



UAE Government

Ministry of Energy & Infrastructure

UAE's Sustainable Aviation Fuel General Policy

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First: Introduction

The United Arab Emirates (UAE) is steadfast in its dedication to addressing climate change challenges through strategic initiatives, notably the Net Zero 2050 initiative. Emphasizing the expansion of environmentally friendly energy usage, the UAE is actively implementing innovative projects within its aviation sector, with a specific focus on renewable energy to support future objectives. Aligned with the objectives set by the International Civil Aviation Organization (ICAO), the UAE is diligently working towards curbing carbon emissions stemming from aviation operations within the State. Central to these efforts are the Sustainable Aviation Fuel (SAF) Participation Plan and the National Sustainable Aviation Fuel Roadmap, pivotal frameworks aimed at realizing sustainable aviation fuel objectives. By blending conventional aviation fuel with SAF, the UAE anticipates a significant reduction in emissions from the aviation sector, positioning sustainable aviation fuel as a crucial component of the fuel mix for the medium and long term.

Second: Definitions

For the purposes of this Policy, the following words shall have the meanings ascribed thereto, unless the context otherwise indicates:

- **State:** The United Arab Emirates.
- **Ministry:** The Ministry of Energy & Infrastructure.

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- **Laws:** The laws, regulations, decisions, and policies regulating procedures and tasks of the Ministry's work.
- **Policy:** UAE's Sustainable Aviation Fuel General Policy.
- **Aviation Fuel:** Fuel manufactured for direct use by aircraft.
- **Sustainable Aviation Fuel (SAF):** The International Civil Aviation Organization (ICAO) defines Sustainable Aviation Fuel (SAF) as a type of renewable or sustainable-derived aviation fuel, including biomass, agricultural residues, waste and municipal waste, and synthetic processes utilizing renewable energy.
- **Conventional Aviation Fuel:** Fuel produced from non-renewable fossil sources for hydrocarbon fuel, and used in aviation.

Third: Policy Objectives

The UAE's Sustainable Aviation Fuel General Policy Key Objectives:

- 1– To enhance sustainable aviation fuel production capacity to 700 million liters annually by 2030, alongside scaling up production rates to meet the growing demands of the aviation sector.
- 2– To foster research, development, and practical application of sustainable aviation fuel technologies by 2025, while promoting investments in local and international sustainable aviation fuel production and export.
- 3– To establish a robust national regulatory framework conducive to sustainable aviation fuel facilities, aligning with both local and international sustainability targets.
- 4– To cultivate local capabilities, thus bolstering In-Country Value and fostering economic growth.

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- 5- To spearhead international collaboration through ICAO, supporting renewable fuel and energy initiatives globally.

The United Arab Emirates assumes a leadership role in executing these objectives, contributing significantly to carbon emissions reduction in the aviation sector, stimulating local economic growth, and safeguarding the environment.

Fourth: National Sustainable Aviation Fuel Roadmap

The National Sustainable Aviation Fuel Roadmap of UAE is geared towards several ambitious objectives: attaining climate neutrality, enhancing fuel efficiency, and positioning the nation as a regional center for sustainable aviation fuel. This strategic roadmap prioritizes carbon reduction, fosters international collaboration, champions innovation and technology, and drives the global shift towards low-carbon fuels. Collaborating closely with all stakeholders, UAE is steadfast in its pursuit of these targets. These endeavors align closely with the UAE's overarching commitment to achieving climate neutrality by 2050, underlining its dedication to advancing climate change solutions in partnership with the private sector and the global community.

Fifth: Supporting the Production and Use of Sustainable Aviation Fuel

Supporting Production and Use within the United Arab Emirates

When an approved sustainable aviation fuel producer is ready to commence production in the UAE, and with UAE airlines prepared to utilize sustainable aviation fuel at local airports, collaborative efforts between the airport, the designated fuel supplier, and the sustainable aviation fuel producer should be initiated to facilitate scaling up operations. These efforts should include:

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- The target airport ensures the construction of appropriate facilities and infrastructure in a timely manner to receive, store, and distribute/load sustainable aviation fuel.
- Facilitate the delivery of sustainable aviation fuel to airport fuel storage areas.
- Sustainable aviation fuel producers and carriers manage the blending process of sustainable fuel and conventional fuel according to the proportions approved in the UAE's Sustainable Aviation Fuel General Policy.
- Fuel suppliers provide a complete set of sustainability documentation to aircraft operators who purchase sustainable aviation fuel.

Supporting Production within the UAE and Use Outside

When an approved sustainable aviation fuel producer is ready and able to produce sustainable aviation fuel in the UAE, and the buyer is prepared to receive sustainable aviation fuel at an export terminal/port in the UAE, collaborative efforts between the target export terminal/port, the fuel supplier, and the sustainable aviation fuel producer should be coordinated to support the export of the fuel. This collaboration entails:

- The target export terminal/port ensures the construction of appropriate facilities and infrastructure in a timely manner to receive, store, and load sustainable aviation fuel.
- Fuel suppliers facilitate the delivery of sustainable aviation fuel from the delivery point to the export terminal/port, blend it (if necessary), and certify the sustainable aviation fuel or its blend. The technical and sustainability certification (approved by ICAO) and the licensing

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certification approved by the licensed licensing authority must comply with the required international standards.

