



Plastics industry efforts to reduce marine debris



Stewart Harris
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Plastics Division Members



BAYPOL



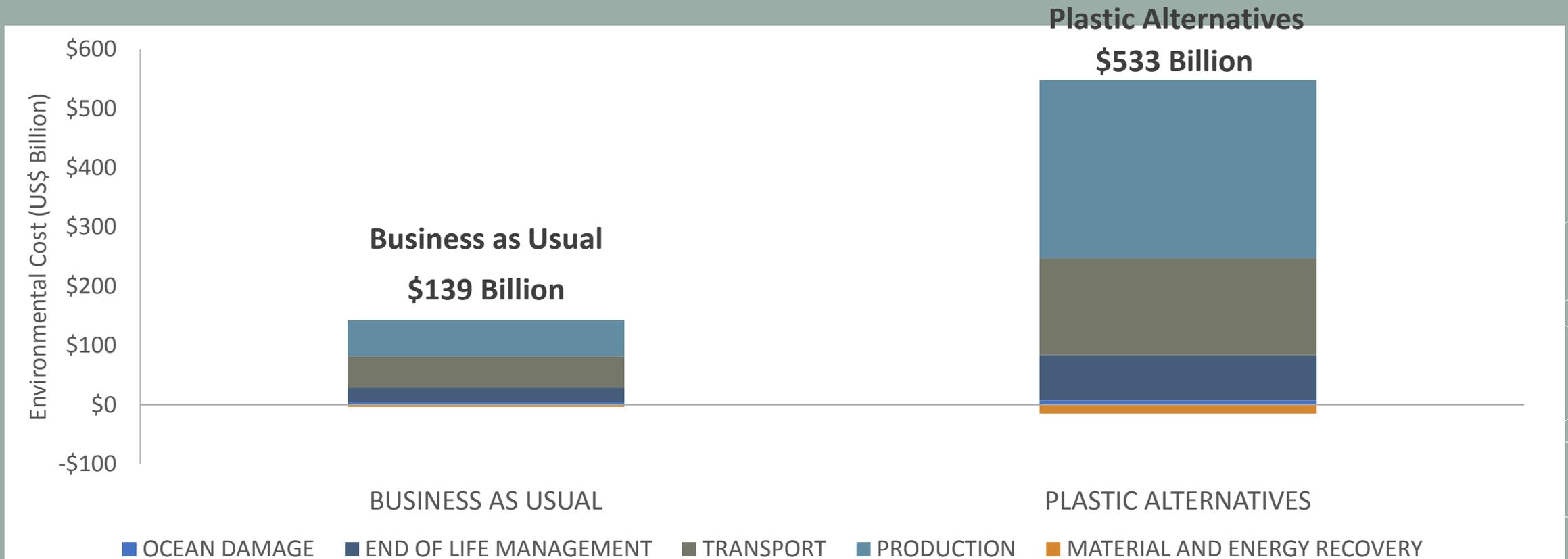
