

SABA

SUSTAINABLE AVIATION BUYERS ALLIANCE

Pathways to Sustainable Flight and SABA's 2025 SAF Procurements

May 20, 2025

A joint initiative of



With secretariat and expert support from





Agenda

- 1 **Introductions**
- 2 **Who is SABA**
- 3 **How we do it**
 - A **Book and Claim 101**
 - B **Sustainability Framework**
 - C **Registry**
 - D **Accounting**
 - E **Procurement**
- 4 **How to get involved**
- 5 **Q&A**

Today's Speakers



Kim Carnahan

CEO, Center for Green
Market Activation



Andrew Chen

Principal, RMI



Elizabeth Sturcken


Vice President, Net Zero
Ambition and Action,
Environmental Defense Fund

2.5%

of global energy-related
CO2 emissions from
aviation in 2023¹

3X

Aviation emissions could
increase 2.4 to 3.8 times
the 2015 value by 2050 in
alignment with fuel
consumption projections ²



Sustainable Aviation Fuel (SAF)
is the **best near-term option** to
reduce **CO2 emissions** from
aviation

Getting customers involved is a key step in unlocking Sustainable Aviation Fuels



While SAF is the best near-term option to reduce CO2 emissions from aviation, it constitutes less than 0.5% of total jet fuel supply today – largely because of the cost differential between fossil-jet and SAF



Major airlines compete on slim margins. Significantly scaling their use of SAF will likely remain dependent on government policy support and finding customers willing to pay the premium



Pioneering corporate customers signed bilateral deals to support airlines' SAF purchases and achieve their own ambitious climate goals. Those early deals sparked interest in creating a more transparent, standardized approach to open access to aviation emission reductions through environmental attribute certificates (EACs).



THE SUSTAINABLE AVIATION BUYERS ALLIANCE is a joint non-profit initiative formed by the environmental NGOs EDF and RMI, with expert support from GMA. It operates as a membership-based organization.

The Sustainable Aviation Buyers Alliance (SABA) is a non-profit initiative committed to **accelerating the path to net zero air transport** by driving investment in high quality SAF, catalyzing new SAF production and technological innovation, and supporting member engagement in SAF policymaking.

SABA

SABA Members: A community of leaders in climate action



SABA's mission is to accelerate the path to net zero aviation by pursuing 3 key objectives



Expand SAF Investment Opportunity

- Establish a credible, transparent SAF certificate system
- Aggregate member demand and run collective procurement
- Develop a SAF Sustainability Framework to guide members to high quality SAF



Provide Education & Policy Support

- Educate members and the broader public about SAF
- Support members as they navigate the SAF market
- Help members understand and advocate for appropriate SAF policy



Accelerate Technology Innovation

- Assess emerging SAF technologies
- Work with like-minded organizations to help address barriers to scale and cost reduction
- Catalyze new technology demonstration



SABA is creating a credible, transparent and standardized system for aviation customers to support SAF



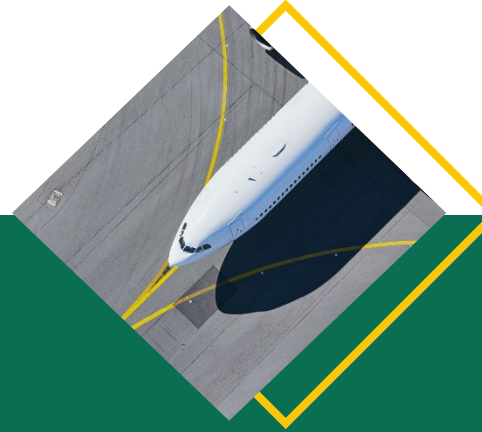
SAF CERTIFICATE REGISTRY

Allows customers to support SAF through purchasing environmental attribute certificates, which are transparently tracked in a public-facing registry.



SUSTAINABILITY FRAMEWORK

Ensures customers' support truly sustainable SAF and prevents unintended environmental consequences.



ACCOUNTING GUIDANCE

Provides guidance on how to measure and report aviation emissions involving SAF and SAF certificates.



COLLECTIVE PROCUREMENT

Competitive, collective procurement standardizes and simplifies the procurement process for aviation customers.

