Eco-Airport Digest

Principle Environmental Initiatives at a Glance

At Narita International Airport, NAA and the airport-related businesses and organizations work together to further the conservation of the environment throughout the airport and achieve the targets set under the Eco-Airport Master Plan. We undertake a range of environmental initiatives not only in connection with aircraft operations, passenger terminals and cargo terminals, but also in the area surrounding the airport.

1 General Waste Sorting

Waste is sorted for recycling into 6 categories in the passenger terminal lobbies, and 9–10 categories in the office areas.

2 Solar Power Panels

Solar power panels are installed to the passenger terminals and NAA building. The generated electricity is used for lighting and as a power source for the NAA information corners.

3 Kitchen Wastewater Treatment Facilities and Grey Water Production Facilities

Waste water from restaurants in the terminal buildings is treated for reuse as flushing water in airport toilets.

4 LED Lighting

NAA is gradually introducing high energy-efficient LED lighting into the taxiway lighting system, and as a portion of lighting in the passenger terminal buildings.

Low Pollution Vehicles

Narita Airport promotes the introduction of low emission vehicles such as electric vehicles, high-mileage and low-exhaust cars.

5 Quick Charger for Electric Cars

In order to improve access for customers driving electric car and increase convenience for airport-related business entities, quick chargers have been installed in parking lots P1 and P2.

7 Recycling Plant

Asphalt, concrete and other construction waste is crushed and recycled for use as paving material.

Greenport Eco-Agripark

NAA maintains a hands-on nature conservation park, located on NAA noise mitigation land. The park features a rich diversity of natural life.

Noise Mitigation Embankments

Mitigation embankments and wooded buffer zones have been created to reduce noise.

Environmental Monitoring

To reduce environmental impact from the airport as much as possible, consistent and regular noise, air quality and water quality measurements are taken. The measurement data is disclosed via the NAA website.

GPU (Ground Power Units)

Quiet, zero-emission ground power units(GPU) have been installed at all fixed stands to provide power and air conditioning to parked aircraft.

Overlay Method

For apron pavement repair, NAA uses a Bonded Overlay Method, developed in-house, to reduce construction waste.

6 Noise Reduction Hangar (NRH)

A hangar-type acoustic shield used for aircraft engine testing which drastically reduces noise levels.

8 Rain Water Treatment Facility

Rain water from a holding pond is treated and used for chilled water in the Central Heating and Cooling Plant and for flushing water in the passenger terminal toilets.

Narita Aircraft Noise Index International Landing Charge System

To encourage low-noise aircraft, NAA has introduced a noise-based landing charge system. Low-noise aircraft help contribute towards lower CO_2 emissions.