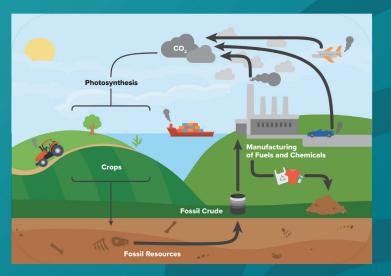


The Clean Fuels & Products Shot[™] will make major progress in decarbonizing the transportation and industrial sectors through alternative sources of carbon.

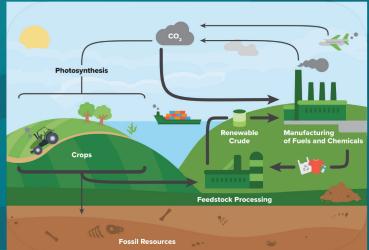
THE CHALLENGE

The carbon cycle is *imbalanced*



Portions of the transportation and industrial sectors will continue to rely on carbon-based resources even after extensive deployment of clean energy sources such as electrification and hydrogen.

THE GOAL Rebalance the carbon cycle for fuels and products



Develop cost-effective fuels and products from sustainable carbon sources that achieve >85% lower net GHG emissions by 2035.

DID YOU KNOW...

the U.S. has 1 billion tons of sustainable biomass and waste feedstocks that can be harvested and collected to meet the growing demand for food?

Source: Billion Ton Report



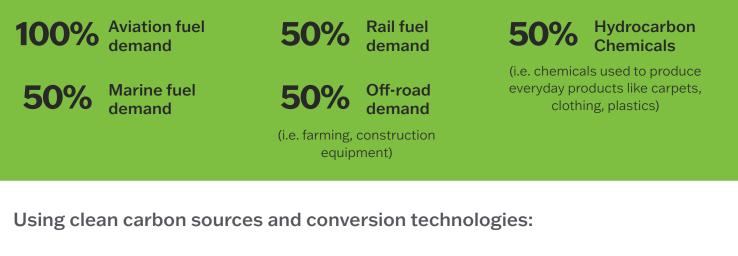
>85% net reduction vs. fossil-based sources

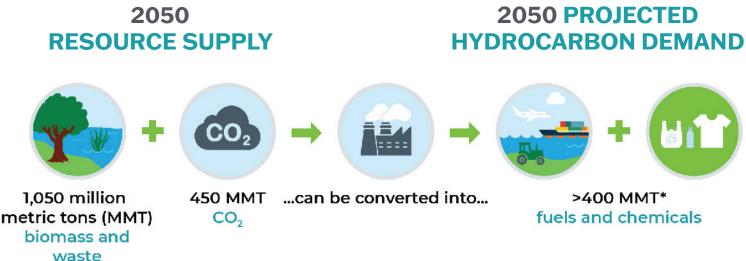


2035

TARGETS BY SECTOR

By 2050, this Earthshot aims to meet significant U.S. fuel and product demand through using sustainable carbon sources for five major sectors.





*This Energy Earthshot assumes that 50% of marine, rail, off-road, hydrocarbon chemicals and 100% of aviation demand will be met by hydrocarbon fuels in 2050.

THE IMPACT

If the Earthshot targets are met, the U.S. achieves:

- A 650 million metric ton reduction in greenhouse gas emissions (GHG) that's over 10% total 2019 U.S. GHG emissions.
- Revitalization of communities near refining and petrochemical facilities as well as expanded economic opportunities in rural areas with significant biomass and waste resources.
- Increased energy security through developing and safeguarding the domestic supply chain for needed fuels and products.