SABA's success has inspired other buyer alliances and driven hundreds of millions toward critical climate technologies

Emerging initiatives in concrete, chemicals and steel are also building off this success

AVIATION



SABA
SUSTAINABLE AVIATION BUYERS ALLIANCE

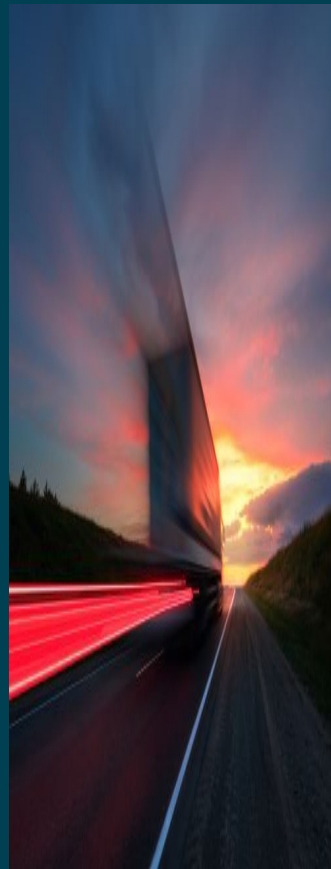
\$400M

Demand aggregated for SAFc

40+
members

2 procurement streams underway in 2025, including SAFc Connect and a next-gen fuels RFP

HEAVY DUTY TRUCKING



GMA
TRUCKING

Up to **450**
EV trucks supported by pilot procurement

10+
founding members

Mid-2025 bid review and winner selection

MARITIME



ZEMBA
ZERO EMISSION MARITIME BUYERS ALLIANCE

80,000+
tonnes of CO₂ avoided

40+
members

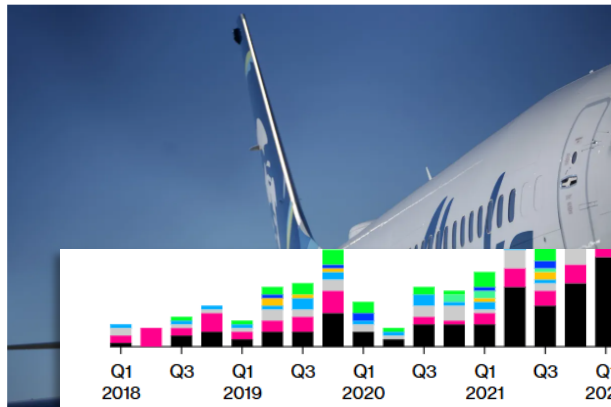
E-fuel
focused tender accepting bids, due spring 2025

SABA in the news – coverage of our multi-year procurement and buyers alliance model

Green
Cleaner Tech

BlackRock, Block Fund Major Sustainable Aviation Fuel Deal

The companies along with Samsara and Ripple are participating in a deal that will provide clean jet fuel to Alaska Airlines.



Source: BloombergNEF

It's difficult for companies to reduce flying-related emissions, because "they're not going to tell employees to stop traveling to customers or clients," said Claire Kiely, head of marketplace carbon supply for sustainability platform Watershed, which facilitated the purchase. Instead, by participating in procurement programs like the Sustainable Aviation Buyers Alliance (SABA), companies can influence airlines and fuel producers to make the change.

Global brands join buyers' alliances in bid to drive investment into much-needed sustainable fuels

