

Environmental Value

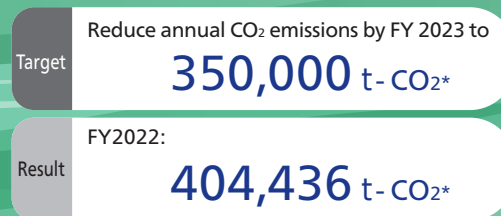
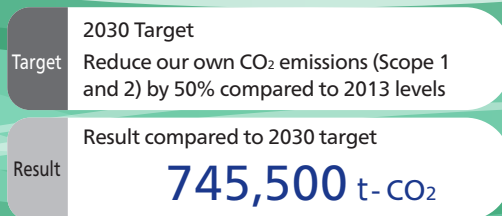
Management Approach



Make positive contributions to climate change, resource recycling, and biodiversity as a logistics company

We are pursuing the mitigation of climate change through the reduction of greenhouse gas emissions from our business activities, and are committed to emergency transport in the event of a disaster or other contingencies, regarding it as the responsibility of a designated public institution. Through our business activities, we are also proactive in recycling resources and protecting biodiversity.

Management Indicators



* Above figures are indices of Nippon Express Co., Ltd. non-consolidated

Main Sustainability Issues

- Addressing Climate Change
- Recycling of Resources
- Preventing Pollution of the Atmosphere, Soil, Etc.
- Appropriate Use of Water
- Preserving Ecosystems

Description in the Sustainability Data Book

- Environmental management
- Reduce CO₂ emissions by reinforcing controls on climate change
- Provide logistics technologies and services with low environmental impact
- Strengthen adaptive capacity and resilience in the face of climate change
- Environmental data (climate change)
- Recycling of resources
- Protect terrestrial and marine ecosystems
- Environmental data (resource recycling)

The NIPPON EXPRESS GROUP's Approach

- Reduce greenhouse gas emissions by facilitating the shift to LED, introducing eco-friendly vehicles and encouraging modal shifts and eco-driving
- Save resources by promoting the 3Rs and increasing the number of eco-friendly products and services
- Thoroughly prevent the cross-border movement of non-native species in compliance with relevant ordinances and treaties

Environmental Management

NIPPON EXPRESS GROUP Environmental Charter Policies and Targets

The NIPPON EXPRESS GROUP focuses particularly on the NIPPON EXPRESS GROUP Charter of Conduct. We have the NIPPON EXPRESS GROUP Environmental Charter in place for the whole Group to fulfill our responsibilities to the Earth's environment.

Please see our website for details of the NIPPON EXPRESS GROUP Environmental Charter.
<https://www.nipponexpress-holdings.com/en/sustainability/env-charter.html>

Sustainability Promotion Structure

Organizations and Systems

The Group is working to implement environmental management in accordance with the NIPPON EXPRESS GROUP Environmental Charter. Within our sustainability promotion structure, we promote cross-sectional environmental management throughout the Group and engage in risk management.

Environmental Management System Organizations and Systems

To further advance activities for environmental conservation, the NIPPON EXPRESS GROUP's offices are working to obtain ISO 14001 certification, the international standard for environmental management systems, and Green Management Certification, a certification system for transportation companies that have implemented initiatives for environmental conservation.

● Obtaining Green Management Certifications

Numerous offices throughout the NIPPON EXPRESS GROUP have been obtaining Green Management Certification, which is granted to companies that engage in business with a minimal environmental impact. As of the end of February 2023, 17 Nippon Express Co., Ltd. trucking offices and three warehousing offices have received this certification. Among Group companies, 16 trucking offices have been granted Green Management Certification.

● Increasing ISO 14001-certified Business Locations

Starting with the Air Freight Business Branch receiving ISO 14001 certification for its operations in the Baraki area (Ichikawa, Chiba Prefecture) in June 1998, Nippon Express Co., Ltd. has been promoting the acquisition of ISO 14001 certification and is working to expand and enhance ISO acquisition in the future.

Environmental Targets Policies and Targets

In January 2023, the NIPPON EXPRESS GROUP set new medium- and long-term targets for reducing CO₂ emissions with the aim of contributing to a carbon-neutral society and preserving the global environment.

