



US Air Transport New Energy Storage Line

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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.

What is a refinery fuel storage system?

Refineries: Each refinery has a unique design. Refinery fuel storage is generally sized for its capacity, with limited or no excess storage. A limited number of refineries could receive third-party fuel into their fuel storage area, and off-loading equipment would be needed.

Should energy storage be out of the box?

As the constraints of classical energy storage thinking are reconsidered, operating temperature, fuels versus oxidizers and the physical boundaries of the energy storage system are all up for grabs. Think less "out of the box" and more that there is no box. Please carefully review the REQUEST FOR INFORMATION GUIDELINES below.

Where can I find information about sustainable aviation fuel regulation?

U.S. International Trade Administration. 2024. "European Union Aerospace and Defense Sustainable Aviation Fuel Regulation." Feb. 8, 2024. Voegele, E. 2023.

By NREL's analysis, airports can optimize the value of their energy investments by building local generation--like battery storage--and by supplying electricity back to the local grid to bolster its ...

(b) Railways: "Battery 1K" can enable cross-country travel in the United States (U.S.) with fewer stops while also reducing the amount of infrastructure needed for charging/refueling.

SAF is defined as an advanced biofuel under the Renewable Fuel Standard (RFS).¹ This report explores background information on jet fuel use, quality standards and practices, airport infrastructure, and ...

The U.S. Department of Energy (DOE) today announced up to USD30 million in funding to develop next-generation, high-energy storage solutions to help accelerate the electrification of the ...

There are three domestic plants and one international plant supplying the U.S. market as of mid-2024. Numerous pilot- and demonstration-scale plants in the United States and globally are ...



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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 ...

The US Air Transport New Energy Storage Line initiative is turning this vision into reality, blending aviation ambitions with clean energy storage solutions. Let's unpack why this innovation ...

As leaders in behind-the-meter storage research, NLR researchers are focusing on energy storage technologies that minimize costs and grid impacts by integrating electric vehicle and aircraft ...

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