

March 2, 2022 Adam Klauber, World Energy

Catalyzing a Voluntary Market to Scale Sustainable Aviation Fuel (SAF) SpeedNews Commercial Aviation Suppliers Conference

Voluntary Greenhouse Gas Frameworks have provided key tools



NGO Leaders

WORLD RESOURCES INSTITUTE 😻 wbcsd

Role

Greenhouse Gas Accounting Framework

NGO Leaders

SCIENCE BASED TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION







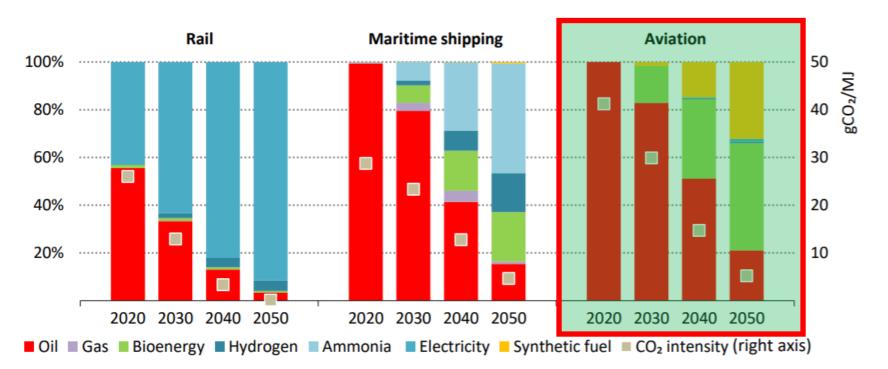


Role

Framework for firms to demonstrate alignment with keeping Global warming below 1.5C world energy

IEA Net-Zero for 2050 still requires 20% fossil-based jet fuel



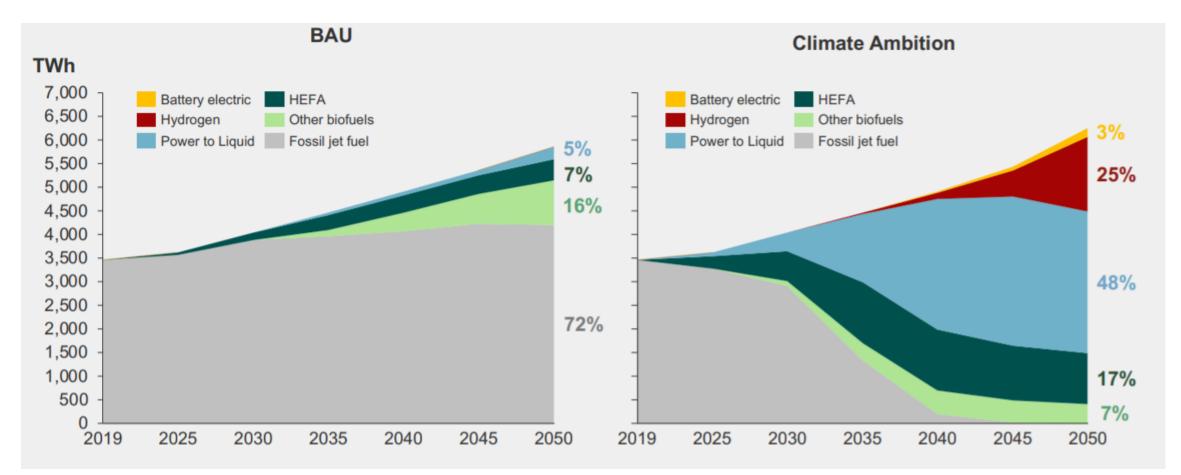


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2030: SAF biobased 16%; SAF synthetic 2% 2050: SAF biobased 45%; SAF synthetic 33%