2030 Target

Reduce NIPPON EXPRESS GROUP Scope 1 and 2 CO₂ emissions by 50% (compared with 2013)

2050 Target

Contribute to the creation of Scope 1, 2, and 3 carbon-neutral societies as a corporate group

Locations that Have Acquired Green Management Certification

Nippon Express Co., Ltd.

17 trucking offices and 3 warehousing offices

Group companies (Japan)

16 trucking offices

ISO 14001-certified Business Locations (as of the end of December 2022)

Business Planning Unit Management Division	Hiroshima Air Service Branch (Shikoku Area in Charge)	NX Automotive Logistics USA, INC	APC Logistics AB (Sweden)
Forwarding Business Unit Baraki International Logistics Town No.1, No.2	Takamatsu Air Service Branch: Takamatsu Air Cargo Center	NIPPON EXPRESS (DEUTSCHLAND) GMBH	NX LOGISTICS PHILIPPINES, INC
Forwarding Business Unit Narita Airport Logistics Center	Fukuoka Air Service Branch	NX Logistics Europe GmbH	NIPPON EXPRESS ENGINEERING (VIETNAM) CO., LTD.
Nagoya Forwarding Branch	Fukuoka Air Service Branch Fukuoka Cargo Center	NIPPON EXPRESS (NEDERLAND) B.V.	Nippon Express (India) Private Limited
Nagoya Forwarding Branch Nagoya Distribution Center	Sendai Branch Corporate Solutions Division (General Affairs)	NIPPON EXPRESS (BELGIUM) N.V./S.A.	NIPPON EXPRESS EURO CARGO B.V.
Osaka Air Service Branch	Sendai Branch Sendai Airport Logistics Center	NIPPON EXPRESS (ITALIA) S.p.A	
Osaka Air Service Branch Nanko Air Cargo Center	Mobility Business Sales Division (Automotive)	NIPPON EXPRESS LOGISTICS (CHINA) CO.,LTD.	
Hiroshima Air Service Branch	Kantou-Kosinetsu Region Forwarding Business Unit	Nippon Express Automotive Logistics (China) Co.,Ltd.	
Hiroshima Air Service Branch Hiroshima Domestic Air Cargo Center	International Ocean Cargo Division Mercedes-Benz Logistics Center		

Reduce CO₂ Emissions by Reinforcing Controls on Climate Change

Our View on Climate Change Policies and Targets

The NIPPON EXPRESS GROUP recognizes climate change as a social issue of global scale.

Abnormal weather resulting from climate change may pose obstacles to logistics infrastructure by causing the suspension of flight, shipping and railway services and the closure of highways. Worse, it may lead to an increase in our operating costs. Abnormal weather may also bring about decreases in production and shipment quantities for our clients, possibly leading to decreases in the amount of cargo we handle and our profits.

By securing two or more modes of transport, the NIPPON EXPRESS GROUP will enhance the resilience of its operations against climate change. We are also working proactively in cooperation with clients to make modal shifts from joint distribution and truck-centered transport to ships, railroads and other modes of transport with a low impact on the environment.

Accurately Controlling Fluorocarbons

Organizations and Systems

Fluorocarbons not only harm the ozone layer but also have an extremely high greenhouse effect. Nippon Express Co., Ltd. strives to preserve the ozone layer and prevent global warming by reducing CO₂ emissions and accurately controlling fluorocarbons. There were no major leaks in FY2022.

● ECO-FREONTIA® Fluorocarbon Management System

The Act on Rational Use and Proper Management of Fluorocarbons ("Fluorocarbons Management Act") came into force in April 2015. We comply with the Act by operating ECO-FREONTIA®, our proprietary system for controlling fluorocarbons, in an effort to prevent the leakage of fluorocarbons. This system prevents the omission of inspections and calculates the volumes of leaked fluorocarbons from the inspection data by creating a database of information about the professional-use freezers, refrigerators and air conditioners (Class I Specified Products) that are regulated under the Fluorocarbons Management Act and by sending out e-mail alerts whenever the relevant equipment undergoes a simple or periodic inspection.

