国土交通省
Ministry of Land, Infrastructure, Transport and Tourism

Press Release

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Airport Planning Division, Civil Aviation Bureau
Airport Engineering Division

Decarbonization promotion plans developed for all 27 airports managed by the government

～Aim to achieve carbon neutrality by 2030 at Miyazaki Airport and seven other airports～

The Ministry of Land, Infrastructure, Transport and Tourism has now developed plans to promote airport decarbonization for all 27 airports managed by the government in order to achieve carbon neutrality throughout Japan's airports.

Miyazaki Airport and seven other airports aim to achieve carbon neutrality by 2030 and other airports aim to achieve carbon neutrality by 2050.

In June 2022, the Civil Aeronautics Act, Airport Act, etc. were amended to establish a system under which airport administrators, in cooperation with airport-related parties, develop airport decarbonization promotion plans that set specific goals and initiatives for decarbonization.

Recently, the Ministry of Land, Infrastructure, Transport and Tourism has developed plans to promote airport decarbonization for all 27 airports managed by the government. This means that airport decarbonization promotion plans have been developed and certified for 32 airports, including the five airports that have already been certified.

We will promote further decarbonization of government-managed airports by maximizing the use of high-efficiency air-conditioning equipment, LED lighting and aviation lights, EV vehicles, and the introduction of renewable energy sources such as solar power generation equipment.

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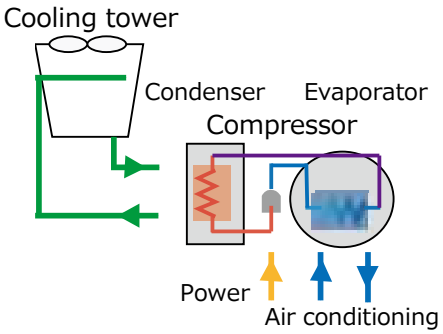
Examples of major initiatives at each airport

Increased efficiency of air-conditioning equipment

Inverter turbo refrigerator

Appearance



System diagram

LED lighting and aviation lights

PTB LED lighting

LED aeronautical lights

Promotion of EV/FCV conversion of airport vehicles

From ANA website

example

Promotion of the introduction of solar power generation

Overview of plans to promote decarbonization at government-managed airports

Eight airports aiming to achieve carbon neutrality by FY 2030 ※1

※1）In descending order of CO2 reduction (taking into account credit creation)

Airport name	FY2013 emissions	Reduction plan		Major initiatives
		FY2030	FY2050	
Miyazaki	6,900[t-CO2 /y]	Carbon Neutral	Credit Creation (3,000t)	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Nagasaki	6,200[t-CO2 /y]	Carbon Neutral	Credit Creation (1,700t)	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Kochi	3,500[t-CO2 /y]	Carbon Neutral	Credit Creation (3,500t)	Increase efficiency of air-conditioning equipment, etc. Introduce solar power generation using the airport site
Kumamoto	6,200[t-CO2 /y]	Carbon Neutral	Credit Creation (600t)	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Oita	3,600[t-CO2 /y]	Carbon Neutral	Credit Creation (1,800t)	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Komatsu	3,400[t-CO2 /y]	Carbon Neutral	Credit Creation (1,700t)	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Tokushima	1,800[t-CO2 /y]	Carbon Neutral	Credit Creation (400t)	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Yao	500[t-CO2 /y]	Carbon Neutral	Credit Creation (1,000t)	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site

Overview of plans to promote decarbonization at government-managed airports

19 other airports※2

※2）In descending order of CO2 reduction rate in FY2030
(If CO2 reduction rates are the same, in descending order of CO2 reduction amount)

Airport name	FY2013 emissions	Reduction plan		Major initiatives
		FY2030	FY2050	
Iwakuni	500[t-CO2 /y]	99.9% Reduction	Credit Creation (100t)	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Hiroshima	9,600[t-CO2 /y]	98.0% Reduction	Credit Creation (2,900t)	Increase efficiency of air-conditioning equipment, etc. Introduce solar power generation using the airport site
Yonago	1,800[t-CO2 /y]	97.5% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Kitakyushu	3,700[t-CO2 /y]	95.3% Reduction	Credit Creation (200t)	Increase efficiency of air-conditioning equipment, etc. Introduce solar power generation using the airport site
Takamatsu	3,800[t-CO2 /y]	94.9% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment, etc. Introduce solar power generation using the airport site
Kagoshima	12,500[t-CO2 /y]	81.2% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Matsuyama	4,600[t-CO2 /y]	60.4% Reduction	Credit Creation (1,800t)	Energy conservation in airport buildings Introduce solar power generation using the airport site
Fukuoka	41,200[t-CO2 /y]	50.2% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment, etc. Introduce solar power generation using the airport site
Niigata	4,800[t-CO2 /y]	50.0% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment, etc. Introduce solar power generation using the airport site

Overview of plans to promote decarbonization at government-managed airports

Airport name	FY2013 emissions	Reduction plan		Major initiatives
		FY2030	FY2050	
Tokyo (Haneda)	235,000[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Energy conservation in new airport buildings Introduce solar power generation using the airport site
New Chitose	66,100[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Introduce solar power generation using the site outside the airport Introduce cogeneration using hydrogen
Naha	35,400[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Sendai	10,800[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Introduce solar power generation using the site inside and outside the airport
Hakodate	5,000[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment Introduce solar power generation using the site outside the airport
Kushiro	3,600[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site
Okadama	1,500[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Energy saving in new airport terminal building based on future terminal development plan
Wakkanai	1,100[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment Introduce solar power generation using the site outside the airport
Hyakuri	700[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment, etc. Introduce solar power generation using the site inside and outside the airport
Misawa	600[t-CO2 /y]	46.0% Reduction	Carbon Neutral	Increase efficiency of air-conditioning equipment Introduce solar power generation using the airport site