

# A materials innovation company

- Celebrating more than 100 years of vital innovations that enhance people's lives every day.
- A Fortune 500 company with approximately 14,500 employees and approximately 10.5 billion USD in revenue (2021)
- Dedicated to enhancing the quality of life in a material way
- Sustainability strategy commitment to mitigating climate change,
   mainstreaming circularity and caring for people and society

























## Three simultaneous global crises need solutions

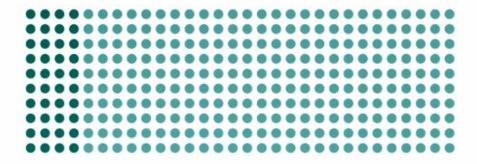


**EASTMAN** 

# Opportunities going to waste

#### 300 million metric tons

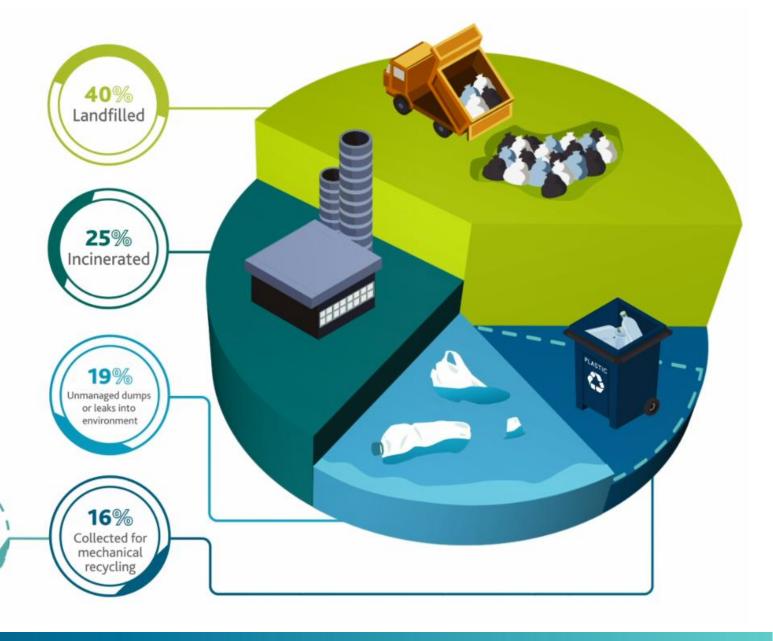
of plastics are produced globally



Actually gets

260 million metric tons

of plastics are disposed



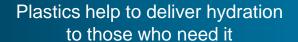
# Plastics are essential ... but the waste issue must be solved