Environmentally Friendly (Low-emission) Vehicles Activities and Achievements

The NIPPON EXPRESS GROUP actively introduces environmentally friendly vehicles that mainly include low-emission diesel trucks such as those complying with the post-new long-term regulations, as well as CNG, hybrid and LPG trucks. As of December 31, 2022, the NIPPON EXPRESS GROUP has a domestic fleet of 12,726 such vehicles in total.

Topics

Introduction of BEV/FCV

Nippon Express Co., Ltd. has applied to the Japan Automobile Transport Technology Association (JATA) for a subsidy for 2023-24. We are in the process of introducing ten EV trucks for business use and four trucks have already been introduced. The remaining six EV trucks are scheduled to be introduced in the first half of FY2023. Currently, although the number of EV trucks being introduced is limited due to factors such as vehicle driving range and the availability of charging facilities, we will continue to work toward the introduction of EV trucks while monitoring future improvements in the conditions surrounding the introduction of EV trucks, including improvement of vehicle performance and the availability of charging facilities.



Increasing the Number of Environmentally Friendly Facilities Activities and Achievements

The NIPPON EXPRESS GROUP is increasing its number of environmentally friendly facilities. The NIPPON EXPRESS GROUP has developed standards for the installation of equipment that are applicable to the construction of logistics facilities and offices. The standards require our equipment to be more effective in utilizing recyclable energy and reducing the amount of GHG emissions by promoting LED use, reflect our consideration for biodiversity, enhance the safety and health of staff members and people in the neighboring communities and contribute to the continuation of our business operations.

Power generated from renewable energy resources in Japan in FY2022

Domestic renewable energy resource-based power generation	6,720,076.95 kWh
Solar power generation	6,719,020.95 kWh
Wind power generation	1,056.00 kWh

● Promotion of Environmentally Friendly Facilities at Nippon Express Co., Ltd. Bases

In 2013, Nippon Express Co., Ltd. established the Standards for Installation of Environmentally Friendly Equipment with the aim of reducing GHG emissions at its facilities as part of its efforts to reduce CO₂ emissions.

In addition to setting specific installation standards for CO₂ reduction, heat load reduction, energy saving, rainwater reuse, effective use of resources, water saving, and waste reduction, we have also selected specific equipment for biodiversity, BCP, and working environment improvement.

Based on this standard, as one of the concrete measures to achieve the goal of reducing CO₂ emissions to 350,000 t-CO₂ by 2023, Nippon Express Co., Ltd. is promoting initiatives based on the premise of installing solar power generation facilities in construction ordered from the Head Office (installation of new equipment at company-owned facilities involving costs of 500 million yen or higher) to be implemented from FY2022.



NIPPON EXPRESS GROUP Building

Reduce CO₂ Emissions by Reinforcing Controls on Climate Change

● Matsumoto/Nirayama Solar Power Generation Plant Environmental Considerations

NX Real Estate Co., Ltd. owns two solar power generation plants, namely, the Matsumoto Solar Power Generation Plant (launched into operation in November 2013) and the Nirayama Solar Power Generation Plant (launched into operation in March 2014). The Matsumoto Solar Power Generation Plant generates approximately 1.43 million kWh annually, while the Nirayama Solar Power Generation Plant generates approximately 1.09 million kWh annually. Together, the two plants generate approximately 2.5 million kWh annually. Assuming that the amount of electricity generated from solar power reduces the amount generated from thermal power, a decrease of approx. 620g-CO₂/kWh can be achieved. The total annual CO₂ emissions reduced at the two plants was approx. 1,585t. This corresponds to a reduction in CO₂ emissions equivalent to about 400 general households.



