

Product Design Innovations Multi-stakeholder Platform on Marine Litter and Microplastics



**Stewart Harris
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ACC Plastics Division Members



Sustainability Goals - Key Elements

2030 & 2040 Goals

- 100% of plastic packaging will be recyclable or recoverable by 2030.
- 100% of plastics packaging will be reused or recovered by 2040.

Guiding Principles

Principles for Eliminating Plastic Waste through a Circular Economy

The American Chemistry Council (ACC) recognizes that plastic waste is a global priority and must be addressed by creating a circular economy by transitioning existing plastic products to be made from recycled plastic and by recovering plastic to make new products. Solving the challenge of plastic waste in the environment, including marine litter, cannot be successfully addressed by one approach of recycling, landfill, compost, reuse, recovery, energy recovery, or other plastic waste management solutions. It will require both public and private sector leadership and collaboration to address this global challenge.

Our Commitment
ACC calls for recovery of the U.S. plastic stream through recycling by 2030. 100% of plastic packaging will be recyclable or recoverable by 2030, and 100% of plastic packaging will be reused, recycled or recovered by 2040. To achieve this goal, ACC will continue to support the following principles to accelerate the elimination of plastic waste through the creation of a circular economy.

- Support Policy and Legislative Efforts Benefiting the Circular Economy**
 - National Recycling Strategy to support accelerated plastic waste recycling and recovery and include a multi-stakeholder Planning Process to support development of recycling, reuse, collection and distribution.
 - Disposal Fees to quantify the cost of disposal with a goal of elimination.
 - Advanced Recycling Incentives to encourage investment in recycling technology and infrastructure.
 - Regulatory Reform to streamline regulatory requirements and reduce burden on businesses.
 - Recycling Infrastructure and Education Goals to support investment in recycling programs and facilities for the collection, sorting and processing.
 - Public Recycling Infrastructure for curbside, street and other "hard-to-reach" collection to state, local and municipal levels.
 - Research & Development to advance recycling technology and infrastructure, including a focus on high-value, hard-to-recycle plastics and advanced recycling technologies.
 - International Leadership to engage with other nations to share best practices and develop common goals for plastic waste management and recycling.

- Minimize Plastic Waste through Recycling**
 - Build a robust recycling infrastructure that meets the needs of the U.S. market and is economically viable.
 - Improve and expand collection services.
 - Advance adoption and expansion of advanced recycling technologies.
 - Partner with government entities to develop and support recycling programs.
 - Reduce and divert plastic waste from landfills and incineration.
 - Recycle and divert plastic waste to produce new products and materials.

- Advance the Circular Economy in the Manufacturing of Plastic Products**
 - Expand and improve plastic-to-plastic recycling.
 - Use recycled plastic and other sustainable materials in plastic products.
 - Reduce plastic packaging waste.
 - Reduce plastic packaging waste by using lighter weight packaging.
 - Design for reuse and recycling.
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- Support a National Recycling Framework**
 - Support a national recycling system that is efficient, effective and economically viable.
 - Support the development of a national recycling system that is efficient, effective and economically viable.
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Roadmap to Reuse

Roadmap to Reuse
Plastic Solutions for America

from single use to reuse
AMERICAN CHEMISTRY COUNCIL

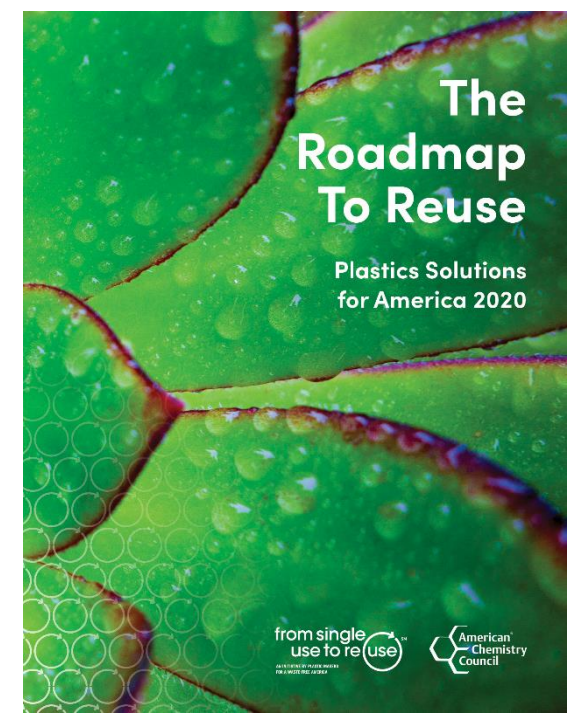
Focus Area	Phase I: Jump-start Impact (2020-2023)	Phase II: Most elements in place (2024-2027)	Phase III: Full system complete (2028-2040)
Value chain engagement	Roundup	Create and implement national recycling framework	
Consumer engagement	Standardize labeling and expand recycling education	Develop and implement incentives and penalties	
Access to recycling	Expand access for multi-family	Expand access for multi-unit	Expand access for rural residential single-family
Collection and sortation capability	Activate programs for film, flexible, flexible and small items	Scale up alternative collection programs and accelerate investment in collection facilities	
Recycling capabilities	Demonstrate advanced recycling	Scale up advanced recycling	Fully commercialize advanced recycling
Economics / end markets	Economic support to stabilize recycling of non-bottle plastics	Economic support for return to profitability	Grow and expand end markets

Continuous stakeholder actions

Focus Area	Tech Enablers	Manufacturers/ Brands/ Retailers	Households	Recyclers	Industry Groups	Governments
Value chain engagement	Continuing research and development to improve recycling technology	Design packaging for recyclability and ease of use	Identify needs to improve collection and sorting	Identify needs to improve quality and expand markets	Collaborate on standards and guidelines	Build national recycling framework
Consumer engagement	Support policy and programs to expand access	Use labeling programs to drive behavioral change	Expand education and outreach to households	Continue to develop guidance on recyclability	Expand education and outreach programs	Support policy and programs to expand access
Access to recycling	Support policy and programs to expand access	Multi-material packaging for recycling	Expand use of curbside recycling services	Support standardizing packaging for recycling	Engage partners and coordinate support	Expand national recycling programs
Collection and sortation capability	Partner with value chain to invest in technologies to improve collection and sortation of hard-to-recycle	Partner with value chain to invest in technologies to improve collection and sortation of hard-to-recycle	Invest in additional sortation capacity to handle additional hard-to-recycle	Develop state specifications for mechanical and advanced recycling markets	Identify and share best practices to improve collection and sortation	Support research and development of new technology
Recycling capabilities	Commercialize advanced recycling	Use recycled content in plastic packaging	Expand application of advanced recycling	Expand markets for advanced recycling	Identify and share best practices to improve recycling technology	Develop policy to support advanced recycling technology
Economics / end markets	Expand markets for recycled plastic	Design packaging with recycled plastic	Partner with non-manufacturing sectors on recycled plastic	Expand markets for recycled plastic	Coordinate advanced recycling technology	Support research and development of new technology

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Plastic Solutions for America Report



Automotive Design

Ford Taurus Front End Bolster

- 46% lighter weight
- Fuel savings--equivalent 770,000 gal. of gas
- Consolidates parts & reduces assembly times



GMC Plastic Running Board

- 51% lighter weight
- Fuel savings--equivalent 2.7 million gal. of gas
- Consolidates parts & reduces assembly times



Infrastructure Investments, Circular Solutions

Examples





Thank you!

Stewart_Harris@americanchemistry.com

202-249-6626

MarineLitterSolutions.com