HYDRATE

FEED

CARE







Advanced packaging technologies preserve fruits, vegetables, & meats



Plastics improve sterility, patient safety, and comfort in therapies







Chemical companies make materials/plastics used to make stuff

These materials/plastics are made mostly from carbon

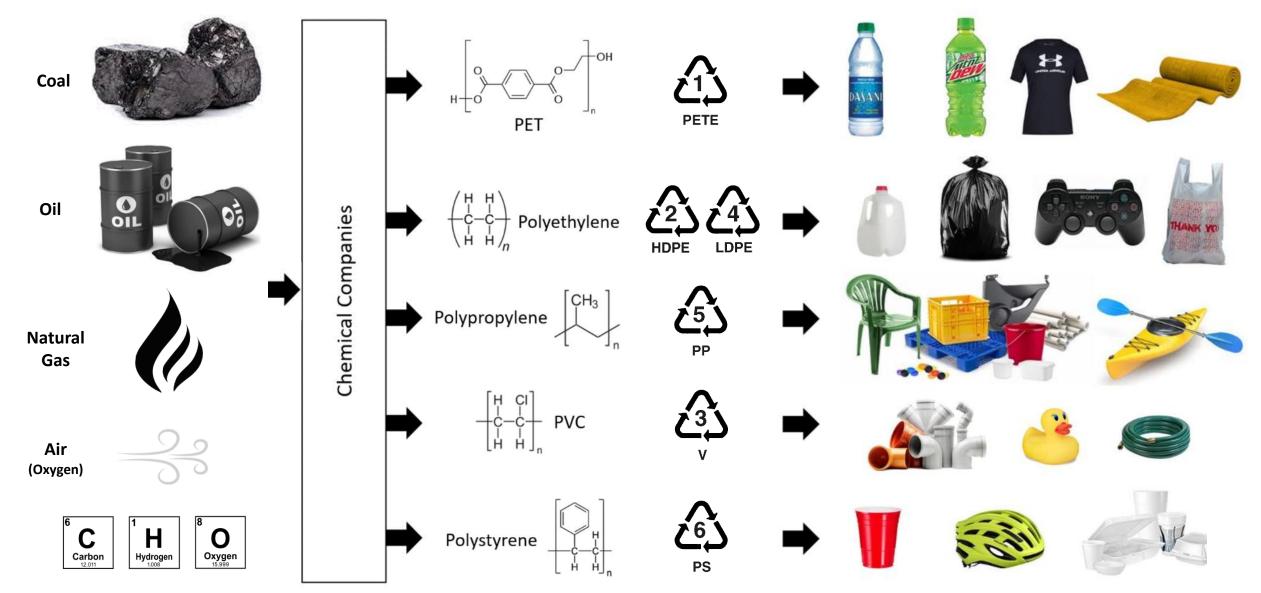


hydrogen



and oxygen





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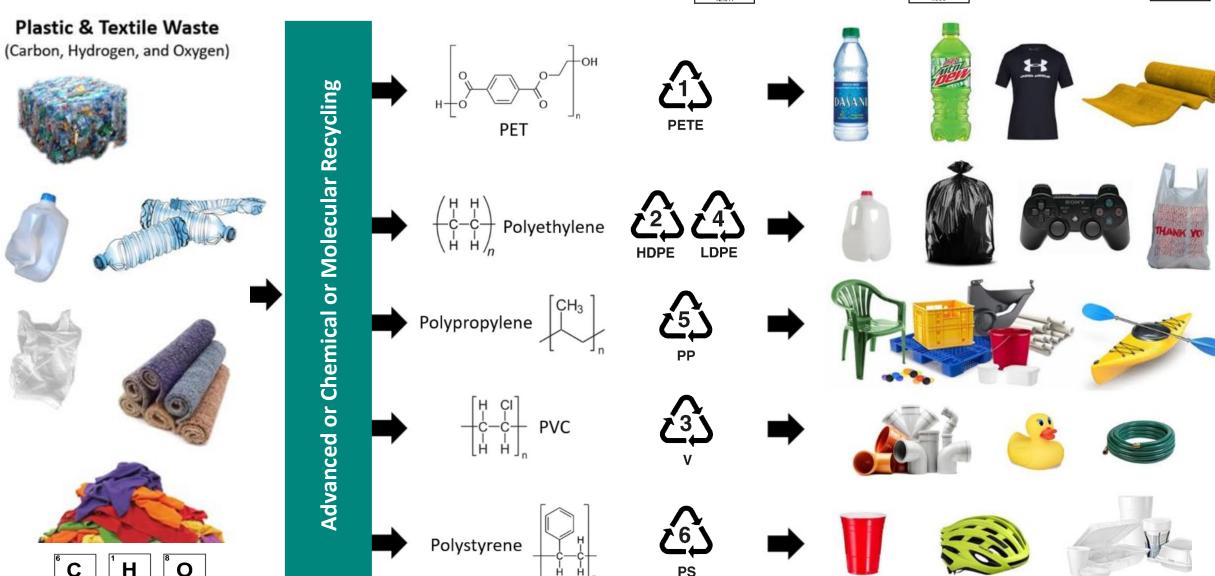