Matsumoto Solar Power Generation Plant Nirayama Solar Power Generation Plant

Annual Power Generation at Power Generation Plants Unit: kWh

	2020	2021	2022	Total
Matsumoto Solar Power Generation Plant	1,427,588	1,442,687	1,416,972	4,287,247
Nirayama Solar Power Generation Plant	1,052,521	1,125,529	1,090,650	3,268,700
Total	2,480,109	2,568,216	2,507,622	7,555,947

Provide Logistics Technologies and Services with Low Environmental Impact

Promotion of Modal Shift Activities and Achievements

The NIPPON EXPRESS GROUP facilitates cooperation between customers and logistics companies to make numerous modal shifts, switching from truck-centered transport to transport using railways and ships. Modal shifts to organically link different modes of transport such as trucks, trains, ships and aircraft reduce the environmental impact and make transport more efficient, and they also provide alternatives within business continuity plans (BCP).

● Modal Shift to Rail Transport

The larger the cargo volume and the longer the distance it is hauled, the more efficient and reliable railway transport is found to be in comparison to truck transport. Being eco-friendly and highly energy-efficient, rail transport is effective in reducing CO₂ emissions. By working with customers to make modal shifts to secure and reliable railway transport across a wide range of cargo from bulk to small lots, Nippon Express Co., Ltd. addresses social challenges such as the reduction of environmental impact. We also putting efforts into the visualization of environmental figures, allowing customers to check CO₂ emissions and energy consumption via the Company's proprietary railroad container information service, Rail Container NAVI. CO₂ reduction effects can be simulated on Nippon Express Co., Ltd. website simply by entering where cargo will be picked up and its destination.

As a response to the social issue that long-distance truck transportation will become more difficult to provide due to the overtime cap for truck drivers that will be applied from 2024 and

the future decrease in the working population, we launched the NX Train service in March to charter sections of trains running between the Kanto and Kansai regions for stable transportation of railroad cargo in the future. In addition, the Company is promoting Sea & Rail, a combined railway and domestic marine transportation service using its unique hybrid container, and intermodal transportation that proposes optimal rail and domestic marine transportation.

● Modal Shift to Domestic Marine Transport

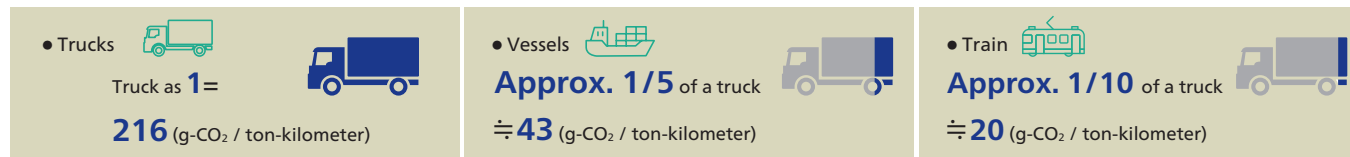
Maritime transport is a mode of low-cost, long-haul transport for large cargo volumes, and it has a low impact on the environment.

In 1964, the NIPPON EXPRESS GROUP put Japan's first container vessel, Dai-ichi Tennichi Maru, into service between Tokyo and Muroran, followed by Dai-ni Tennichi Maru between Osaka and Muroran, thereby launching integrated land and sea transport services. The Group currently operates five large state-of-the-art vessels, including Himawari 8 and Himawari 9, which were launched in September and December 2017 respectively, along two scheduled routes that serve eight ports around Japan.

Cargo departing from and arriving at locations far inland from the port can be transported using dual-use containers in conjunction with rail transport in an effort to reduce CO₂ emissions from fuel consumption.



CO₂ emissions intensity by transport mode



Source: "CO₂ emissions in the transportation sector" from the Ministry of Land, Infrastructure, Transport and Tourism website https://www.mlit.go.jp/sogoseisaku/environment/sosei_environment_tk_000007.html

Provide Logistics Technologies and Services with Low Environmental Impact

Encouraging Eco-driving Activities and Achievements

Aiming to reduce the environmental impact of truck transport, the NIPPON EXPRESS GROUP encourages eco-driving to curb CO₂ emissions and fuel consumption, and is committed to improvements in safety.

● Safe Eco-driving Education

Nippon Express Co., Ltd. has incorporated safe eco-driving, which is characterized by the constant practice of safety, ecology and economy, into the curricula for all types of driver training. By continuing these training programs, we strive to ensure that all drivers engage in safe eco-driving. The eco-driving training uses fuel consumption gauges and, to heighten employee awareness of safety, the environment and cost, Nippon Express Co., Ltd. has been certified as an eco-driving training organization by the Foundation for Promoting Personal Mobility and Ecological Transportation.