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Article • Sustainability

Why JPMorgan, Deloitte, Meta & More Support Record SAF Deal

By Steven Downes
 April 18, 2024 • 6 mins

The biggest ever set of SAF deals has been signed

Latest Digital Magazine

See How Your Sustainability Reporting Ranks Against Mid-Market Peers

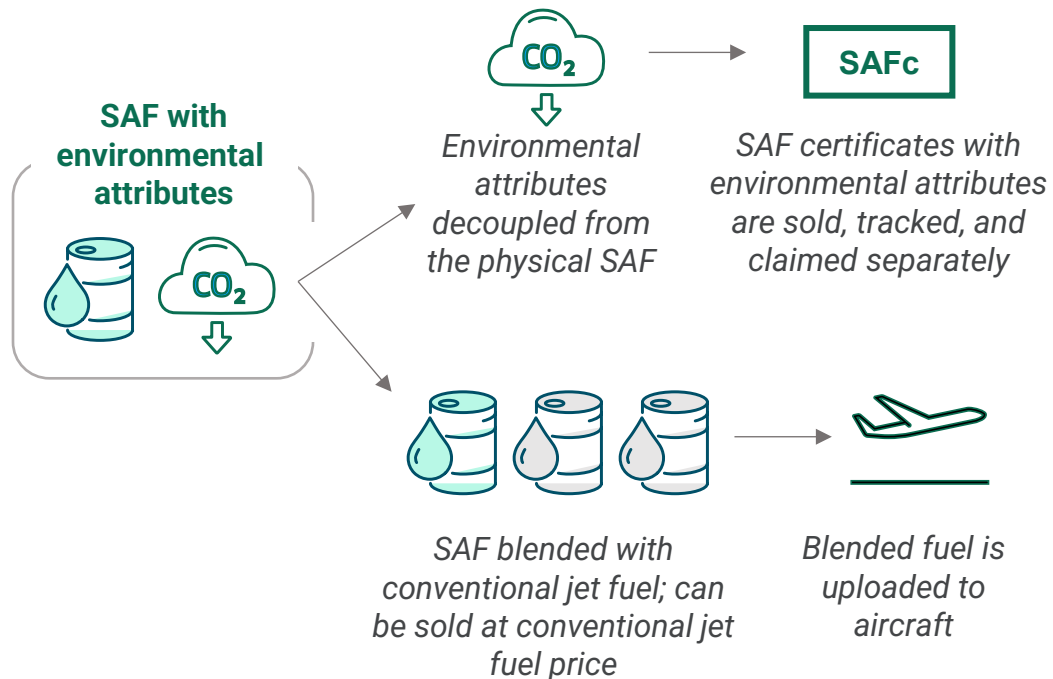


How We Work

Similar to RECs, SAF certificates are built off the book-and-claim model and are key to scaling the nascent SAF market

Book-and-Claim

Environmental attributes, including **CO₂ emissions reductions, are decoupled** from the physical service or product and **sold, tracked and claimed separately**, allowing any aviation customer to support SAF.



Electricity - RECs and GOOs

- **Renewable Energy Certificates (RECs)** are the most widely-used book-and-claim instrument today
- RECs enable companies that can not access renewable energy directly to help drive its uptake -- even when renewable electrons can not be delivered to them

Aviation - SAF Certificates

- Just like RECs in the early renewable energy market, **SAF certificates (SAFc) can scale the nascent SAF market**
- SAFc represent the unbundled environmental attributes, including the GHG emission reductions, associated with one metric ton of neat SAF
- **Aviation customers** who travel or ship air freight on flights using conventional jet fuel can still support **aviation decarbonization** with SAFc and claim the corresponding emission reductions

SBTi Corporate Net-Zero V2 Draft

The March draft publication is a positive signal for book-and-claim and SAF certificates



Key SBTi draft updates



DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

**Corporate Net-Zero Standard
Version 2.0 Public Consultation**

- **SBTi intends for “indirect mitigation”** relevant to a company’s value chain and achieved through energy or commodity certificates (e.g., SAFc) **to count towards a company’s targets under SBTi**
- Indirect procurement of **sustainable aviation fuel gets a specific call out** on page 9 of the draft
- SBTi also lays out **a few ground rules** for using indirect mitigation towards a target, some of which **require further development**



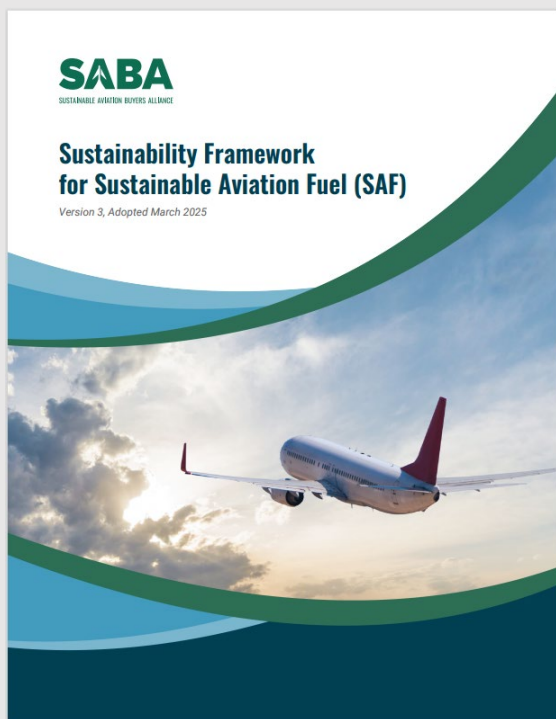
SBTi draft refinement process

1. SBTi is running a public consultation process, with input via survey due June 1.
2. **Established Expert Working Groups** on Scope 2, Scope 3, Removals, Ongoing emissions and BVCM, and Data quality, assurance, and claims. The SABA team is represented in the Scope 3 working group, which is where the bulk of discussion on indirect mitigation will take place.
3. **SBTi is aiming to revise and publish the final standard in early 2026.**







