

Sustainable NRT 2050

On March 25, 2021, NAA released “Sustainable NRT 2050.” This is the first time in Japan that an airport operator has set a net zero^{*1} target for the operating company and numerical targets for reducing CO₂ emissions among its stakeholders for the entire airport. To achieve our goals, we will address climate change mitigation with all stakeholders involved in our airport.

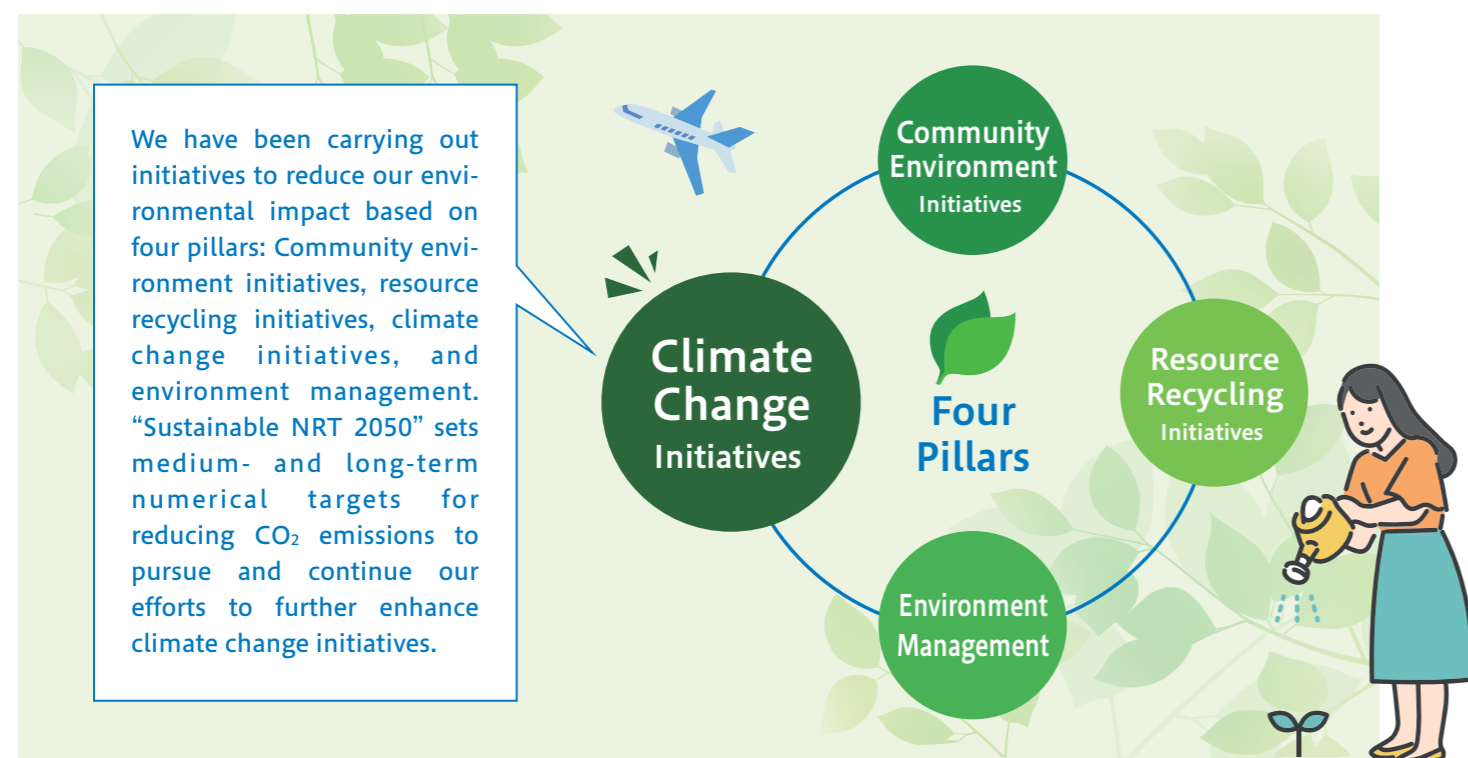
^{*1} Net zero: The introduction of energy efficiency and renewable energy to reduce CO₂ emissions and then balancing CO₂ emissions through carbon fixation and removal, etc. to bring CO₂ emissions effectively to zero. (credit purchase is not included)

FY 2030 Targets (Mid-Term)

- NAA Group will reduce its CO₂ by **30%** compared to fiscal 2015.
- We will aim to reduce Narita Airport's CO₂ emissions per flight by **30%** compared to fiscal 2015.
- We have set out our “**Next Actions**” for NAA to further reduce CO₂.
- Our **Functionality Enhancement at Narita Airport** will continue to promote initiatives to **reduce environmental impact**.

FY 2050 Targets (Long-Term)

- NAA Group will achieve **net zero** corporate CO₂ emissions.
- We will aim to reduce Narita Airport's CO₂ emissions by **50%** compared to fiscal 2015.



Initiatives for “Sustainable NRT 2050”

NAA Group will contribute to the realization of a sustainable society starting with a decarbonized society in cooperation with our stakeholders.