● Digital Tachographs

Nippon Express Co., Ltd. uses the Operation Support System that links digital tachographs with work terminals (smartphones) to manage vehicle operations, cargo handling, and other operations as well as work time and attendance. In addition, the reports compiled and output after the daily vehicle operation are used to evaluate not only safe driving using the functions of the digital tachograph but also eco-driving evaluation. We are also pairing IoT technology with our unique education and training to eliminate traffic accidents and cut CO₂ emissions through greater fuel efficiency.

Rate of introduction of digital tachographs

Nippon Express Co., Ltd.	100%
NX Cash Logistics Co., Ltd.	100%

● Expanding Sales of Products that Contribute to Countering Soaring Electricity Prices and Reducing CO₂ emissions

Through the sale of system equipment that controls the output of outdoor unit of the air conditioner, NX Shoji Co.,Ltd. has started initiatives to reduce the amount of CO₂ emissions by reducing electricity consumption and curb soaring electricity bill expenditures while maintaining customer working environments.

In the projects that have already been completed, electricity consumption has been reduced by approximately 15% and electricity costs have been reduced by approximately 10%. We will continue to provide solutions that reduce energy consumption.

Topics

In August 2022, NIPPON EXPRESS (ITALIA) S.p.A Launched an Eco-Friendly Delivery Service in Venice, Italy Using Boats with Hydrogen-Powered Engines

NIPPON EXPRESS (ITALIA) S.p.A (hereinafter "NX Italia") has launched an eco-friendly delivery service in Venice, Italy using boats with hydrogen-powered engines.

Since the European Union (EU) has set a target of reducing GHG emissions by more than 55% from 1990 levels by 2030, companies are increasingly moving toward decarbonization.

In order to realize its long-term vision of becoming a logistics company with a strong presence in the global market, the NIPPON EXPRESS GROUP has positioned climate change initiatives as one of its materialities and is working to reduce CO₂ emissions in its own business and to create products and services that contribute to the reduction of CO₂ emissions by customers.

In addition to reducing truck transport CO₂ emissions, NX Italia has launched a last-mile delivery service using boats with hydrogen-powered engines for deliveries to eco-friendly stores. The services are primarily used by customers in the luxury fashion business. Each hydrogen-powered boat is equipped with a detachable hydrogen generator which significantly reduces CO₂ emissions compared to gasoline and diesel engines.



Please see our website for details.

Provide Logistics Technologies and Services with Low Environmental Impact

Topics

Launch of Carbon-Neutral LPG Handling (October 2022)

NX Shoji Co., Ltd. (hereinafter "NX Shoji") has signed a memorandum of understanding with ENEOS GLOBE Corporation on the sale and purchase of carbon-neutral LPG (hereinafter "CNLPG"), which it has started handling.

In regard to the CNLPG handled by NX Shoji, carbon credits certified by an international NGO in the U.S. are purchased to offset the CO₂ emitted from the mining and combustion of LPG, thereby reducing CO₂ emissions from LPG use to virtually zero.

The NIPPON EXPRESS GROUP is working to reduce CO₂ emissions to realize a sustainable society and is working to utilize CNLPG as the LPG used at NX Shoji and other Group sites.

In order to promote CNLPG among a wide range of customers, NX Shoji has created an original logo to be used on supply certificates and stickers.



Sticker with NX Shoji original logo



Please see NX Shoji's website for details.
* Japanese version

Strengthen Adaptive Capacity and Resilience in the Face of Climate Change

Social Responsibility as a Designated Public Institution Organizations and Systems

The NIPPON EXPRESS GROUP contributes to society by fulfilling its mission as an entity that helps to keep society functioning, playing a role in the supply chain even in emergency situations caused by natural disasters, pandemics, etc.

Nippon Express Co., Ltd. is a designated public institution in the transport industry under the Disaster Countermeasures Basic Act, the Citizens Protection Act (Act Concerning Measures to Protect the Public in Cases of Armed Attack), and the Act on Special Measures for Pandemic Influenza.