SABA Sustainability Framework

The Framework specifies the requirements for high-integrity SAF

V3 of the Framework was adopted in March 2025



Criteria addressed in the Framework

-  Certifications
-  Atmospheric benefit
-  Life cycle assessment (LCA) approach
-  Emissions reduction threshold
-  Preventing double counting
-  Feedstock restrictions

Version 3 Updates

- Addition of the SABA Eligible Registries List
- Provides three ways for SABA Advanced fuels to demonstrate low indirect land use (iLUC) and displacement risk
 - Eligible feedstock
 - Add-on certifications
 - eFuel certifications

SAFc Registry



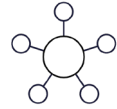

We launched the  in 2024 with support of Energy Web

The SAFc registry ensures:

- 1** **Consistency** by creating a standardized process for registering, trading and retiring SAF certificates
- 2** **Sustainability** by providing detailed data on sustainability attributes of each batch of fuel (e.g., emissions abatement, feedstock, certifications)
- 3** **No double counting**, or that valid claims are only made once for every ton of SAF
- 4** **Transparency** by providing a transparent ledger to support climate disclosure of SAF claims by air transport providers, customers, and freight forwarders
- 5** **Independent nonprofit ownership and multilateral governance** to ensure that changes are proactively made to the system with user buy-in and in tandem with best practices

The SAFc Registry

The SAFc Registry provides the link between SAFc procurement and disclosure

		<i>Outside of registry</i>		<i>Inside registry</i>			<i>Outside of registry</i>
		Purchase contracts signed	Certified fuel produced	Issuance	Transfer	Retirement	Climate disclosure
Fuel providers		●	●	●	●		●
Air transport providers		●			●	●	●
Logistics service providers		●			●	●	●
Customers of air transport services		●			●	●	●

SAFc Emissions Accounting & Reporting – Where we started

The SAFc Emissions Accounting and Reporting Guidelines V1 was published in 2022



Contributors

Released through **Clean Skies for Tomorrow coalition (World Economic Forum)**, with **RMI** and **PwC Netherlands** serving as lead authors.



Working Group

Substantial contributions from **SABA, SkyNRG, and other working group members**, including:

Value Chain Position	Organizations
NGOs and similar (3)	RSB, EDF, Engie Impact (then-SABA secretariat)
Corporate Buyers (10)	Amazon, Meta, Microsoft, UPS, DHL, Amex GBT, Bain & Company, Deloitte, BCG, Novo Nordisk
Airlines/ Transport Provider/OEM (4)	JetBlue Airlines, Alaska Airlines, Boom Supersonic, AirBP
SAF Producers (3)	SkyNRG, Neste, World Energy



SAFc Emissions Accounting & Reporting – V2 Revision

The V2 revision is in progress and planned to be published by the end of 2025



[SAFc Emissions Accounting and Reporting Guidelines V1](#)



Core values that the V2 guidelines will continue to deliver

Clear, practical and transparent recommendations

- Based on **practitioner experience** and evolving with **ecosystem development**
- **Bridging gaps** in the absence of finalized GHGp and SBTi guidance

Comprehensive value chain coverage and alignment

- Building on existing **personas** (SAF supplier, airlines, corporate traveler, private aircraft, freight) and will expand to new ones as needed
- Actively **engaging stakeholders across the value chain** to drive alignment and best practices
- **Participating in the GHGp and SBTi working groups** to help seed and support broader alignment across frameworks.

Detailed, actionable sample calculations

- Designed to **support value chain alignment and consistent adoption**, credible reporting, and adaptability to future updates



SABA Collective SAFc Procurement

Collective procurement is intended to serve our members and the broader SAF market



Drastically simplify the process of buying SAF certificates for our members, including by vetting the fuel for quality