Sixth: Incentives

These incentives are optional and indicative for all parties:

- Fee exemptions
- Reduced government fees
- Reduced financial costs
- Reduced insurances
- Reduced customs duties

Seventh: Supply and Use of Sustainable Aviation Fuel

Given the escalating carbon dioxide emissions linked to fuel exports within the aviation sector, the UAE Government agencies, alongside local and international stakeholders, are committed to establishing systems aimed at facilitating the adoption of sustainable aviation fuel in the UAE for aircraft operators. This initiative is geared towards curtailing carbon emissions by promoting the availability and utilization of sustainable aviation fuel.

Eighth: Monitoring Sustainable Aviation Fuel

The Ministry of Energy & Infrastructure, with each Emirate's federal and local entities, monitors sustainable and exported aviation fuel supply data and notifies relevant local and international authorities, as needed.

Ninth: Voluntary Sustainable Aviation Fuel Target

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The Ministry of Energy & Infrastructure collaborates with federal and local authorities across all emirates to evaluate and enact sustainable aviation fuel supply objectives for domestic aircraft operators and fuel suppliers within the civil aviation sector for international flights. This includes the assessment of progressively escalating targets for sustainable aviation fuel provision, considering objectives within the air transport market, the imperative to diminish carbon emissions, and the prevailing status of the sustainable aviation fuel industry.

The voluntary goal is to reach at least 1% of total fuel supplied at UAE airports for UAE airlines by 2031, sourced from domestically produced sustainable aviation fuel.

Tenth: Integration between federal and local entities and the private sector

Integration between federal and local entities and the private sector is crucial for developing and utilizing SAF in the UAE, strengthened by clearly defined roles and responsibilities. Integration between these entities is also enhanced through the identification of roles and responsibilities.

Alignment with the UAE's five key strategies and principles for the next fifty years by supporting aviation decarbonization.

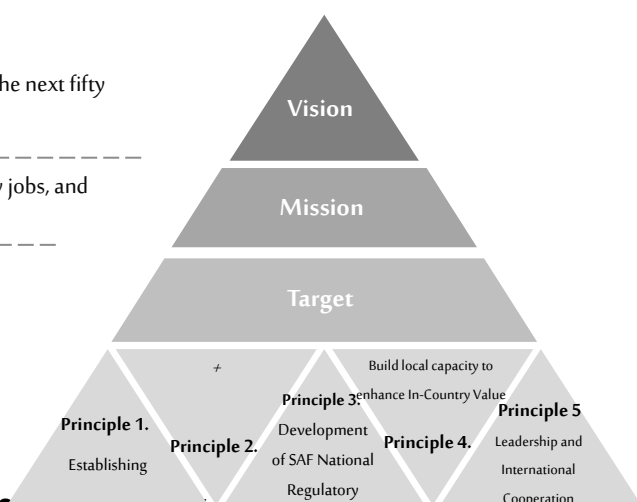
Leverage sustainable aviation fuels to cut emissions, create new jobs, and drive economic diversification and low-carbon transformation.

Enhance public-private collaboration to achieve around 700 million liters of SAF production by 2030.

Principles

Key principles of the UAE's Sustainable Aviation Fuels Policy that support the National Roadmap for Sustainable Aviation

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Integration between federal and local entities and the private sector will strongly catalyze the shift towards a sustainable aviation sector and help meet the UAE's environmental sustainability commitments. This will be achieved through the defined roles and responsibilities of each entity, along with the collaborative implementation of national policies and roadmaps, supporting the realization of shared principles and objectives across all sectors, including

Role	Entity /Partner	Policy and Roadmap Implementation Authority	Supporti ng Principl es
Government/ Prime	MINISTRY OF ENERGY & INFRASTRUCTURE GCAA	Implementing UAE's Sustainable Aviation Fuel General Policy and the National Sustainable Aviation Fuel Roadmap . Coordinating and cooperating with all relevant partners	1,2,3,4,5
Government/Share	Ministry of Climate Change and	Supporting and	2,3,4,5

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holder	Environment, Ministry of Industry and Advanced Technology , Ministry of Economy, Ministry of Foreign Affairs, Ministry of Finance, Ministry of Investment	contributing to the implementation of UAE's Sustainable Aviation Fuel General Policy and the National Sustainable Aviation Fuel Roadmap	
Sustainable Fuel Producing Companies	Energy Companies Waste Management Companies Petroleum Companies	Implementing UAE's Sustainable Aviation Fuel General Policy and the National Sustainable Aviation Fuel Roadmap . Coordinating and cooperating with all relevant partners	1,2,3,4,5
SOE/ Partner	Local Departments Ports	Local – Ensure the readiness of SAF supply chain and support land allocation and enablers	1.2
Academic Research Institution)/Partner	National Universities/Research Centers	Conduct collaborative research on SAF with other stakeholders	1,2,4,5

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		and consolidate R&D efforts in SAF production technology at the national level	
Airline / Partner	Airlines	Support the implementation of UAE's Sustainable Aviation Fuel General Policy and the National Sustainable Aviation Fuel Roadmap	1,3,4,5
Financial Institution/Partner	Banks /Financial Institutions	Provide innovative financial tools to support SAF projects	2,5
Airport/ Partner	National Airports	Ensure the readiness of SAF infrastructure in collaboration with other stakeholders	1,2,4,5

Eleventh: Legal References

- Cabinet Resolution No. (77) of 2020 on the Organizational Structure of the Ministry of Energy &Infrastructure.
- Cabinet Resolution No. (19/2T) of 2021, Session No. (2) on the Formation of SAF and Low Carbon Fuels Committees for the Aviation Sector.

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- Federal Law No. 24 of 1999 on the Protection and Development of the Environment, as amended