ExxonMobil



Plastics and Sustainability

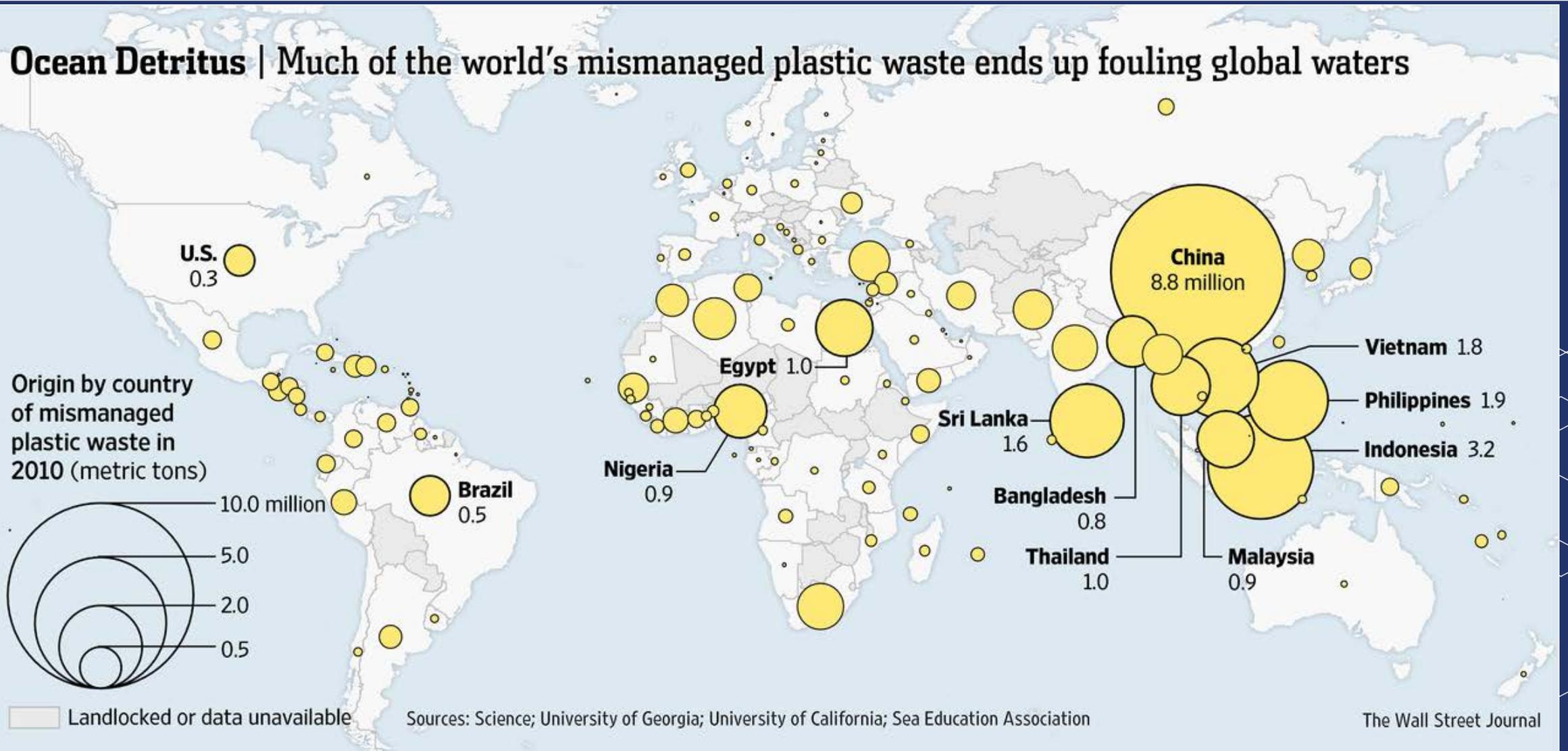


Environmental cost of plastic use in consumer goods is 3.8 times less than alternatives



