

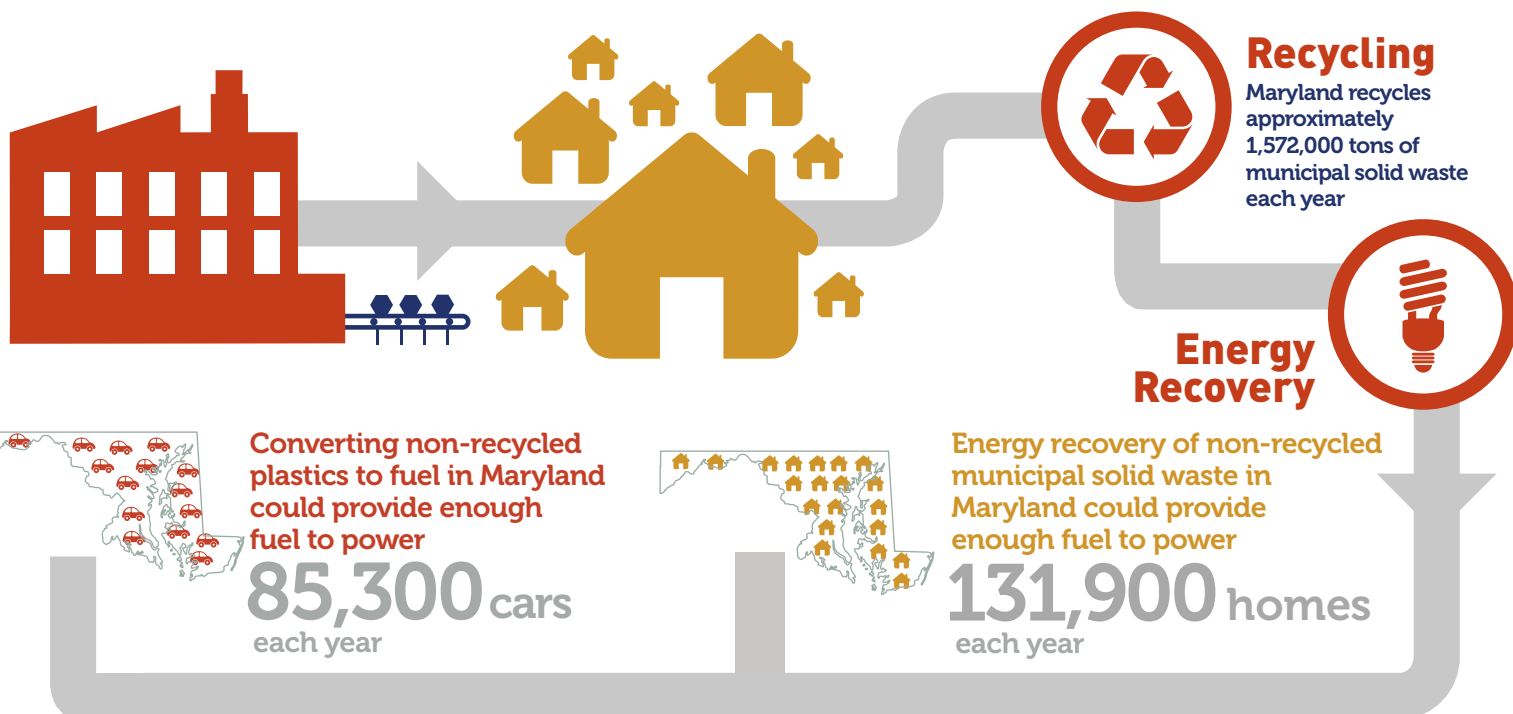
CONVERTING NON-RECYCLED WASTE IN MARYLAND TO ENERGY AND FUELS

Chemistry is creating energy solutions for a strong, secure and sustainable future.

Chemistry is transforming waste into a valuable energy resource through advanced energy recovery technologies. Recovering this abundant energy complements recycling and reduces waste that would otherwise be sent to landfills.

Although traditional recycling rates in the U.S. are growing and must continue to do so, tons of high energy-content products, like non-recycled plastics and other materials, are buried in landfills every day – wasting a valuable energy source. Modern energy recovery facilities can process waste with fewer emissions than conventional fuels processed in most power plants, while innovative plastics-to-fuel technologies convert plastics into alternative fuels.

Chemistry is unlocking the energy in discarded materials:



UPDATE MARYLAND'S STATE POLICY TO:



Modify the definition of "solid waste" to exclude used plastics when they are used to produce fuel or petroleum derivatives. And/or expand variance provisions to allow entities to petition for "solid waste" exclusions to cover entire groups of materials.



Distinguish between facilities that process materials through traditional means to recover energy (e.g., WTE facilities) and facilities that process materials to produce fuel or petroleum derivatives.



Create a mechanism to support the development of gasification and pyrolysis technologies (e.g. grant or incentive programs, regulatory waivers) and/or support research to demonstrate how these technologies can help advance efforts to achieve "zero waste."