

Building a better circle

Molecular recycling facility

Through innovation, Eastman is helping solve the world's plastic waste crisis and reducing greenhouse gas emissions right now. Using a molecular recycling technology that will unzip polyester back to its original monomers, we can create new plastic from waste. Eastman is committed to building a better circle — a better planet for all.

At a glance



Eastman's facility will be one of the largest molecular recycling facilities in the world.



Two-year investment of approximately \$250 million



Can recycle materials an infinite number of times instead of downcycling or sending them to landfill, incineration, or into the environment



Supports the company's long-term goals of reducing both its use of fossil feedstocks and greenhouse gas emissions



To be located at Eastman's Kingsport, Tenn., site — one of the largest integrated chemical manufacturing sites in North America



Expands capacity of Eastman's Advanced Circular Recycling technologies that can recycle almost any waste plastic

Construction begins in March 2021.

Facility expected to be mechanically complete by end of 2022.

Examples of what Eastman will recycle

This new molecular recycling facility will recycle polyester waste that cannot be recycled by curbside (mechanical) recycling.



Polyester renewal technology will have the capacity to recycle 110,000 metric tons annually

Examples of what Eastman will produce with recycled content

Polyester renewal technology will produce Eastman specialty plastics for the durables, medical, and consumables markets that:

- Are indistinguishable from materials produced through traditional manufacturing processes
- Account for 20%–30% reduced greenhouse gas emissions compared to processes using fossil feedstocks