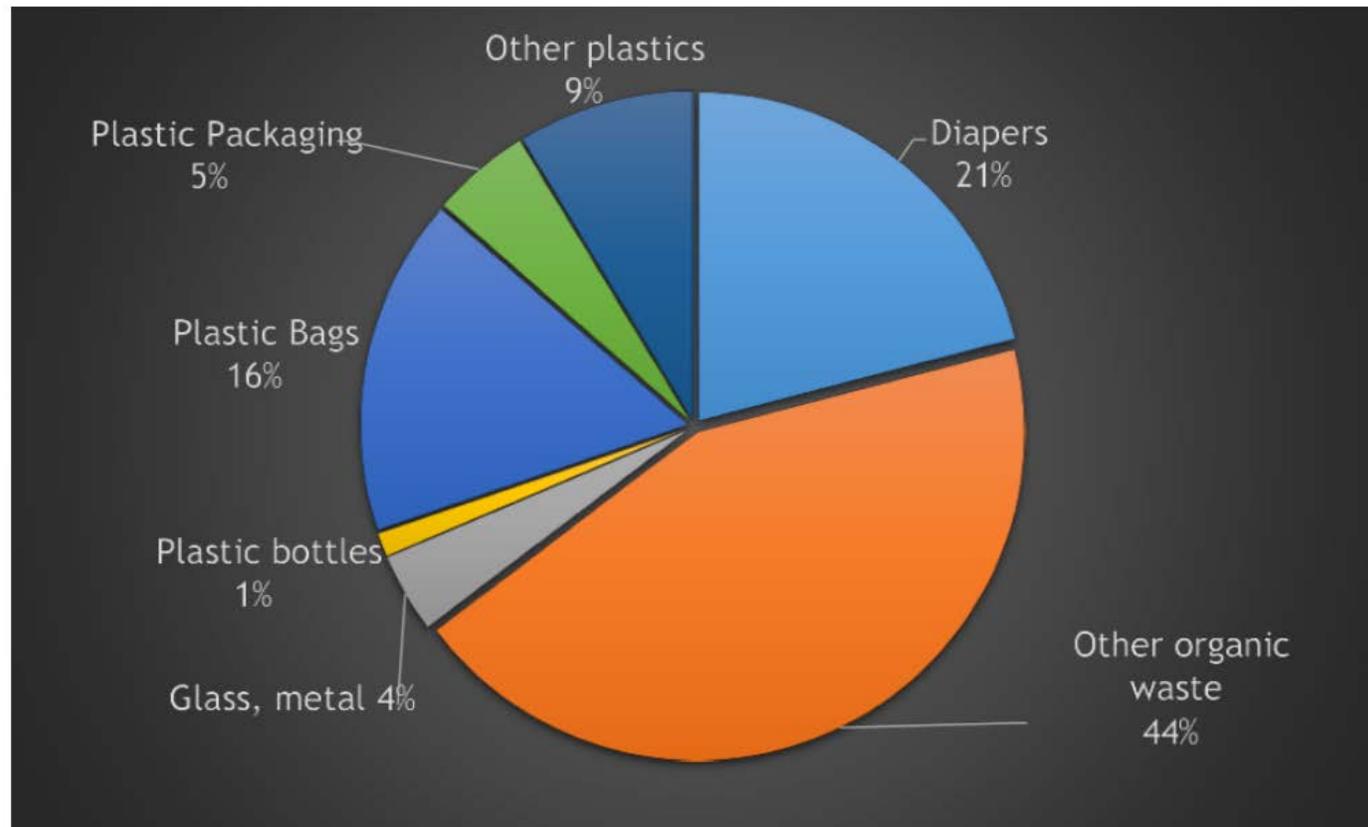
Sources of Plastic Marine Debris

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.



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



ALLIANCE TO END PLASTIC WASTE

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

Plastics in a Circular Economy

3%
of Energy



ACC Sustainability Goals

A photograph of three children participating in a recycling activity. 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. A boy on the left is holding a blue bottle cap. The bin has the text 'WE RECYCLE' and a recycling symbol on it. The background is a bright, outdoor setting with green foliage.

✓ 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

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

Recent Announcements (U.S.)

Agilyx, Delta Refinery Subsidiary Sign Deal to Convert Waste Plastics into Jet Fuel

BP deal will help RES Polyflow open first commercial plastics-to-fuel plant

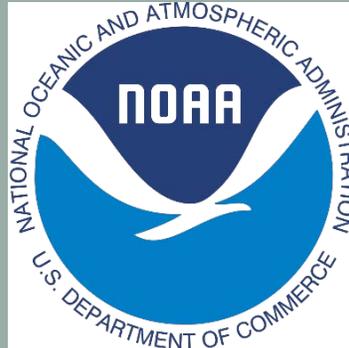
Brightmark Energy Closes \$260M in Financing for Plastics-to-fuel Plant

Renewlogy Converting Landfill-Bound Plastics to Fuel

AmSty and Agilyx Launch Joint Venture, Regenyx LLC

ReVital Polymers, Pyrowave and INEOS Styrolution partner to launch polystyrene recycling consortium

Marine Debris Partnerships



Warwick Litter Reduction Project

- Save The Bay Narragansett Bay® worked with local neighborhood organization - Conimicut Point
- Monthly clean-ups in 2017 showed no reduction in trash
- Weekly clean-ups combined with “Litter Free Pledge” messaging led to measureable decrease in litter during 2018