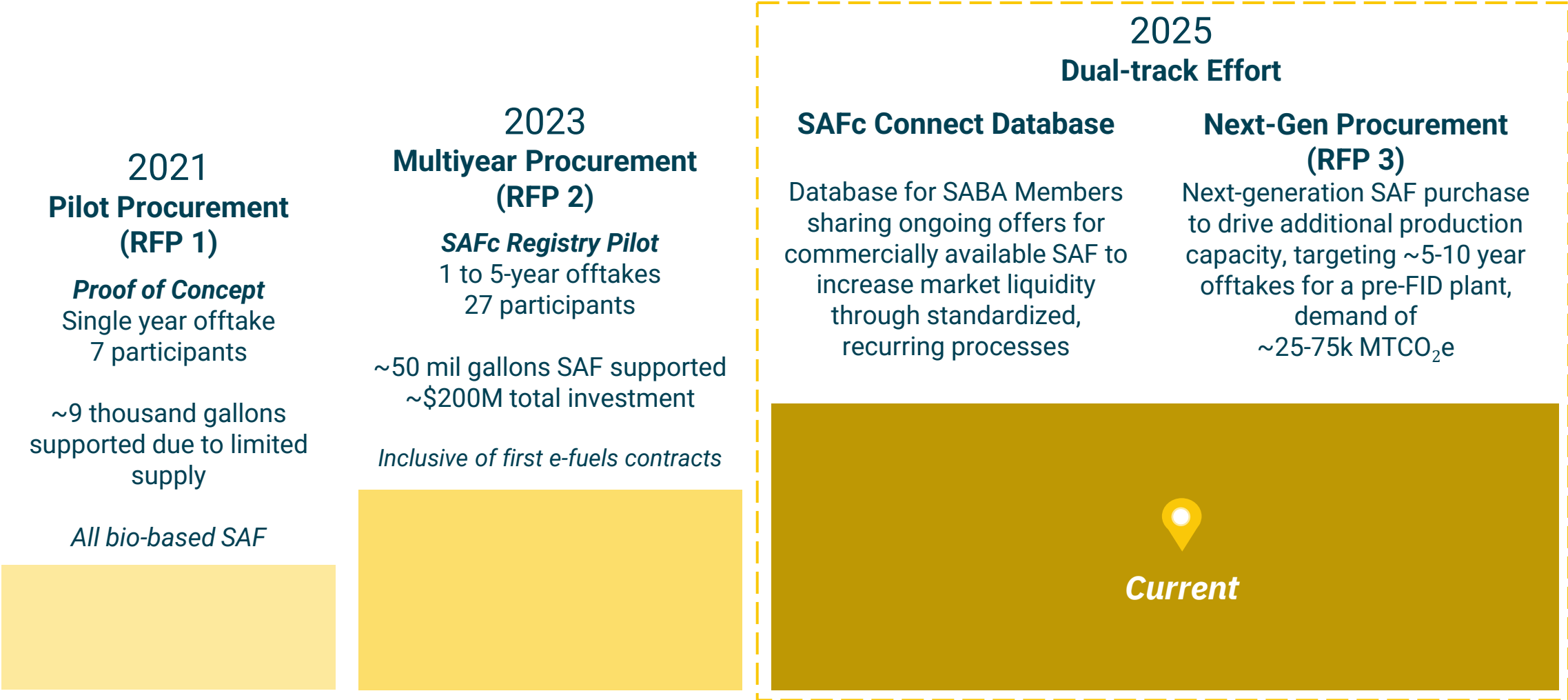


Uncover the gaps in market functionality and transparency and work to address them together with our partners



Demonstrate growing demand signal for high quality fuel in order to help grow the market and eventually lower prices

SABA is developing two new procurement opportunities in 2025, building off the first RFPs that channeled over \$200 million into the SAF market



SAFc Connect lets SABA Members can access a transparent summary of the SABA-eligible SAFc available on the market

SAFc Connect, which was launched to SABA members on May 15th, will increase transparency, flexibility, and purchasing opportunities for the SAFc market

Key information¹ in SAFc Connect

- Pricing (\$/mtCO₂e)
- SAFc quantity (mtCO₂e)
- Delivery schedule
- Fuel Producer
- Feedstocks and conversion process
- Region of production and uplift

