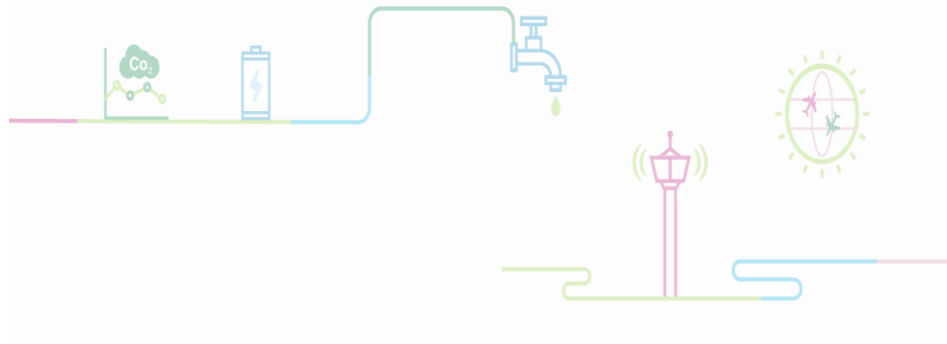




2024 ICAO LTAG STOCKTAKING

7 — 10 OCTOBER 2024



Helen Giles

Managing Director Environmental
Sustainability

Southwest Airlines

Session 8: Implementation support - Part 2:
Challenges and opportunities in achieving the
LTAG





ICAO stocktaking session 8

Southwest Airlines

October 10, 2024

Nonstop to **NET ZERO**

Our path toward net zero carbon emissions by 2050 and a more sustainable future.



Carbon

Addressing our carbon emissions through fuel and operational efficiency initiatives, sustainable aviation fuel (SAF), electrification of ground support equipment, and energy conservation.



Circularity

Working towards improving sustainability in our operations through sourcing, recycling, and upcycling.



Collaboration

Partnering with organizations whose work complements our efforts to achieve our goals and engaging with our suppliers on sustainability.

Learn more at southwest.com/planet

Our net zero by 2050 goal includes Scope 1, Scope 2, and Scope 3 Category 3 emissions only and excludes any emissions associated with non-fuel products and services, such as inflight service items.

Nonstop to NET ZERO

Our path toward net zero carbon emissions by 2050 and a more sustainable future.

2025

Reduce single-use plastics from inflight service by **50%** by weight¹

Save **50 million** incremental gallons of jet fuel²

2030

Reduce emissions intensity by **25%**³

Replace **10%** of total jet fuel consumption with SAF

Eliminate single-use plastics from inflight service where feasible¹

Electrify **50%** of eligible ground support equipment⁴

2035

Reduce emissions intensity by **50%**³

Save **1.1 billion** cumulative gallons of jet fuel²

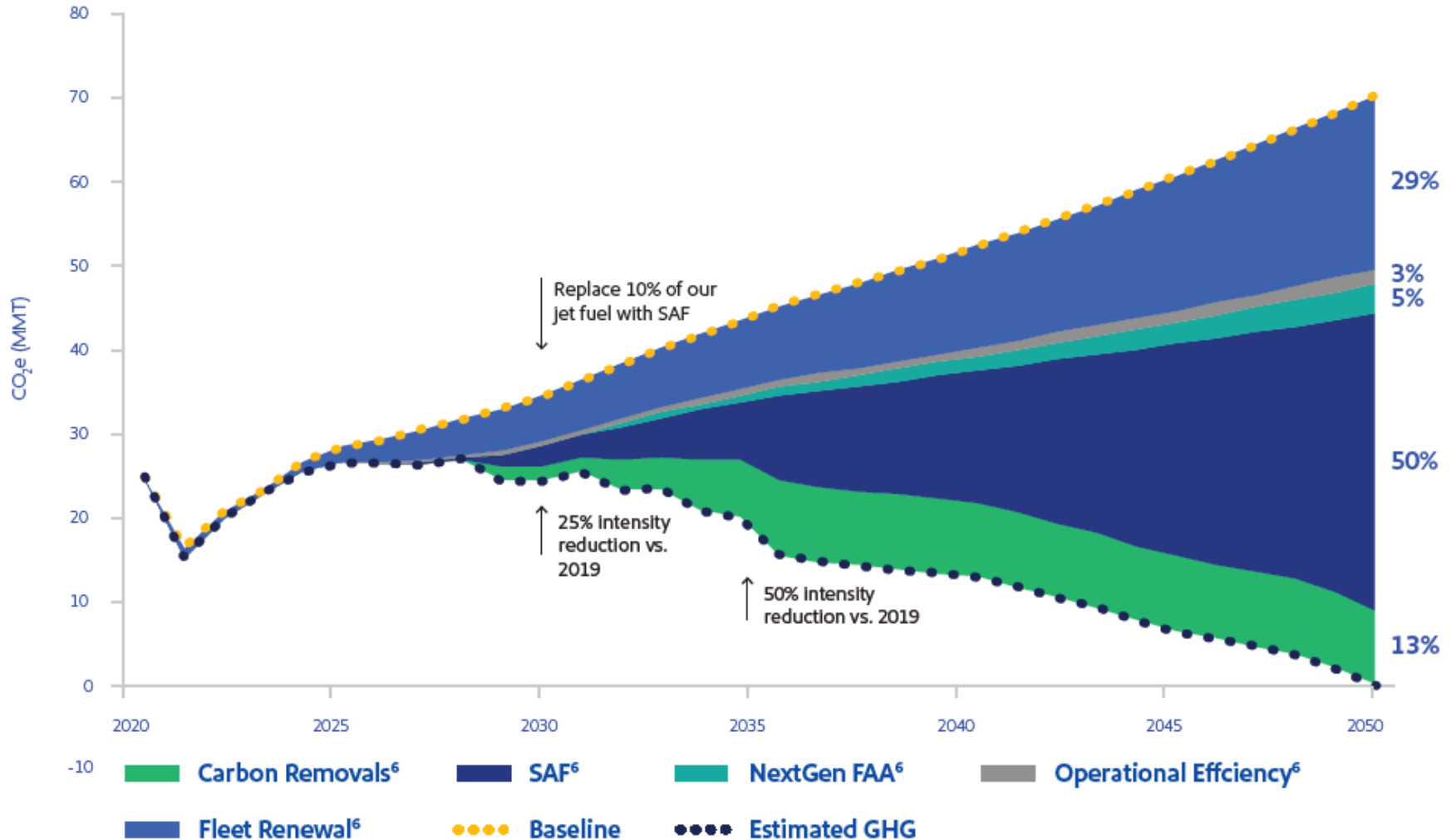
Reduce energy utilization index (EUI) in our Dallas headquarters by **50%**⁵

