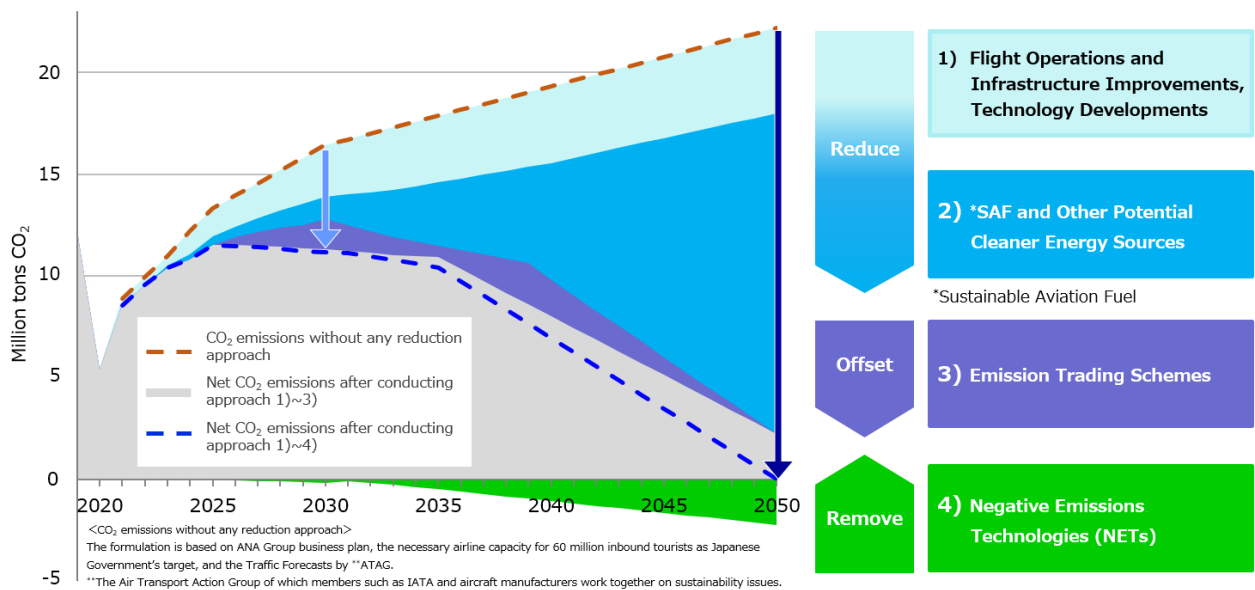


## ANA HOLDINGS Establishes Climate Transition Strategies to Achieve Carbon Neutrality

- The newly established strategies will aim to achieve ANA Group’s environmental targets to 2030 and goals to 2050.
- 4 strategic approaches are addressed to pursue both sustainable growth and environmental improvement.

**TOKYO, Aug. 1, 2022** – ANA HOLDINGS INC. today announced its transition strategies to accelerate decarbonization and reduce carbon emission from aircraft operations to [net zero by 2050](#).

“We are dedicated to achieving our sustainability goals by 2050 and are making investments in multiple areas to meet our commitments,” said Koji Shibata, President and Chief Executive Officer of ANA HOLDINGS INC. “Sustainability is a top priority for ANA and by establishing the transition strategies, we hope to lead the airline industry forward into a carbon-neutral future.”



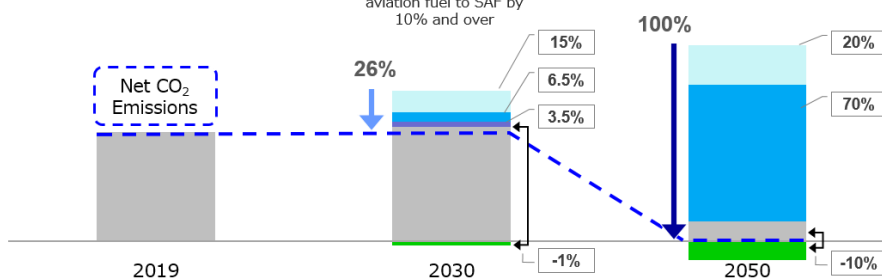
**Mid-term Targets  
Long-term Goals  
of CO<sub>2</sub> Emissions**

