

DELTA AIR LINES

SAF Overview

April 27, 2021



SUSTAINABILITY IS CORE TO DELTA'S VALUES-LED CULTURE.

“There is no substitute for the power that travel has to connect people, which our world needs today more than ever before. As we connect customers around the globe, it is our responsibility to deliver on our promise to bring people together and ensure the utmost care for our environment.”

– Ed Bastian, Delta’s CEO

Our commitment:

Over the next ten years, to become Carbon Neutral across our global aviation business from March 2020 onward by investing in:



Carbon reduction from decreasing jet fuel consumption and enhancing flying efficiency



Carbon removal by investing in innovative projects and technologies to take carbon out of the atmosphere



Stakeholder engagement to build coalitions that advance carbon reduction and maximize global impact



This builds on our track record:

The only global airline to voluntarily cap emissions at 2012 levels



Annual Corporate Responsibility Report



B Score

BARRON'S

The 100 Most Sustainable Companies in America (2020)

MEMBER OF
Dow Jones Sustainability Indices
In Collaboration with RobecoSAM
10th year

S&P Global
Sustainability Yearbook Member



FTSE4Good
6th year

EXPAND OUR INVESTMENTS TO REDUCE AND REMOVE CO2.

Highlighted work to date:

- **Saved 33MM gallons** of fuel (e.g., flight routing, weight saving) in 2019 alone
- **First U.S. airline to recycle onboard**, recycling 3MM+ lbs of aluminum since 2007
- In 2019, introduced the Airbus A220 and A350 **(25% more efficient)**
- **Accelerated fleet retirements in 2020**
- Committed to purchasing **10M gallons per year of renewable biofuels** from Gevo
- **Invested \$2M** in study with NWABF to **produce fuel from forest floor debris**
- **Close to completing 2020 offset portfolio**, with community enhancing projects
- **Only airline to cap emissions at 2012 levels** by purchasing carbon offsets

Meeting our expanded commitment:

- Expand operations initiatives to **achieve major efficiency gains by 2030**
- Set and track goals across Delta to **reduce waste and single-use plastics**
- Execute fleet strategy to **introduce newer more efficient aircraft**
- Work with suppliers to **guide work in propulsion advancements**
- **Replace 10% of fossil fuel with SAF by 2030**, pursuant to fuel market conditions
- Work across the industry to **rapidly scale the production of SAF globally**
- Invest in credible, community-enhancing projects to **achieve Carbon Neutrality**
- Build a portfolio of projects that **support the development of clean energy**



Operations



Fleet



Sustainable Aviation Fuel



Carbon Sequestration

OUR COMMITMENT TO CARBON NEUTRALITY BUILDS ON A HISTORY OF SUSTAINABILITY PROGRESS FOR THE AIRLINE

Notable initiatives to date

Continuous improvement in fleet and flying operations related fuel burn

Commitment to Carbon Neutral growth from 2012

Selective investments in SAF

Weight and waste reduction across our operation

Investment in Sustainable Aviation Fuels support removal of “lifecycle” emissions

Airbus & AirBP

- Partnership for SAF on delivery flights out of Toulouse
- Carbon-neutral (SAF + offsets) on delivery flights out of Mobile



Biofuel refinery

Sustainable biofuel refinery in Washington State:

- Feedstock: wood residue in forests which can cause forest fires
- SAF available early 2025
- SEA, PDX, SFO, LAX

NWABF SUSTAINABLE AVIATION FUEL PROJECT FROM WOODY BIOMASS SOURCED IN THE PACIFIC NORTHWEST

Project Summary – Great Progress

- Project to develop a 60 million gallon per year commercial scale, woody biomass to Sustainable Aviation Fuel (SAF) facility in the state of Washington
- Delta Air Lines has executed a 10-year SAF offtake agreement for 100% of the Project’s output
- LOI with Black & Veatch to complete front end engineering design (FEED) study followed by contracting for the engineering, procurement and construction (EPC)
- LOI with large-scale timber companies capable of supplying over 300% of Project’s annual feedstock requirements

Project Timeline – The Journey Ahead

- Front End Engineering Design (FEED) study expected to begin in 2021
 - Key step in determining Project feasibility and final funding requirements
- Project Procurement & Construction expected to begin in 2022
 - Permitting and long lead equipment items selection key to meeting production timeline
- Full production expected early 2025 to support Delta’s West Coast operations.

