

Austin, TX Joint Sustainability Commission

May 25th, 2022

Signature
AVIATION

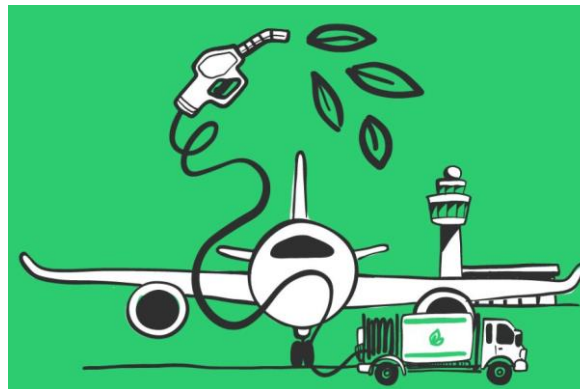


20,000 ft

What is SAF?

SAF is...

- A blend of up to 50% petroleum-based Jet A and Jet A produced from a sustainable feedstock
 - Feedstock examples are fats and greases, tallows, woody bio-mass, Municipal waste
- Most common blend is 65%-70% Petroleum based Jet A, 30%-35% Sustainable Jet A



20,000 ft

What is SAF?

SAF is...

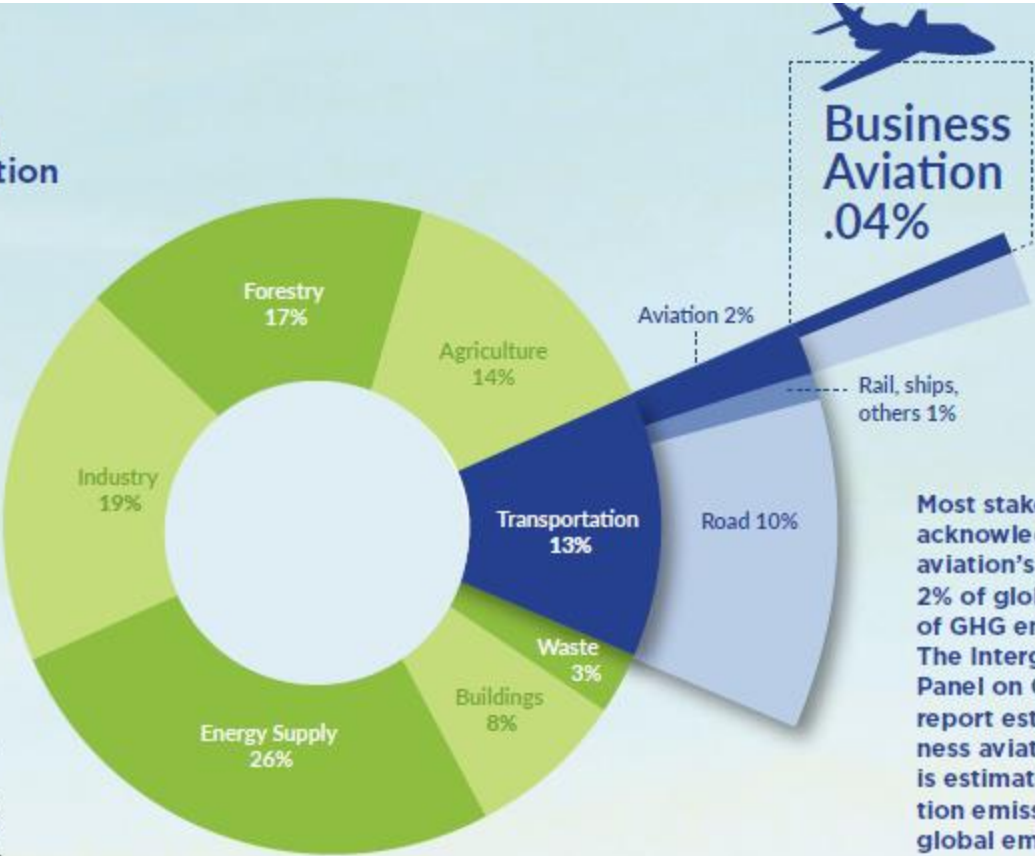
- A product that meets ASTM 1655 standards and is considered able to be dropped into any Jet supply with no changes in QC or negative effects on aircraft performance or systems
- has an overall reduced lifecycle Carbon Intensity (CI) over petroleum-based jet fuel:
 - Lifecycle is a quantification of the CO₂ emissions from beginning of production process to end including all transportation.



CO2 Impact across industries

Figure 1.
Business Aviation
Sector's Contribution
to Global GHG
Emissions

Source: IPCC (2014). *Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel and J.C. Minx (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.



Most stakeholders acknowledge civil aviation's contribution of 2% of global CO₂ and 3% of GHG emissions, as per The Intergovernmental Panel on Climate Change report estimates. The business aviation contribution is estimated at 2% of aviation emissions or 0.04% of global emissions.

How is SAF Made?