**Below FY2019 (net)**

Replace conventional aviation fuel to SAF by 10% and over

**Net zero**

Remove CO<sub>2</sub> by using NETs



## Key Approaches of the Transition Strategies:

1. Flight Operations and Infrastructure Improvements, Technology Developments	<ul style="list-style-type: none"><li>● Reduce fuel consumption by improvements in aircraft flight operations, regularly cleaning the inside of the engine, and reducing the weight of equipment installed.</li><li>● Air traffic system innovation in collaboration with the Ministry of Land, Infrastructure, Transport and Tourism.</li><li>● Increase reliance on aircraft and engines equipped with technology that increases fuel-efficiency.</li></ul>
2. SAF and Other Potential Cleaner Energy Sources	<ul style="list-style-type: none"><li>● Increase use of SAF produced from sustainable sources such as vegetable oil, sugar, animal fat, waste biomass.</li></ul>
3. Emission Trading Schemes	<ul style="list-style-type: none"><li>● Offset CO<sub>2</sub> emissions by purchasing emission credits that support emission reductions in business outside the aviation industry.</li></ul>
4. Negative Emissions Technologies (NETs)	<ul style="list-style-type: none"><li>● Utilize Direct Air Capture (DAC) and new technologies to remove CO<sub>2</sub>.</li></ul>

To help achieve its CO<sub>2</sub> emission-reduction goals, ANA Group plans to replace 10 percent or more of its fuel consumption with SAF by 2030. By 2050, almost all of ANA's fuel consumption will be from low-carbon sources.

For CO<sub>2</sub> emissions that cannot be reduced by the above measures, ANA Group will study the use of NETs including DAC, which are being developed globally, and aim to achieve net zero (carbon neutrality) by FY2050.

In addition, ANA Group has partnered with major aircraft manufacturers to jointly conduct research projects on cutting-edge technology to advance the airline's sustainability efforts.

With Airbus, ANA has entered into agreement on a joint research project for the development of hydrogen aircraft and infrastructure. While hydrogen and/or electricity-powered aircraft are not included in our transition strategy at this time, the partnership will help ANA Group to diversify its range of options to achieve the Group's environmental goals by obtaining timely information on advanced technologies and the global ecosystem.

With Boeing, ANA will work together on the development and utilization of sustainable technologies in Japan, including electric, hybrid, hydrogen and other novel propulsion systems.

To raise funds for the implementation of these strategies, we have established a Green Bond Framework. This framework is based on the Green Bond Principles (GBP) 2021 (the "Principles") published by the International Capital Market Association (ICMA) and the Green Bond Guidelines 2022 (the "Guidelines") published by the Ministry of the Environment of Japan. We have obtained [a Third-Party Opinion](#) from Japan Credit Rating Agency, Ltd. (JCR) to confirm the alignment with the Principles and the Guidelines. The date, the amount and the other details of the issuance of Green Bonds based on this Framework will be decided in the future based on market trends such as interest rate.

Use of proceeds based on the Green Bond Framework:

- Procurement of SAF
- Investments in projects/companies aiming at increasing available SAF
- Investments in utilization of negative emissions technologies

The ANA Group has been proactive in its decarbonization efforts in cooperation with various stakeholders, including being the first Japanese airline to use SAF in its regular flights. ANA will continue to monitor global trends in climate change to promote the decarbonization and sustainability of the aviation industry and continue to contribute to the realization of a carbon-neutral society.

This press release has been prepared for the sole purpose of publicly announcing the ANA Group's establishment of the Transition Strategies and issuance of the Bonds, and not for purpose of soliciting investment or engaging in any other similar activities within or outside Japan.



**Contact:** ANA Corporate Communications, TEL +81-3-6735-1111, [publicrelations@ana.co.jp](mailto:publicrelations@ana.co.jp)

### **About ANA HOLDINGS**

Founded in 1952 with just two helicopters, All Nippon Airways (ANA) has grown to become the largest airline in Japan. ANA HOLDINGS Inc. (ANA HD) was established in 2013 as the largest airline group holding company in Japan, comprising 70 companies including ANA and Peach Aviation, the leading LCC in Japan.

ANA is a launch customer and the largest operator of the Boeing 787 Dreamliner, making ANA HD the biggest Dreamliner owner in the world. A member of Star Alliance since 1999, ANA has joint venture agreements with United Airlines, Lufthansa German Airlines, Swiss International Airlines and Austrian Airlines - giving it a truly global presence.

The airline's legacy of superior service has helped it earn SKYTRAX's respected 5-Star rating every year since 2013, with ANA being the only Japanese airline to win this prestigious designation for nine consecutive years. ANA also has been recognized by Air Transport World as "Airline of the Year" three times (2007, 2013 and 2018); it is one of only a select few airlines to win this prominent award multiple times.

In 2021, ANA was awarded the 5-star COVID-19 safety rating by SKYTRAX, recognizing the airline's initiatives to provide a safe, clean and hygienic environment at airports and aboard aircraft, embodied in the ANA Care Promise.

ANA is the only company in the aviation industry to receive the Gold Class distinction from the 2022 S&P Global Sustainability Awards and ANA HD has been selected as a member of the Dow Jones Sustainability World Index list for the fifth consecutive year and the Dow Jones Sustainability Asia Pacific Index list for the sixth consecutive year.

For more information, please refer to the following link:

<https://www.ana.co.jp/group/en/>