SAVE THE BAY®

NARRAGANSETT BAY

Promoting Policy

Supported Microbeads Free Waters Act of 2015

Supported Save Our Seas Act of 2018

Supporting straws on request policies

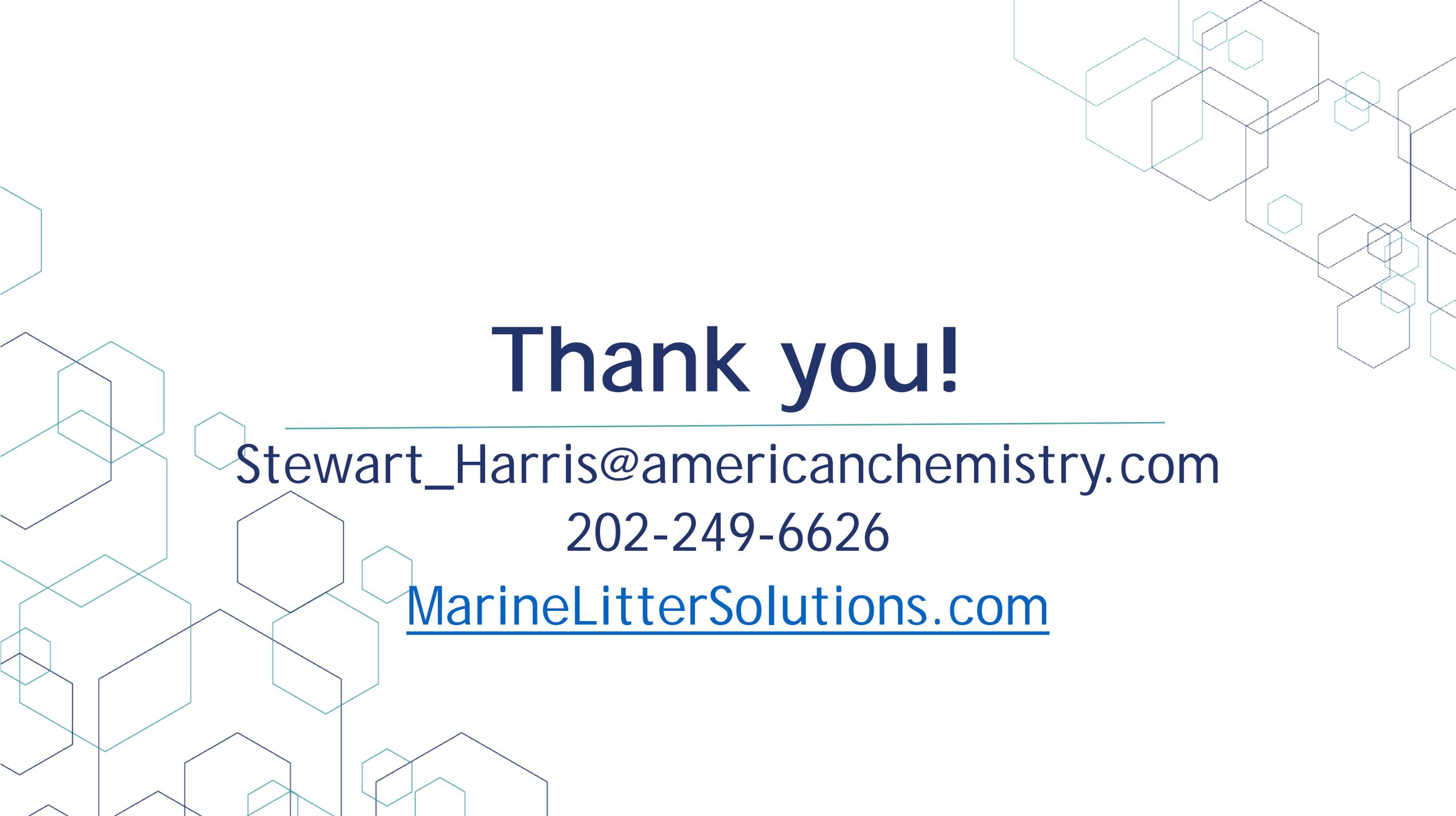


Stewarding Plastic Pellets



- 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