

AMI World Recycling Expo, Cleveland, OH – November 9-10, 2022

Advanced Recycling: Putting circularity into circulation

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Key topics/messages

- Plastics make modern life possible
 - Plastics have sustainability benefits compared to alternative materials
- ExxtendTM technology for advanced recycling
 - Important complement to mechanical recycling; enabling society to:
 - Broaden the end use applications supported by plastic circularity, including medical and food contact; and
 - Increase the range of plastic that can be recycled
- Our projects and plans
 - Scaling up advanced recycling
 - Collaborating to tackle plastic waste in the environment



Industries where ExxonMobil enables benefits to society



Adhesives and sealants





Automotive





Commercial



Consumer products



Healthcare and medical



Industrial applications



Marine



Nonwovens



Oil and gas



Benefits of plastics relative to alternative materials



U.S. plastics packaging production² vs. substitutes



U.S. plastics packaging life-cycle GHG emissions vs. substitutes³

54% lower



Our WorldinData.org, 2020
Franklin study, 2018 (<u>https://plastics.americanchemistry.com/Reports-and-Publications/LCA-of-Plastic-Packaging-Compared-to-Substitutes.pdf</u>)
Franklin study, 2018, Max Decomp.; Figure 4-15; Impacts as defined in Ch 4.7: Global Warming Potential results, and indexed to the alternatives as a group



Our commitment to mitigate plastic waste

Reducing impacts in our own operations

Developing more advanced plastic products

Deploying scalable advanced recycling technology

C C

Collaborating across the value chain

Proactively engaging on policy



Expanding the life of plastic

Developing technology to help address plastic waste and improve the efficient use of resources



Our steps towards certified circular polymers



Path to 500kTa advanced recycling capacity by YE26

Planning basis, subject to trial outcome and final investment decisions



Interested in learning more?

Visit us at Booth#1507!



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