AMERICAN AIRLINES AND INFINIUM ANNOUNCE COMMERCIAL PASSENGER FLIGHT POWERED BY ESAF

News / Airlines

© 2015-2026 50SKYSHADES.COM — Reproduction, copying, or redistribution for commercial purposes is prohibited.

American Airlines and Infinium today announced its first delivery of eSAF to a commercial airport for use in a commercial passenger flight, marking a major milestone in the decarbonization of aviation. The eSAF was allocated to an American flight that departed Corpus Christi International Airport (CRP) and landed at Dallas Fort Worth International Airport (DFW), demonstrating the real-world deployment of next-generation, drop-in sustainable aviation fuel.

The eSAF used for the flight was part of a batch produced and blended at Infinium's Pathfinder facility in Corpus Christi, Texas — the world's first commercial-scale power-to-liquids eFuels production site, which has been operating since 2023. The eSAF batch was blended with conventional jet fuel and tested to meet the ASTM International specification for JetA, certifying its use in today's aircraft engines and fueling infrastructure without further modification. It was then delivered to the common jet fuel tanks at CRP before being allocated to American's flight to DFW — the first delivery of SAF made without biobased feedstocks to a commercial airport in the U.S. The flight demonstrates the compatibility of eSAF with existing aviation jet fuel supply chains.

Infinium's eSAF is made using waste CO? and renewable electricity, delivering a meaningful reduction in lifecycle greenhouse gas (GHG) emissions compared to conventional jet fuel. Infinium's eSAF can reduce lifecycle GHG emissions by over 90% compared to conventional petroleum-based jet fuel.

Infinium CEO Robert Schuetzle commented: "Since 2023, we have been producing scalable, drop-in eDiesel and eNaphtha at our Pathfinder facility from waste carbon and renewable energy for use in commercial trucks and plastics processing. Adding eSAF to our product slate — and seeing it power a commercial passenger flight — marks another meaningful step forward in bringing practical, low-carbon fuel solutions to industry."

American's CEO Robert Isom stated: "This?flight represents?a significant moment for aviation. Through our partnership with Infinium, we're demonstrating how?next generation?technologies? like eSAF can?move?from early investment?to real-world application. Scaling?SAF?production?at? lower prices?is essential to reducing?emissions, strengthening our long-term?competitiveness,? and?continuing to deliver the?connectivity and economic?benefits that our customers?rely on."

American Airlines, a leader in advancing sustainable aviation fuel adoption, is working across the value chain to accelerate deployment of low-carbon aviation solutions. The airline has an offtake agreement for commercial volumes of eSAF from Infinium's Project Roadrunner, supported in part by a separate agreement with Citi to enable Scope 3 emissions reductions from employee travel. These partnerships reinforce the collaboration needed to scale next-generation fuels. Project Roadrunner, financed by Breakthrough Energy Catalyst and Brookfield Asset Management, with nonrecourse project debt from HSBC, is currently under construction and expected to begin eSAF production and deliveries in 2027. Once it reaches full capacity, Project Roadrunner is expected to produce over 5 million gallons of eSAF annually.

Aviation currently consumes nearly 100 billion gallons of jet fuel annually, with global air travel exceeding 4 billion passengers per year. Despite growing momentum, sustainable aviation fuel accounts for less than 1% of total jet fuel use worldwide. Scalable, drop-in fuels like eSAF offer one of the most near-term and practical solutions for reducing aviation emissions. Scaling eSAF also strengthens energy security by diversifying aviation fuel supply, helping create a more resilient system.

"This first-of-its-kind eSAF flight from American Airlines and Infinium is an important step for lower

© 2015-2026 50SKYSHADES.COM — Reproduction, copying, or redistribution for commercial purposes is prohibited.

carbon aviation and we are proud to support this effort with our long-time partner," said Citi Head of Enterprise Services and Public Affairs Edward Skyler. "Given the potential SAF has on reducing emissions, we look forward to efforts to scale its production."

Today's flight marks a transition from innovation to implementation, signaling a new phase in scaling viable, low-carbon alternatives to conventional jet fuel and advancing the future of sustainable flight.

"South?Texas has long?been an energy leader, and today's sustainable?aviation?fuel? announcement shows how our?region?continues to?innovate," said?Congressman?Vicente Gonzalez (TX 34). "The work?Infinium?and American are?doing in?Corpus Christi?strengthens our local economy?while advancing?our nation's?energy security.?We?need to?continue? investing?in domestic?energy production to?help?create American jobs?and reduce our?reliance on foreign energy sources."

07 AUGUST 2026

ARTICLE LINK:
https://virginia.50skyshades.com/news/airlines/american-airlines-and-infinium-announce-commercial-passenger-flight-powered-by-esaf

© 2015-2026 50SKYSHADES.COM — Reproduction, copying, or redistribution for commercial purposes is prohibited.