

## ANA HD Announces Net Zero Emissions As Part Of 2050 ESG Goals

- The ANA Group has updated its 2050 ESG commitment to achieve “net zero emissions”<sup>1</sup> from aircraft operations by FY2050.
- In addition, the ANA Group has established new medium-term environmental targets for fiscal 2030 as part of its path to achieve its long-term targets for fiscal 2050.
- ANA HD is committed to helping create a carbon-neutral society through our business activities, working to achieve net zero CO2 emissions from both aviation and non-aviation operations.

**TOKYO, April 26, 2021** – ANA HOLDINGS INC. (hereinafter “ANA HD”) has announced that it plans to reduce carbon emissions levels from aircraft operations to net zero by 2050 as part of its latest Environmental, Social and Governance (ESG) goals, updating its target set in July 2020 to reduce CO2 emissions by 50 percent by 2050 (compared to 2005 levels). As part of a broader societal initiative, ANA HD is proud to join leading companies across the globe in working to achieve sustainable growth, taking proactive steps to achieve net zero CO2 emissions.

The key factors driving the decrease in ANA HD’s emissions for aircraft operations will be:

- 1) increased usage of Sustainable Aviation Fuel (SAF)<sup>2</sup>;
- 2) the development of cutting-edge aircraft and engines with higher fuel-efficiency;
- 3) improved efficiency of aircraft operations and maintenance procedures; and
- 4) the utilization of carbon credit trading<sup>3</sup> to help offset environmental impact.

“Sustainability and innovation are both central components of our vision at ANA HD, and we are excited about the opportunity to make meaningful change as we work to advance our ambitious ESG agenda,” said Shinya Katanozaka, President and Chief Executive Officer of ANA HOLDINGS INC. “Achieving net zero emissions will require us to pursue a number of initiatives to reduce our carbon footprint across the organization, but our entire team is committed to doing all we can to make ANA HD an example of sustainability in our practices.”

### ANA HD’s Environmental Commitments

Segment	Target for 2030	Target for 2050
CO2 emissions from aircraft operations	Less than or equal to FY2019	Net zero (new target)
CO2 emissions from non-aircraft operations	Reduce by at least one-third vs. FY2019	Net zero
Resource waste	Reduce by at least 70%	Zero
Food waste	Reduce disposal rate to 3.8% (vs. 2019 rate of 4.6%)	Reduce disposal rate to 2.3% (50% cut vs. FY2019)

The increased use of SAF, which contributes greatly to reducing carbon impact, will be at the core of ANA HD's CO2 emission reduction measures. To date, we have engaged in various initiatives:

- In 2019, ANA signed an offtake agreement with LanzaTech, Inc. to purchase sustainable aviation fuel, and expanded that partnership in 2020, giving ANA the opportunity to participate in fuel offtake across LanzaJet's global portfolio and production.
- In 2020, ANA and Neste, one of the world's biggest suppliers of SAF, entered into a SAF supply agreement, and together conducted the first flight out of Japan using SAF.
- Together with Toshiba Energy Systems & Solutions Corporation, Toshiba Corporation, Toyo Engineering Corporation, Idemitsu Kosan Co.,Ltd., and Japan CCS Co., Ltd, ANA entered an agreement in 2020 to begin reviewing recycling business models for reuse of CO2 from sources such as exhaust gases into SAF.
- ANA has supported activities within Japan led by companies such as Euglena Co.,Ltd. with its initiative to produce SAF since 2011.

ANA HD will work toward the full-scale operation of SAF, and build upon the successful sustainability measures that it implemented when it [initially committed to meeting 2050 ESG goals](#) and aim to achieve net zero CO2 emissions in FY2050 through these efforts.

ANA HD has long been recognized as a sustainability leader for its strong ESG efforts and was the only company in the aviation industry to receive the Gold Class distinction from the 2021 S&P Global Sustainability Awards. Other ESG-related awards for ANA HD have been presented by [IATA](#), [J-Win](#) and the [Dow Jones Sustainability Index](#).

1: "Net zero" means that the amount of CO2 emitted by ANA will be functionally zero through the usage of advanced technologies, carbon trading and other efforts to reduce emissions.

2: Sustainable Aviation Fuel is jet fuel produced from sustainable sources with low CO2 emissions throughout the entire process - from production and collection of raw materials to combustion.

3: A system to reduce global emission levels by trading CO2 emission allowances among the aviation industry.

## SUSTAINABLE DEVELOPMENT GOALS





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### **About ANA**

Following the "Inspiration of Japan" high quality of service, ANA has been awarded the respected 5-Star rating every year since 2013 from SKYTRAX. ANA is the only Japanese airline to win this prestigious designation eight years in a row. Additionally, ANA has been recognized by Air Transport World as "Airline of the Year" three times in the past 10 years - 2007, 2013 and 2018, becoming one of the few airlines winning this prestigious award for multiple times.

ANA was founded in 1952 with two helicopters and has become the largest airline in Japan, as well as one of the most significant airlines in Asia, operating 82 international routes and 118 domestic routes. ANA offers a unique dual hub model which enables passengers to travel to Tokyo and connect through the two airports in the metropolitan Tokyo, NARITA and HANEDA, to various destinations throughout Japan, and also offers same day connections between various North American, Asian and Chinese cities.

ANA has been a member of Star Alliance since 1999 and has joint venture partnerships with United Airlines, Lufthansa German Airlines, Swiss International Airlines and Austrian Airlines.

In addition to the full service and award-winning record of ANA, the ANA Group's subsidiary Peach Aviation Limited is the leading LCC in Japan, and has expanded following the integration of Vanilla Air Inc. in late 2019. The ANA Group carried 54.4 million passengers in FY2018, has approximately 43,000 employees and a fleet of 260 aircraft. ANA is a proud launch customer and the biggest operator of the Boeing 787 Dreamliner.

For more information, please refer to the following link.

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