SPK: Synthetic paraffinic kerosene



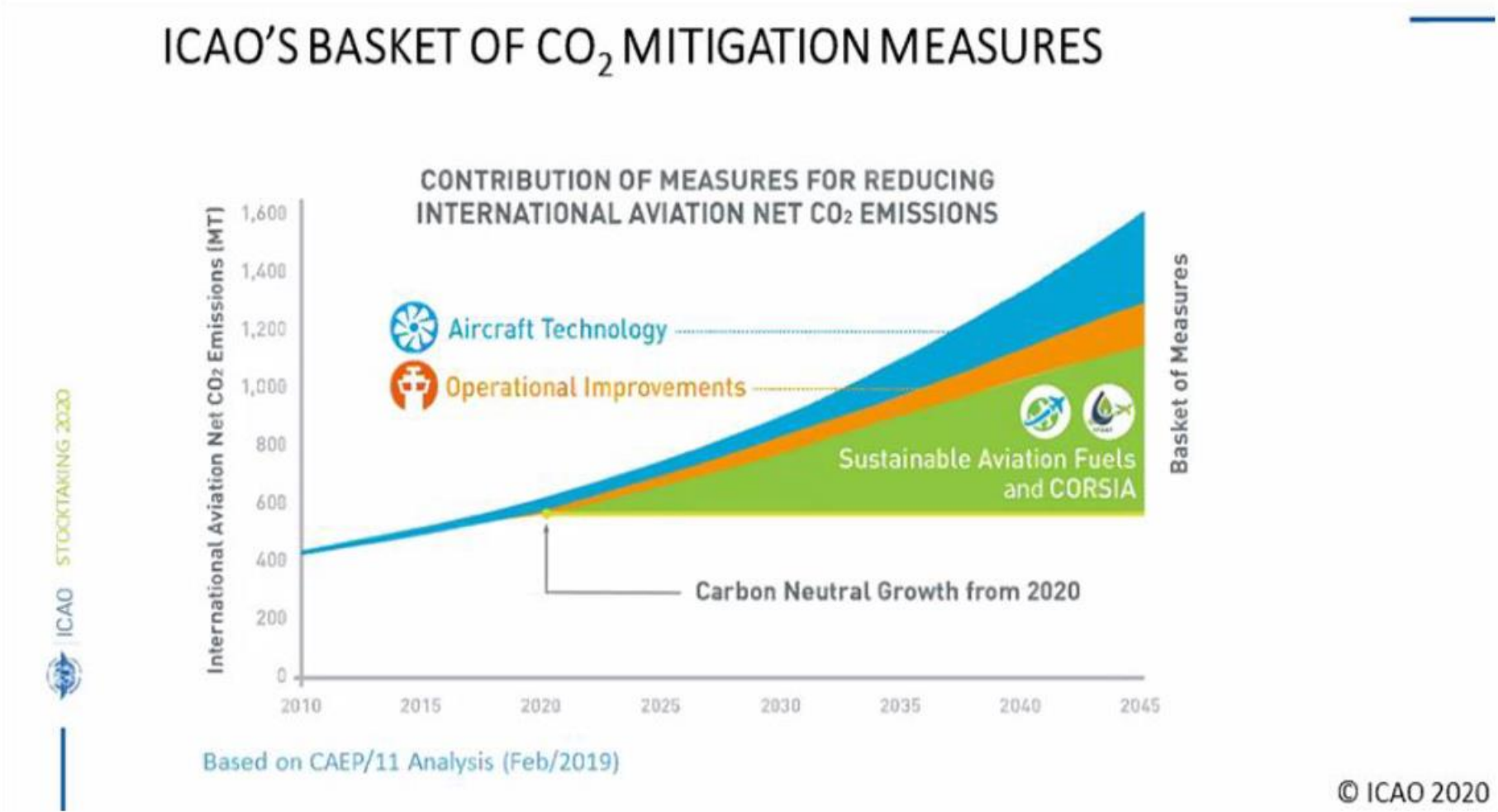
CORSIA: Carbon Offsetting and Reduction Scheme for International Aviation

- Adopted through ICAO Assembly Resolution 39-3
- The first global market based measure scheme for any industry sector

CORSIA is a global market-based measure designed to offset international aviation CO₂ emissions in order to stabilize the levels of such emissions from 2020 onwards (CNG2020). Offsetting of CO₂ emissions will be achieved through the acquisition and cancelation of emissions units from the global carbon market by aeroplane operators.

ICAO'S ASPIRATIONAL GOALS ICAO has agreed on two aspirational goals for the international aviation sector: • 2% annual fuel efficiency improvement through 2050 • Carbon neutral growth from 2020 onwards (CNG 2020) ICAO is also exploring a long-term goal.

