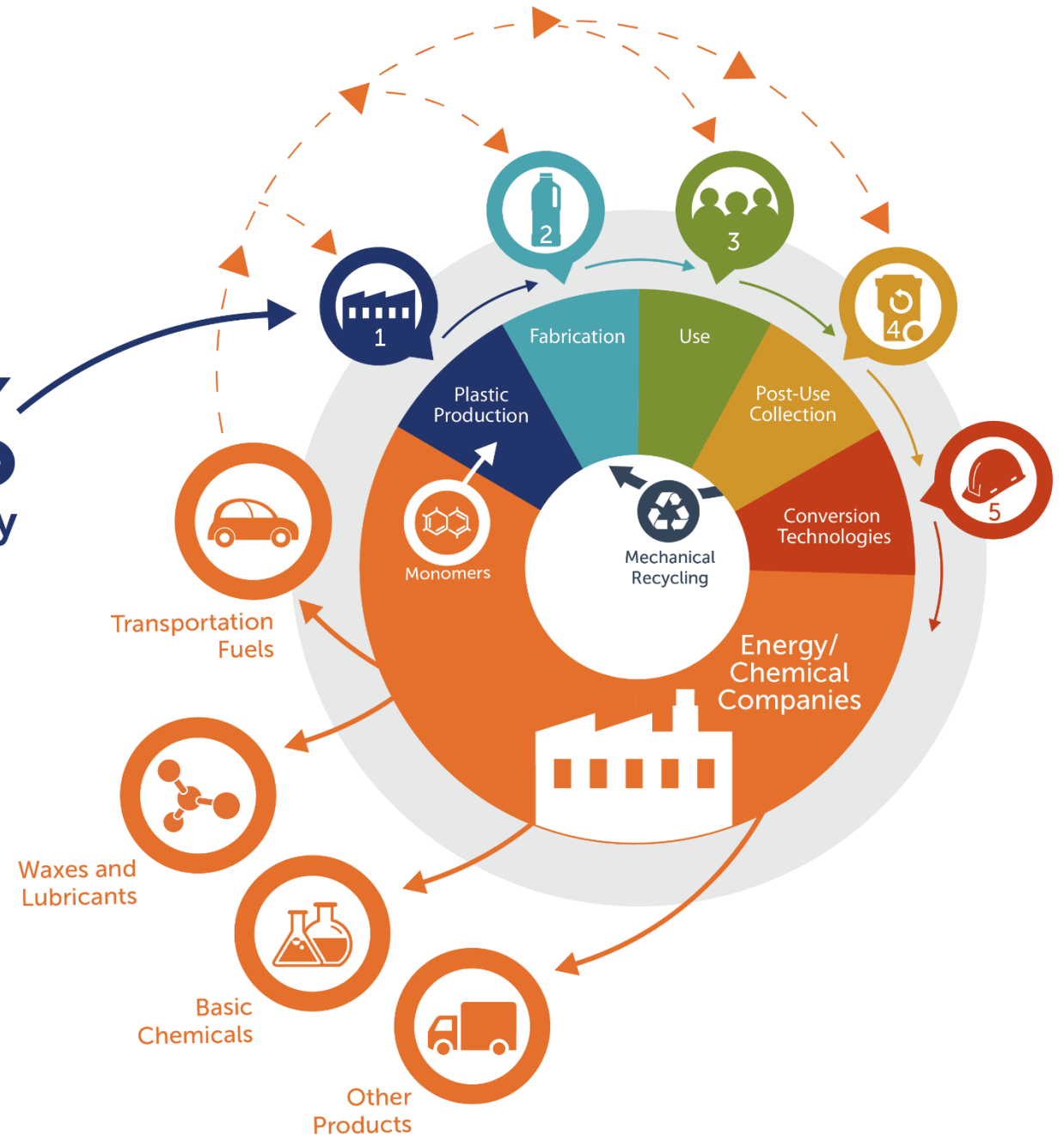
- 100% of plastics packaging is considered recyclable/recoverable

✓ Best practice goal

- 100% of Division's U.S. manufacturing sites participate in Operation Clean Sweep Blue by 2020, with all North American sites by 2022

Circular Economy Vision for Plastics

3%
of Energy



Achieving the 2040 Goal

100% of plastic packaging is recycled or recovered by 2040



Design & Invent new circular business models



Expand access



Educate consumers and change behavior



Invest in new infrastructure and transformational technology



Create Partnerships with Prominent Orgs and Other Leaders

Stewarding Plastic Pellets



- Best practices to contain pellets, flakes and powder from loss
- Covers manufacturing through transportation and end use
- OCS blue - new membership level





Thank you!

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MarineLitterSolutions.com