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<https://seekingalpha.com/article/4513213-america-growing-bioenergy-market-needs-clearer-monitoring-and-more-innovation>

America's Growing Bioenergy Market Needs Clearer Monitoring and More Innovation

PBW, PBD

- Bioenergy, a form of renewable energy derived from organic materials (or biomass), will play a pivotal role in helping the world achieve net-zero emissions by 2050.
- The main federal policy to support the US biofuels market is the renewable fuel standard (RFS), which requires refiners to blend certain volumes of biofuels in gasoline each year.
- The production of biomass-based diesel – namely biodiesel and renewable diesel – has taken off in the US and is set to increase further.

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... the deployment of and investment in bioenergy is rising in other sectors as well, led by mounting action from corporates and investors across sectors to decarbonise their businesses and portfolios. So, let's take a look at the growth prospects of various bioenergy applications in the US, as well as the challenges they face.

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... state level, California's low-carbon fuel standard (LCFS), the backbone of a carbon intensity-based cap-and-trade system, has been playing a substantial role in incentivising biofuels production in and near

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... production of biomass-based diesel – namely biodiesel and renewable diesel – has taken off in the US and is set to increase further. Of the two, biodiesel dominates the bio-based diesel market, but renewable diesel is seeing faster growth. This is partly because renewable diesel is compatible with existing distribution infrastructure and engines. With same composition as fossil diesel, renewable diesel does not have a blending limit, whereas

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... is estimated by Bloomberg New Energy Finance (BNEF) that the demand for bio-based diesel feedstock will more than double from 2020 to 38.3bn pounds (17.4bn kilograms) in 2022, and soar to over 64bn pounds (19bn kilograms) in 2024.

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