## (1) ENCINA

INNOVATIVE SOLUTIONS FOR A CIRCULAR ECONOMY:
Navigating Decarbonization and Sustainability Challenges

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2024 TIEEP Energy Forum - May 1, 2024

## Decarbonization Today

Share of Emissions Per Energy and Land-Use System in 2019 (\%)


Plastic Demand Per Region (MMt Per Year)


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


Recycling
Markets


Landfill

## What goes in your Recycling vs Garbage



## Recycling Bin Contents



## Recycling Pathways



Make New
Products
(re-make over again)


Use New Products (re-use over again)

Take Molecules Apart


## No One Size Fits All



## Balancing the Costs of Recycling



## An Example: Encina's

## Circular Solution



## Decarbonizing Our Future



