

Presentation to Maryland House Committee

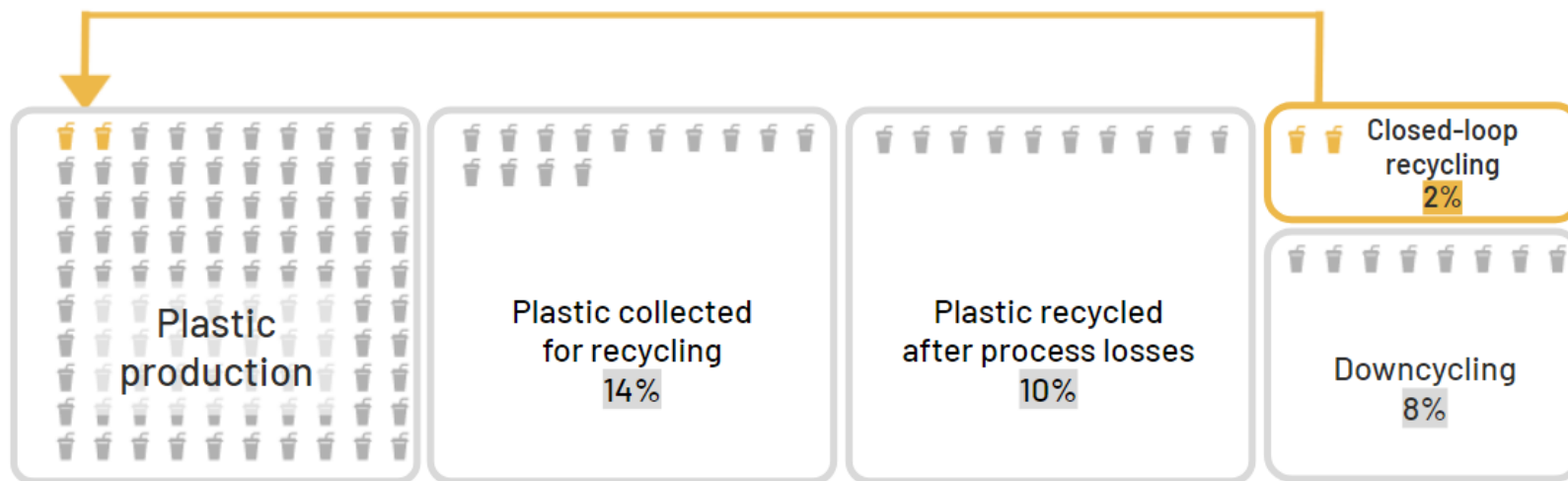


Chemical Recycling and the Plastic Problem

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We have a problem with plastic recycling



Source: Ellen MacArthur Foundation (2016). A New Plastic Economy.