At the time of the torrential rain disaster that occurred in July 2020, we transported emergency supplies such as food, beverages, temporary toilets, and air-conditioning equipment to Kumamoto Prefecture, which suffered extensive damage, based on a request from the government.

Nippon Express Co., Ltd. has developed its crisis management and various other systems so that it is capable of continuing its business operations while safeguarding the lives and safety of employees and their families even during an emergency. Nippon Express Co., Ltd. fulfills its social responsibility as a designated public institution by transporting emergency supplies amongst other responses at the request of the national or prefectural governments.

Strengthened Resilience at Logistics Hubs

Activities and Achievements

Tokyo C-NX, Nippon Express Co., Ltd.'s largest logistics hub located in Koto-ku, Tokyo, has an earthquake-proof structure and a large emergency power generator to ensure that, in the event of a blackout, electric power can be used for eight hours per day for three days. This will facilitate the early restoration of logistics functions after a large-scale disaster.

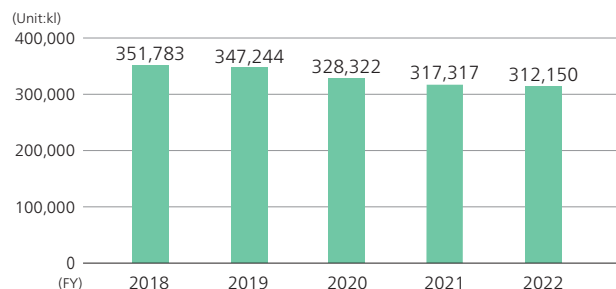


Tokyo C-NX exterior view

Environmental Data (Climate Change)

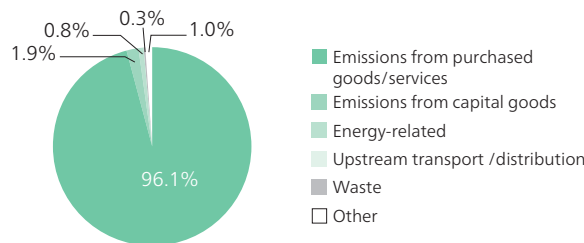
Unless otherwise stated, environmental data results are listed for April to March (of the following year) until FY2020 and for January to December for FY2021 and beyond.

Energy consumption in the NIPPON EXPRESS GROUP (crude oil equivalent)

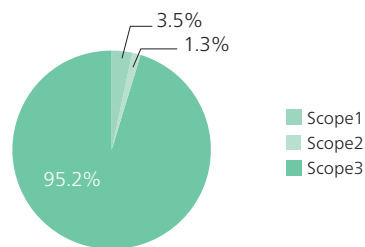


*1 The data shown here aggregate the energy consumption by Nippon Express Co., Ltd. and its consolidated companies in Japan and overseas (equivalent to Scope 1 and 2).
*2 For natural gas, 13A city gas (heat value of 45 GJ/thousand cubic meters) applies.

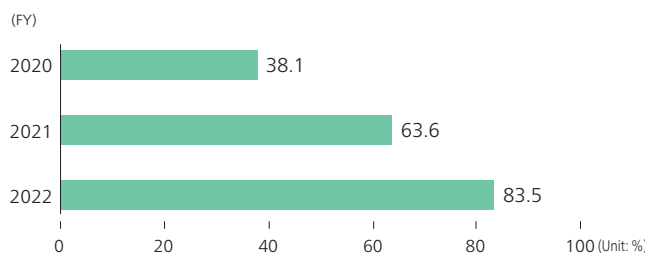
Component ratio for Scope 3 (NIPPON EXPRESS GROUP)