NAA Group's Initiatives

2030	2050	
Carbon neutral ^{*2} buildings	Convert buildings to ZEBs ^{*3} and zero-carbon ^{*4} energy supply	<ul style="list-style-type: none"> ● Continue to promote energy efficiency. ● Newly constructed facilities and reconstructed buildings will be made carbon neutral and converted to ZEB (Net Zero Energy Building) by FY 2050. ● Use zero-carbon fuels to supply energy for air conditioning and other applications.
Convert 20% of purchased electricity to renewable energy	Convert 100% of purchased electricity to renewable energy	<ul style="list-style-type: none"> ● Introduce renewable energies sequentially and convert 20% of purchased electricity to renewable energy by FY 2030 and 100% by FY 2050.
80% of aviation lighting to be converted into LED	100% of aviation lighting to be converted into LED	<ul style="list-style-type: none"> ● Promote the gradual conversion of aviation lights to LED, with 80% of aviation lights to be converted to LED by FY 2030 and 100% by FY 2050. ● All lights to be installed will be LED for further Functionality Enhancement at Narita Airport.
Convert all business vehicles other than special-purpose vehicles to low-emission vehicles	Convert all business vehicles to zero-carbon	<ul style="list-style-type: none"> ● Continue to promote the use of low-emission vehicles for business use, and by FY 2030, all vehicles except special vehicles such as airport fire trucks and snow removal vehicles will become low-emission vehicles. ● Convert all business vehicles to zero carbon by FY 2050.

^{*2} Carbon neutral: The introduction of energy efficiency and renewable energy to reduce CO₂ emissions and then offsetting CO₂ emissions through carbon fixation and removal, etc. as well as carbon offset credit purchases to bring CO₂ emissions effectively to zero.
^{*3} ZEB: Abbreviation for Net Zero Energy Building. A building that aims to achieve a zero annual primary energy consumption balance by introducing renewable energy sources in addition to energy conservation through architectural design and the use of natural energy.
^{*4} Zero carbon: Achieving zero CO₂ emissions by using renewable energy and biofuels.

Next Actions

NAA will raise employees' awareness to rapidly achieve the following goals.

Carbon neutralization of NAA Building	<ul style="list-style-type: none"> ● Carbon neutralize NAA Building. (Conversion of electricity to renewable energy, offsetting^{*5} CO₂ emissions associated with air conditioning)
Zero CO ₂ business trip for NAA employees	<ul style="list-style-type: none"> ● Reduce NAA employees' CO₂ emissions from business travel to zero through offsetting.
Promotion of low-carbon commuting for NAA employees	<ul style="list-style-type: none"> ● Promotion of teleworking and switching to low carbon transport will reduce CO₂ emissions from NAA employees commuting by 50%.

Functionality Enhancement at Narita Airport

We will promote initiatives for reducing the impact on the environment of our Functionality Enhancement at Narita Airport.

Reduced taxiing distance	<ul style="list-style-type: none"> ● Reduce aircraft taxiing distance by 30% by improving facilities.
Reduced environmental impact during construction	<ul style="list-style-type: none"> ● Ensure the use of emission-control construction machinery, etc. ● Use low-carbon construction methods (utilization of information and communication technology [ICT] to reduce labor, enhance development and achieve more efficiency as well as reduce the quantity of heavy machinery, etc.) ● Promote the early greening of construction surfaces, the development of green belts and conservation of low-lying wetlands.
Effective use of logged timber	<ul style="list-style-type: none"> ● Recycle logged timber generated by construction.

^{*5} Offset: Compensating for the volume of CO₂ emissions that are difficult to reduce despite all efforts by carbon offset credit purchases and investing in CO₂ reduction activities.

Joint Initiatives with Our Stakeholders

In collaboration with our stakeholders, we will undertake multilateral studies and encourage measures to promote the reduction of CO₂ emissions.

2030	2050	
Development of a framework for accepting SAF ^{*6}	Development of a framework for accepting next-generation aircraft	<ul style="list-style-type: none"> ● Work with stakeholders to provide the necessary acceptance framework and encourage the introduction of SAF. ● Develop the necessary framework for accepting next-generation aircraft (electric and hydrogen powered) while monitoring their development and use.
Convert forklifts to low-emission	Convert GSE ^{*7} vehicles to zero-carbon	<ul style="list-style-type: none"> ● Fifty percent of forklifts to be low-emission by FY 2030. ● Improve the efficiency and decarbonization of the entire GSE fleet by promoting the sharing and zero-carbonization of GSE vehicles used for ground handling operations.
Introduction of measures to encourage lower stakeholder CO ₂ emissions		<ul style="list-style-type: none"> ● Consider various measures to contribute to the reduction of CO₂ emissions of stakeholders. (e.g., discounted parking fees for holders of EV/FCV [fuel cell vehicle] certification cards)

^{*6} SAF: Abbreviation for Sustainable Aviation Fuel. A jet fuel produced from sustainable sources with low CO₂ emissions in the process from production and collection of raw materials to combustion.
^{*7} GSE: Abbreviation for Ground Support Equipment. The general term for equipment used in ground handling operations.

●*1, *2, and *4 are definitions based on the Airports Council International (ACI)