SABA will validate all Offer information and check for SABA eligibility

Select columns to display ▾

Demonstration view

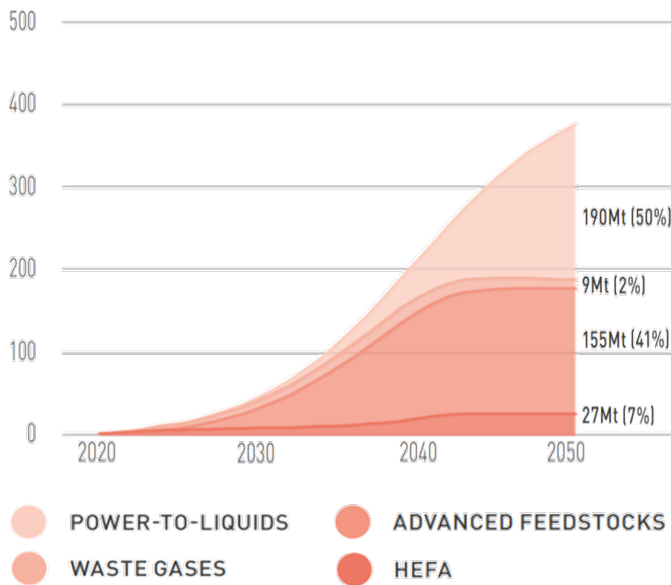
General Information			Sustainability Qualities				
Provider Name ▲	Provider Category ▲	SAF Producer ▲	Conversion Process ▲	Feedstock ▲	Maximu... ▲	Expected C... ▲	Sustainability Ce... ▲
<input type="text" value="Search"/>	<input type="text" value="All Values"/>	<input type="text" value="Search"/>	<input type="text" value="All Values"/>	<input type="text" value="All Values"/>	<input type="text" value=">="/> <input type="text"/>	<input type="text" value="Filter"/>	<input type="text" value="Search"/>
GMA Fuel Provider	Fuel Provider	GMA Producer	HEFA	UCO	19	14.3	ISCC Plus
SABA Fuels	Fuel Provider	SABA Fuels	HEFA	UCO	22.5	14.5	RSB CORSIA
GMA Fuel Provider	Fuel Provider	GMA Producer	HEFA	UCO	22.5	14.5	RSB CORSIA
SABA Fuels	Fuel Provider	SABA Fuels	HEFA	Tallow	22.5	19	ISCC Plus
GMA Fuel Provider	Fuel Provider	GMA Producer	HEFA	Tallow	22.5	19	ISCC Corsia
SABA Fuels	Fuel Provider	SABA Fuels	HEFA	UCO, DCO, Tallow	22.5	22.5	ISCC Corsia

Overview of Next-gen Procurement

The next-gen procurement resembles SABA's 2023 multi-year RFP while targeting key fuel criteria

SAF Supply in Net Zero Scenario, '20-'50

The types of SAF needed to meet 2050 decarbonization goals are only in their infancy today



Next-generation SAF procurement requirements

- E-fuels or advanced biofuels with low indirect land use (iLUC) and displacement risk
- Targeting >85% carbon intensity reduction
- Facilities in the pre-Final Investment Decision (FID) stage
- Start up date by 2030

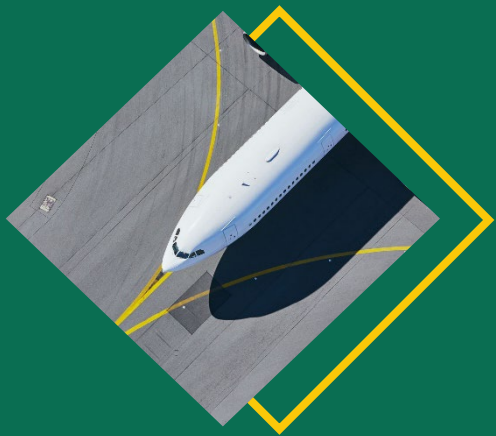
Procurement benefits for suppliers and buyers

Buyer Benefits:

- Supply secured for next-gen SAF for 5-10 years to meet 2030 commitments
- Provides long-term price certainty

Supplier Benefits

- Binding 5-10 year offtakes
- Offtake sufficient to meaningfully support the FID of a next-gen SAF facility



How to Get Involved

SABA drives value for members through four main pathways

EDUCATION RESOURCES

Make informed decisions with access to SAF **education materials, policy updates, and market insights** shared in monthly member meetings and other fora; leverage the **SABA team's expertise for your SAF inquiries**

MARKET INFLUENCE

Play a pivotal role in **shaping SABA's sustainability framework, accounting guidance, and SAFc registry updates**; have your voice heard by **leading standard-setting organizations** like GHG Protocol and SBTi



PROCUREMENT ACCESS

Secure market-competitive scope 3 attributes by joining SABA's aggregated procurements to benefit from rigorous **vetting that ensures high-integrity SAF**, access to **preferential deal terms**, and comprehensive **contracting support**

LEADERSHIP RECOGNITION

Position your company's ambitions and actions at the forefront of aviation decarbonization by being featured on the **SABA website, in press releases, and social media**; connect with fellow members and influential stakeholders at **virtual and in person SABA member events**



**If you are interested in
becoming a SABA member,
email info@flysaba.org
or reach out
on flysaba.org**

SABA

Q&A

Thank you

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