Mission Possible Partnership forecasts a more ambitious pathway



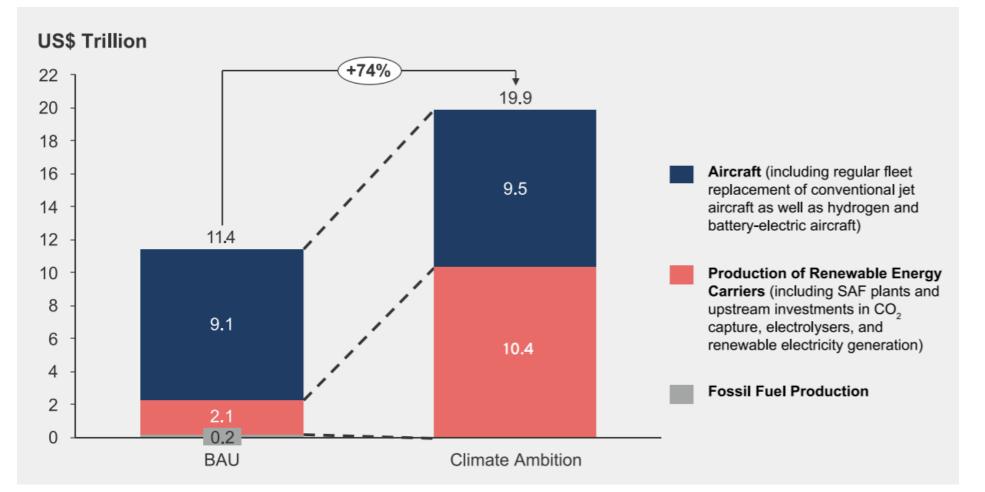
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2030: SAF biobased 19%; SAF synthetic 6% 2050: SAF biobased 24%; SAF synthetic 48%

4

Credit: Mission Possible Partnership

The total cost to reach Net-zero is at least \$8.5 Trillion



- \$300 Billion USD annually
- Compared with 2019 total passenger (\$607B) and cargo (\$100B) revenue \$707 Billion*



Credit: Mission Possible Partnership

CUSTOMERS CAN HELP PAY FOR SAF's GREEN PREMIUM

of conventional cost

%

SCS Certification Remaining SAF Delivery & Blending Price **Premium SAF Production Premium** SAF Refining SAF can cost more than twice as much as SAF Feedstock Prefossil jet fuel. Processing Government support (subsidies and other incentives) **SAF Feedstock Price** Delivery to Airport Airlines pay for energy value at fossil jet equivalent SAF Total Cost SAF Certificate **Conventional Cost** Solution



Image Credit: Sustainable Aviation Buyer's Alliance (SABA)

SAF Book & Claim can avoid double counting and double claims

Get to Net Zero by 2050	Airlines	Net –Zero Value – Airlines can claim "Net-zero" benefits independently from regulatory "obligated parties." If a transaction includes making uplift of new SAF it can add to the airline's climate ambitions for SBTi
Image: A state of the stat	Aviation End-Customers	Scope 3 Recognition – SBTi has recognized SAF as a solution in its 2021 aviation guidance and that includes the business passengers and customers for air freight. Scope 3 is also independent of regulatory requirements.
Suppose	SAF Producers	Stacking Voluntary Contributions with Policy Support – the SAF price represents a significant barrier to scaling the industry. If the voluntary contributions can be combined with government programs combined, they can cover the full premium.





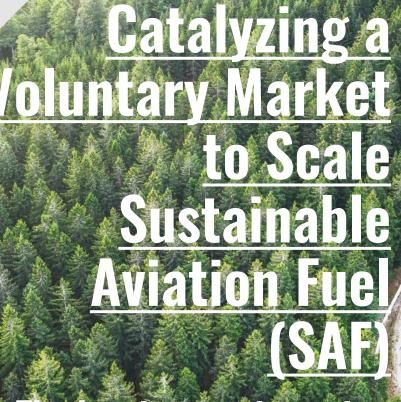
The leading provider of low-carbon fuel solutions for transport

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The key is covering price premium