



US Air Transport New Energy Storage Line

Will sustainable aviation fuel production increase by 1400% in 2024?

July 17 (Reuters) - Production capacity of sustainable aviation fuel in the United States could jump by 1400% in 2024 if all announced capacity additions come on line, the U.S. Energy Information Administration said on Wednesday. The EIA anticipates domestic production of biofuels will increase by about 50% in 2024, led by rising SAF production.

Will there be enough sustainable aviation fuel?

Virgin founder Sir Richard Branson admitted it was "going to take a while" before there was enough SAF for everybody to use. "But you have to start somewhere," he told the BBC. "And if we didn't prove it can be done, you would never, ever get sustainable aviation fuel."

Do airports have fuel storage?

All commercial airports have on-site fuel storage--an area called the tank farm. A tank farm comprises multiple interconnected pieces of equipment designed to safely receive, store, and dispense fuel to aircraft.

When is Virgin Atlantic completing the first 100% sustainable aviation fuel transatlantic flight?

Virgin Atlantic Boeing 787 arrives to complete the first 100% Sustainable Aviation Fuel transatlantic flight from London's Heathrow airport to John F. Kennedy International Airport, in New York City, U.S., November 28, 2023. REUTERS/Brendan McDermid/File Photo Purchase Licensing Rights

How do Airlines manage fuel infrastructure?

Airlines are responsible for purchasing fuel and ensuring quality. The consortium may directly operate the infrastructure system or contract out operations to a third party. Airports size their fuel infrastructure to accommodate their peak week of the year and allow for future growth.

What percentage of the world's planes use alternative fuel?

In 2018, the United States accounted for 25% of the world jet fuel consumption and 21% of global enplanements (an instance of a person boarding a plane) (EIA 2020a; FAA 2020; ATAG 2019). Airports and airlines are considering alternative fuel to meet environmental and sustainability goals and mandates.

The U.S. Department of Energy (DOE) today announced USD15 million for 12 projects across 11 states to advance next-generation, high-energy storage solutions to help accelerate the electrification of the aviation, railroad, ...

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"Multi-day" battery storage startup Form Energy's proprietary iron-air battery is set to be deployed at the sites of two US coal power plants due for retirement. Form Energy ...

In January, the agencies released the U.S. National Blueprint for Transportation Decarbonization, the landmark interagency framework of strategies and actions to remove all emissions from the transportation sector by 2050.

A multi-institution, multidisciplinary group of researchers led by Lehigh University recently received a \$1.7 million grant from the National Science Foundation to fund the collaborative ...

The Norwegian government has made room in its 2025 budget for a multimillion-dollar investment destined to be injected into its carbon capture and storage (CCS) project, ...

The company wants to combine hydrogen and compressed air energy storage (CAES) technologies at facilities built in large underground salt caverns. It said yesterday that an exclusivity agreement has been signed for a ...

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids. Replacing fossil fuel-based power generation with power ...