How are we going to hit the target



Physical Supply – Overall Plan/Status

- Current bases pumping SAF:
 - Available for retail sales: SFO, LTN, BFI, OAK, AUS, HOU,SJC, VNY, LGB,EGE, EDI,GLA
 - Pumping for wholesale customer: BFM
 - Production, Carrier/driver shortage impacting SAF availability
- As of the end of 2021, Signature has pumped more 6.5M gallons of blended SAF
- Book and Claim locations: available at select locations & at Corporate Account level



SUSTAINABLE AVIATION FUEL



SIGNATURE RENEW OFFERS
A SOLUTION FOR OPERATORS

SUSTAINABLE FLIGHT OPERATIONS

1

Sustainable Aviation Fuels

Purchase low-carbon Jet A fuel at selected Signature FBO locations

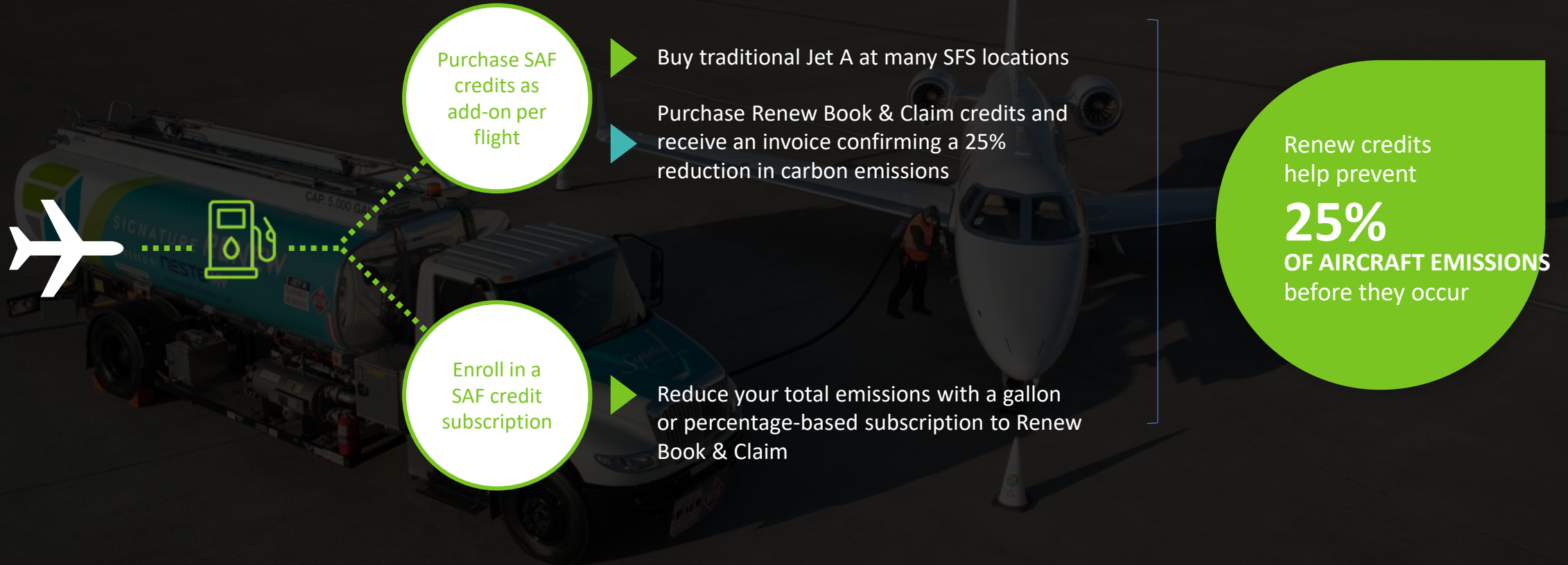
2

Book & Claim

Purchase SAF credits at any Signature FBO, generate reduced carbon globally

BOOK & CLAIM OFFERS AN ALTERNATIVE TO PHYSICAL FUEL

Purchase Book & Claim sustainable aviation fuel credits and confirm your carbon reductions



ADDITIONAL EFFORTS AT SIGNATURE FBOs

Sustainable Facilities

SUSTAINABLE DESIGN AND CONSTRUCTION



30 LEED-certified
facility projects



Solar panel installations at
or in progress
(27 locations)



Electric vehicle charging
stations (14 North
American locations)



eVTOL skyport
infrastructure

Vehicle Fleet Upgrades

NEWER, CLEANER TECHNOLOGIES & FUEL



Largest FBO purchaser of
Lektro electric tow tractors
(175 in service)



Hybrid or full-electric crew
cars



Bio-diesel for fuel
trucks, GPUs, and
other ramp equipment



Tesla Model X for ramp
transportation

GREATER IMPACT WITH INDUSTRY PARTNERSHIPS



AIRBUS

Mobile, Alabama assembly for
new-build A320 series aircraft



BOEING

EPIC Fuels supplies
Boeing 787 delivery flights



NESTE

Supplying 5M gallons of SAF to Signature
FBOs



NETJETS

Committed to purchase up to 3M gallons of
Signature Renew SAF

BUSINESS AVIATION COALITION FOR SUSTAINABLE AVIATION FUELS

Signature is a BAC-SAF Steering Committee member



OUR BUSINESS IS IN THE SKY.

LET'S GO GREEN TO KEEP IT BLUE.



SIGNATURE
RENEW™