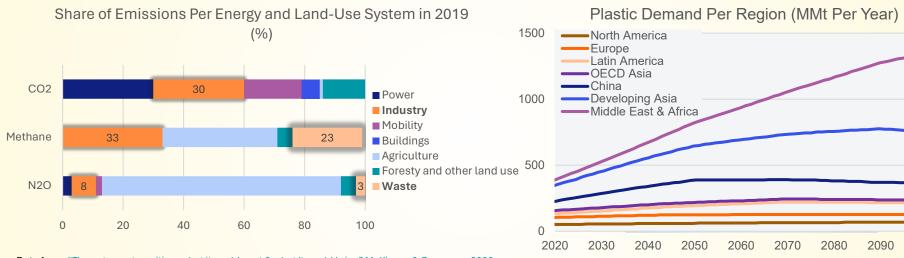


Decarbonization Today



Data from: "The net-zero transition: what it could cost & what It could bring" McKinsey & Company, 2022.

Data from: "The circular economy a powerful force for climate mitigation" Material Economics, 2018.

2100



What goes in your **Recycling** vs **Garbage**

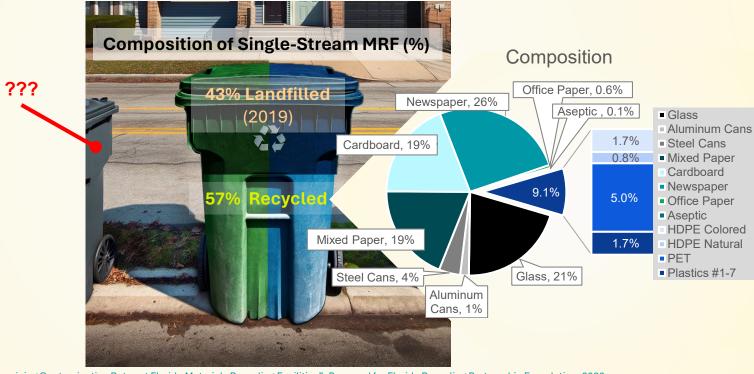






Recycling Bin Contents

Agenda





Recycling Pathways







Make New Products (re-make over again)

Use New Products (re-use over again)

Take Molecules Apart

Household Reuse Mechanical Recycling

Monomer Recycling Advanced Recycling



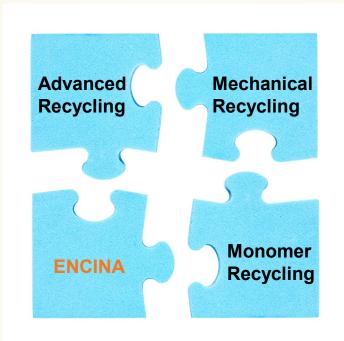
Monomer Polymer



No One Size Fits All













Balancing the Costs of Recycling



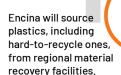


An Example: Encina's Circular Solution

These materials are delivered by enclosed trucks and stored in enclosed storage spaces on the site.



A catalytic process is used to pull apart the molecules, breaking down the materials back into their smaller building blocks.











Consumers use new plastic products and then discard them for recycling.

The liquid products are shipped to manufacturers who can simply drop them into their existing manufacturing processes and create thousands of new plastic products without using new, fossil fuel-based resources.



Decarbonizing Our Future