, hydrogen



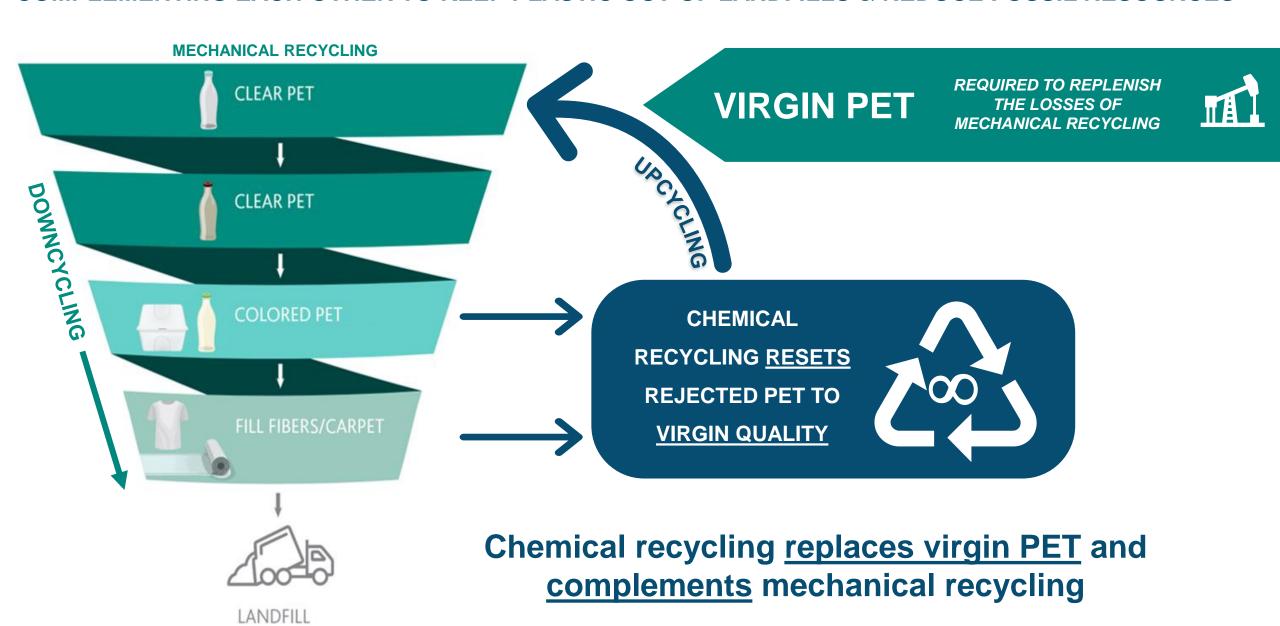
and oxygen





#### MECHANICAL RECYLING + CHEMICAL RECYCLING

COMPLEMENTING EACH OTHER TO KEEP PLASTIC OUT OF LANDFILLS & REDUCE FOSSIL RESOURCES



## Vision for a sustainable future...

Transforming our product portfolio to participate in the circular economy via two loops



Carbon renewal
technology

REFORMING
Operational today

20-50% less GHG emissions\*

Polyester renewal
technology

GLYCOLYSIS
METHANOLYSIS
Operational today
Operational by 2023

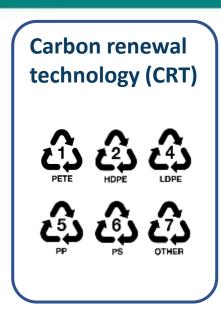
20-30% less GHG emissions\*

\$250M investment & >15% ROIC
Operational by 2023





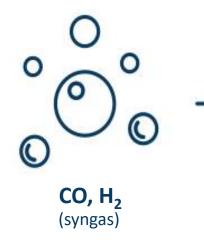
### EASTMAN'S MOLECULAR RECYCLING TECHNOLOGIES







#### **MOLECULES**





Cellulosic Plastics, Textile
Fibers & Acetyl Chemicals
(20-100% recycle content)



20-50% LOWER GHG (syngas)

# Polyester renewal technology (PRT)





#### **MONOMERS**



recycled EG





20-30% LOWER GHG (rDMT, rEG)

**EASTMAN** 

**Eastman Advanced Circular Recycling Technologies:** 

carbon renewal & polyester renewal

will process over

# 20 million pounds by 2030 million pounds of waste annually by 2025

# Will 250,000,000 pounds of plastic waste fill Neyland Stadium, and if so, how many times?





Neyland Stadium
Home of the Tennessee Volunteers *Knoxville, TN* 

## What does 250,000,000 pounds of waste plastic look like?







# 250,000,000 pounds of plastic waste would fill the famous Neyland Stadium in Knoxville, TN <u>over 2x!</u>

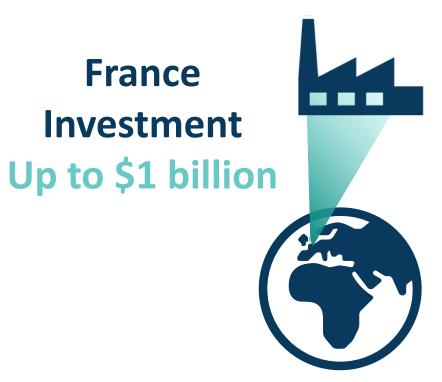
We will be processing this volume of plastic waste each year starting in 2023.

# **Beyond Tennessee**



Molecular recycling plant under construction in Kingsport, TN

2023



Molecular recycling plant, polymer lines, mixed plastic waste processing unit, and innovation center announced for France.

2025

## **Progress in Tennessee**

Turning Renderings to Reality