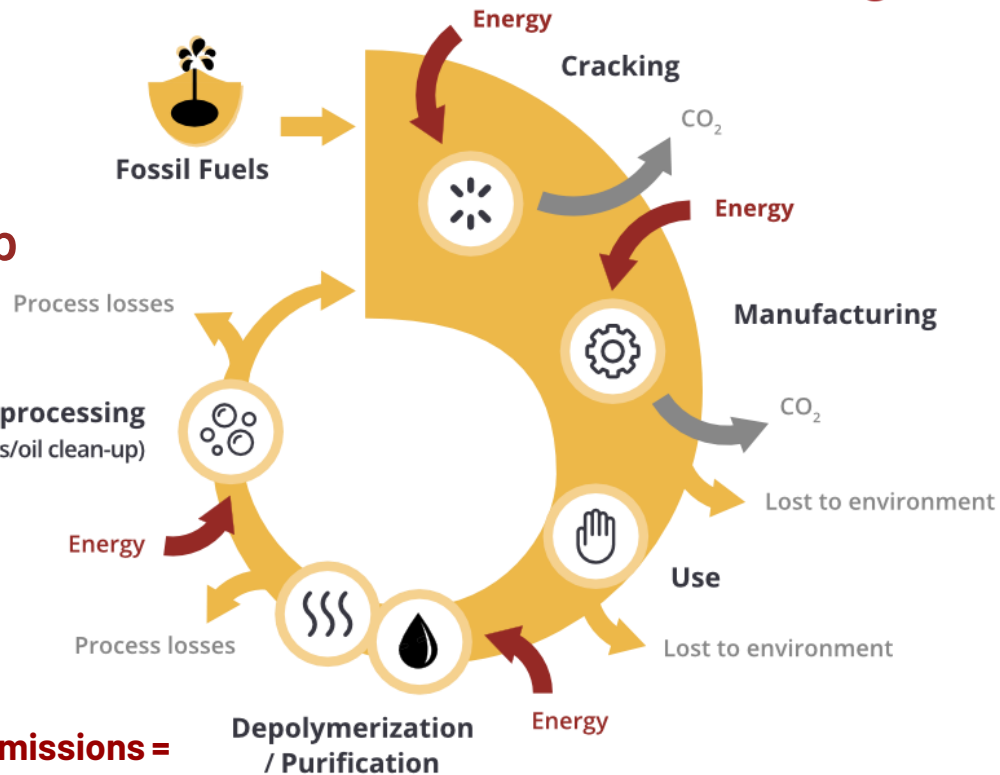
No circular economy in plastic



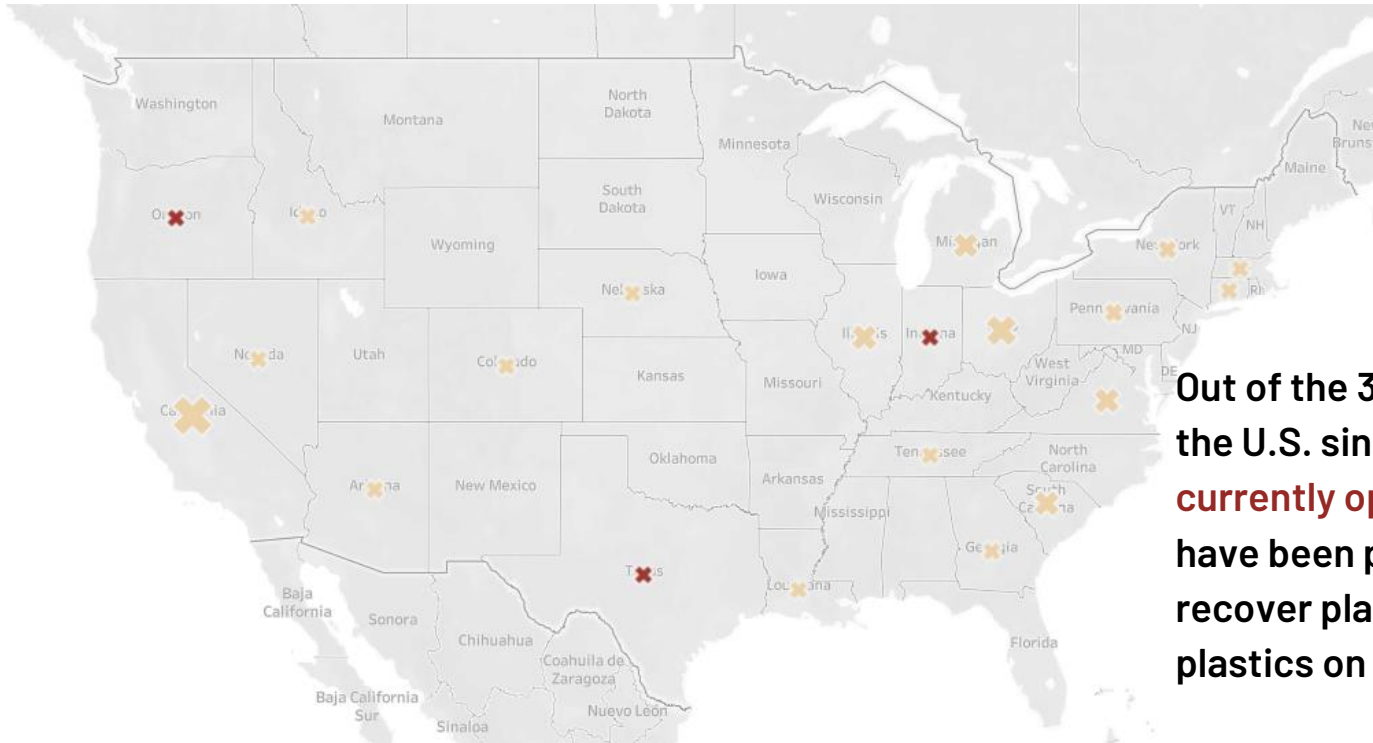
High energy intensity
High carbon emissions
Little plastic makes the round trip

**CO₂ emissions =
40% of input**

**CO₂ emissions =
2.5 x input**



Proposed & existing chemical recycling facilities



Out of the 37 facilities announced in the U.S. since 2000, **only 3 are currently operational** and none have been proven to successfully recover plastic to make new plastics on a commercial scale.

For more on chemical recycling:
www.no-burn.org/chemical-recycling-resources



The screenshot shows the Gaia website's navigation bar with the logo and menu items: "Who we are", "What we do", "Stories", "Resources", "Get Involved", "Donate", and "Español". Below the navigation is a search icon. The main content area is titled "Chemical Recycling" and features three resource cards. Each card includes a thumbnail image, a title, a date, and a brief description of the content.

Chemical Recycling

Understanding the Environmental Impacts of Chemical Recycling

Dec 9, 2020

This joint paper presents key findings from a review of some of the most commonly cited chemical recycling and recovery LCAs, which reveal major flaws and weaknesses regarding scientific rigour, data

False Solutions to the Plastic Pollution Crisis

Nov 9, 2020

Fact Sheet: False solutions to the Plastic Pollution Crisis As the global plastic pollution crisis continues to grow, so does industry hype around techno-fixes, including waste-to-energy incineration and chemical processing of plastic waste. Such...

US State Legislation Alert: "Plastic-to-fuel" bills

Sep 25, 2020

In 2017-2020, the plastics and chemical industry, represented by the American Chemistry Council (ACC), led an effort to make legislative changes to statewide policies to promote pyrolysis or "plastic-to-fuel" (PTF). This strategy