



Plastic Wastes

Presented by: Alex James
Principal Consultant,
ERM Corporate Sustainability Advisory

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The business of sustainability



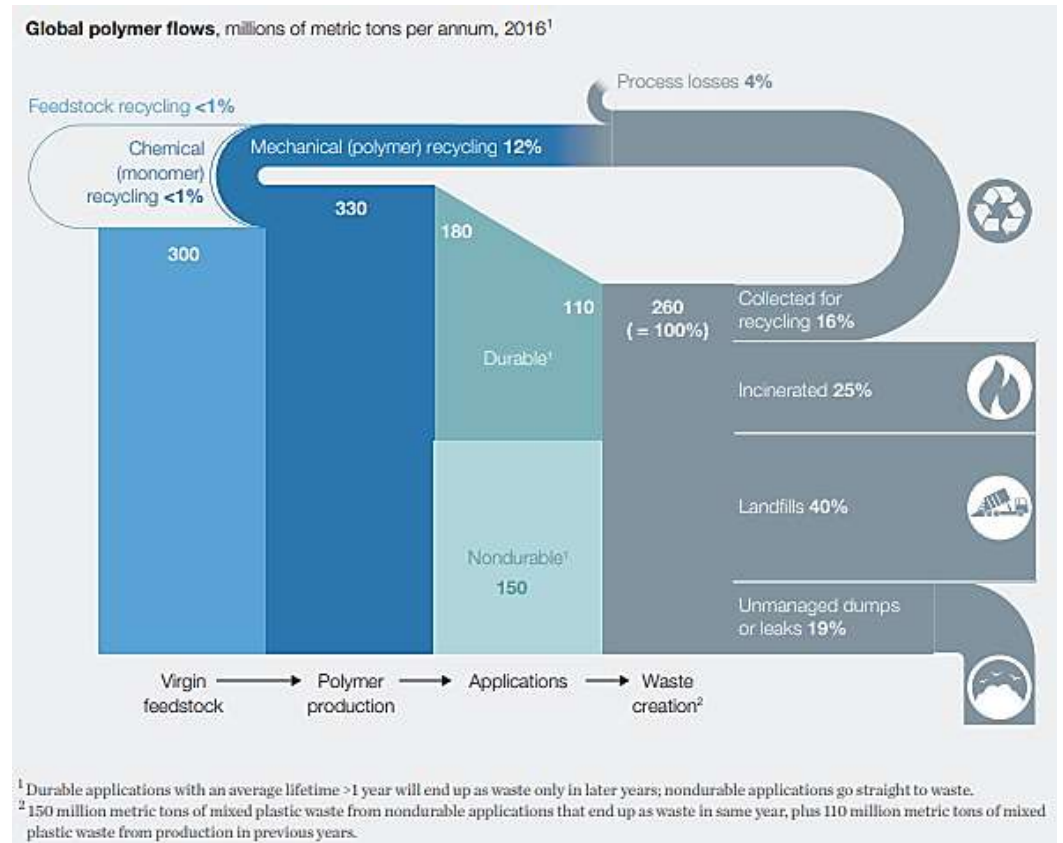
Current Generation and Fate of Plastic Waste

In the US 38.5 million tons is generated each year (2018)

Approximately:

- 234 lb/person/year
- 9% recycled
- 14% combusted for energy recovery
- 77% landfilled

Other parts of the world, the fate is often the ocean



Source: McKinsey&Company (Dec. 2018)

Current Generation and Fate of Plastic Waste

- 1.15 to 2.41 million metric tons of plastic enter the ocean each year
- Much accumulates in major gyres such as the Great Pacific Garbage Patch
- The estimated amount of plastic in the Great Pacific Garbage Patch is 1.8 trillion pieces of trash, weighing in at a total of 80,000 tons

Great Pacific Garbage Patch



Caribbean Garbage Patch



Technologies for Plastics Conversion

Plastics Combustion

Carl Bozzuto, CIBO Consultant

Plastic Waste Classification

Plastics Council

Current Technology Overview

Ari Kokko, Valmet

Bob Morrow, Detroit Stoker
Company





Thank you

Alex James
Principal Consultant
Corporate Sustainability
alex.james@erm.com
+1 202.471.2134
Washington D.C.

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