Partnerships in Materials Management

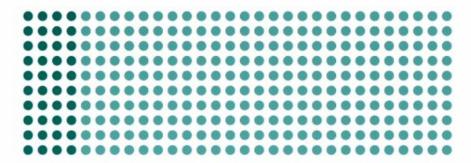
ECOS Fall Meeting
Maranda Demuth, Eastman



Opportunities going to waste

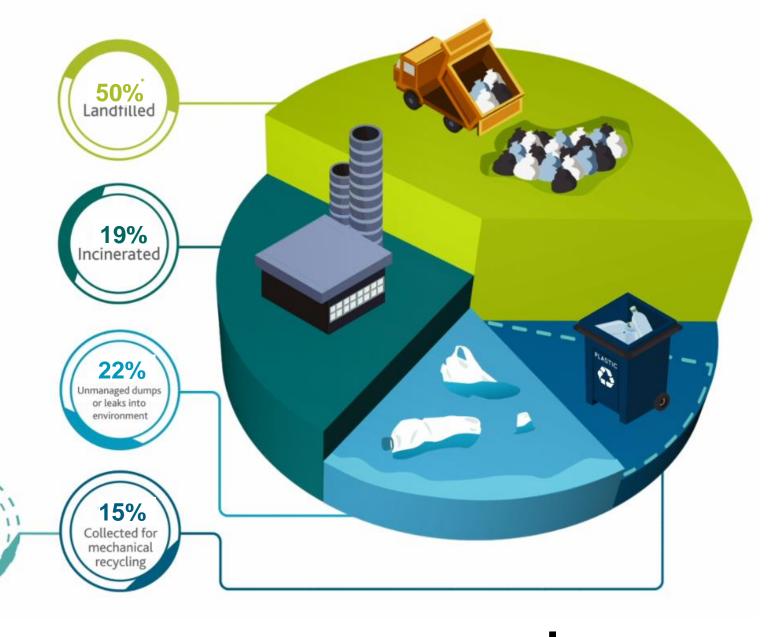
460 million metric tons

of plastics are produced globally



353 million metric tons

of plastics are disposed



Actually gets

Mechanical recycling is not enough to solve the plastic waste problem.

		Common Uses	Share of Plastic Waste Generated	Mechanically Recycled?
PETE	Polyethylene Terephthalate	Bottles	14%	Yes (clear) ~ 30% recycle rate
		Films, Forms, Other		X
		Textiles	N/A	Very Little
		Carpet	N/A	Very Little
L2 HDPE	High Density Polyethylene		17%	Yes ~ 9% recycle rate Natural HDPE ~ 31%
PVC	Polyvinyl Chloride		3%	X
4) LDPE	Low Density Polyethylene		23%	Very Little
5 5 PP	Polypropylene		23%	Very Little
6) PS	Polystyrene	000	7%	X
CTHER	Other (acrylic, polycarbonate, PETG, mixed plastics)		13%	Very Little Diversity of materials risks contamination

Most mechanical recycling results in **downcycling** into lower value products that eventually are landfilled.

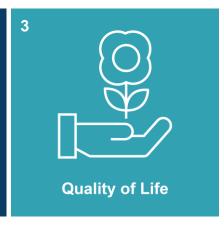
To turn this vision into reality...



Eastman follows six key principles:



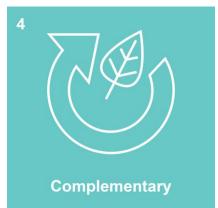




We prioritize the reduction, reuse, and recycling of plastics packaging.

Plastics are recovered using high yield, material-to-material recycling.

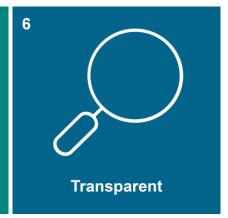
Demonstrate Lower GHG's vs. virgin; Meet/exceed regulations to improve quality of life for employees & communities.



We enable a waste ecosystem where mechanical & molecular recycling are complementary



Technologies are economically efficient for long-term success.



Claims are clear, transparent & accountable with 3rd-party certifications.

How can we renew the recycling system?

The critical connection between public policy, advanced technologies, and recycling capacity