2050

Net zero carbon emissions

¹Weight compared to a 2022 baseline and includes plastics for inflight service. Elimination goal is dependent on the availability of operationally and commercially feasible alternatives. ²Incremental is fuel saved in a year through fuel savings initiatives. Our 2025 goal is compared to a 2019 baseline, and our 2035 cumulative goal is the sum of incremental gallons saved from 2019 to 2035. ³Compared against a 2019 baseline on a revenue ton kilometer basis (including Scope 1, Scope 2, and Scope 3 Category 3 emissions (upstream emissions of jet fuel)) and includes the use of SAF and excludes the use of carbon offsets. ⁴Includes baggage-tugs, belt-loaders, and pushbacks. ⁵Reduce energy utilization index in our Dallas headquarters by 50% relative to a 2022 baseline. Learn more at southwest.com/planet

Path to Net Zero¹



1. Our carbon emissions intensity reduction goals are compared against a 2019 baseline on a revenue ton kilometer (RTK) basis [including Scope 1, Scope 2, and Scope 3 Category 3 emissions (upstream emissions of jet fuel)] and includes the use of SAF and excludes the use of carbon osets. Our net zero by 2050 goal includes Scope 1, Scope 2, and Scope 3 Category 3 emissions only and excludes any emissions associated with non-fuel products and services, such as inflight service items.

6. Detailed risk factors, including those specific to extreme weather events and climate change, are discussed under the heading "Risk Factors" in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2023.

Southwest's SAF policy

Our SAF Policy

We have developed a robust SAF policy to help guide our SAF efforts, and this policy will evolve over time in this dynamic and developing industry.



1. Economics

We believe in democratizing the skies through friendly, reliable, and low-cost air travel. To continue to enable this as we seek to procure SAF, SAF must be affordable compared to conventional jet fuel, but today, SAF is significantly more expensive than conventional jet fuel. When we evaluate opportunities, the parity of SAF to Jet A is an important driver.



2. Lifecycle GHG Reduction

We require SAF to meet a minimum 60% GHG intensity reduction on a lifecycle basis compared to conventional jet fuel.



3. Sustainability Certification

We require SAF to be certified by an industry-accepted sustainability certification scheme (SCS), such as the International Sustainability and Carbon Certification (ISCC) and The Roundtable on Sustainable Biomaterials (RSB).



4. Exclusions

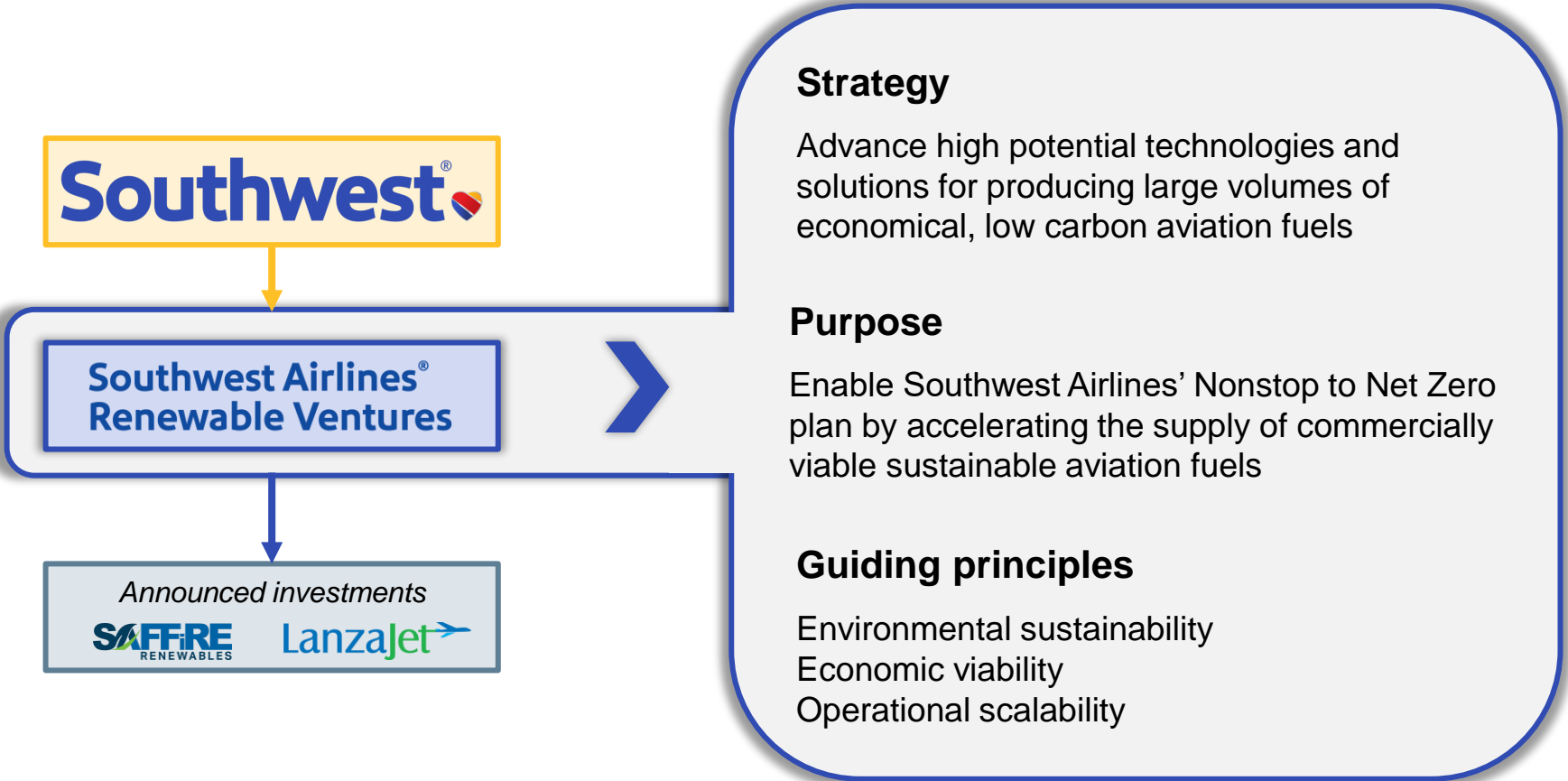
We will not procure SAF that contains palm oil and its derivatives or by-products, such as palm fatty acid distillates. SAF must not contribute to deforestation or forest degradation in its production.



5. Feedstocks

We encourage the development of sustainable agriculture for crop-based feedstocks, prioritize waste and residue and energy or cover crop feedstocks, and engage in R&D with prospective producers and partners focused on PtL.

Southwest Airlines Renewable Ventures (SARV)



Southwest's announced SAF relationships

Producer	Type	Duration	Total volume Neat gallons	Feedstock	Pathway
Neste	Offtake	<i>Not disclosed publicly</i>		Tallow	Hydro-processed esthers and fatty acids (HEFA)
Velocys	Offtake	15 years	219 million	Waste woody biomass	Fischer Tropsch (FT)
USA BioEnergy	Offtake	20 years	680 million	Waste woody biomass	FT
LanzaJet	Investment	\$30 million investment		Mixed 1G and 2G	Alcohol-to-jet (ATJ)
SAFFiRE Renewables	Investment	<i>Not disclosed publicly</i>		Corn stover (2G)	ATJ
Phillips 66	MOU			Mixed fats, oils, and greases (FOGs)	HEFA
Marathon	MOU			Mixed FOGs	HEFA