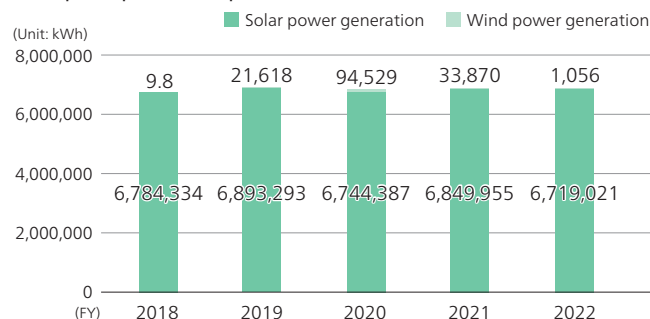
GHG emissions across all supply chains (NIPPON EXPRESS GROUP)



LED lighting for facilities (Nippon Express Co., Ltd. bases)

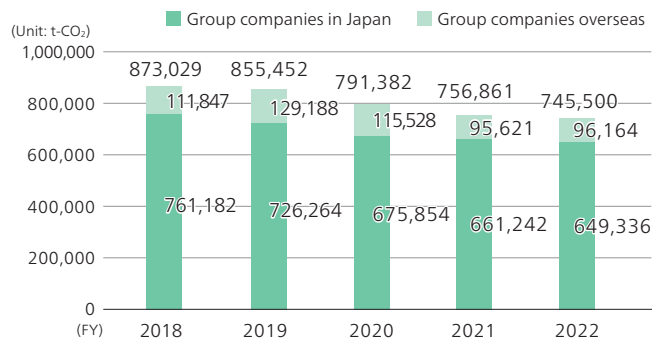


Power generated from renewable energy resources (Group companies in Japan)

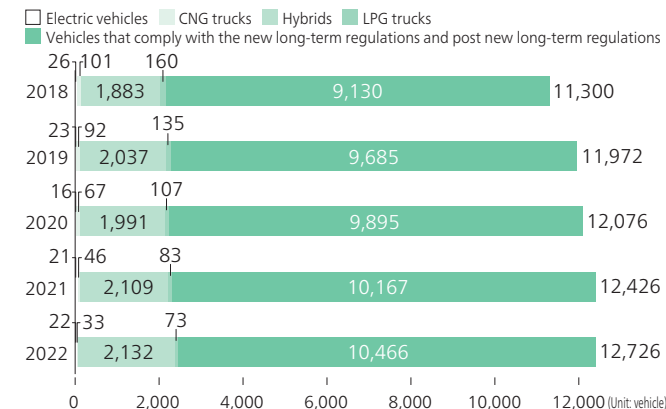


*3 Renewable power generation, electricity used in-house and electricity sold are not included in the NIPPON EXPRESS GROUP's energy use.

CO₂ Emissions (Scope 1 and 2)



Number of eco-friendly vehicles owned (Group companies in Japan)



* Calculated at the end of each fiscal year based on number of vehicles registered on the Operation Support System.

Fluorocarbon Management Act

(April 2022 to March 2023: Nippon Express Co., Ltd.)

(Act on Rational Use and Appropriate Management of Fluorocarbons)

Applicable equipment (number of systems)	
Class I specified products	9,610

Types of fluorocarbon	Actual leakage amount (kg)	Calculated leakage amount (tons CO ₂)
R401A	70	82
R404A	35	137
R410A	42	89
Total	—	309

● Third-party Verification of CO₂ Emissions Data

Nippon Express Co., Ltd. commissioned SGS Japan Inc. to conduct third-party verification of CO₂ emissions data (CO₂ emissions from fossil fuel use in Japan) for FY2021 based on ISO 14064-3: 2019.

We are planning to obtain third-party verification also on CO₂ emissions data for FY2022.

We will ensure accuracy and reliability by receiving verification from a third party and will continue to work on further reducing CO₂ emissions.

Please see our website for details of the Third Party Verification Report.

https://www.nipponexpress-holdings.com/en/pdf/sustainability/environment/co2_emission.pdf?20221226

Recycling of Resources

Perspective on Resource Recycling Policies and Targets

The NIPPON EXPRESS GROUP has been reducing the waste generated through its business activities and advancing the 3Rs (reduce, reuse, and recycle) with the objective of realizing a recycling-based society. In particular, the NIPPON EXPRESS GROUP focuses its efforts on reducing the waste from its business locations as well as thoroughly sorting paper and other waste for easy recycling.

Reducing and Properly Managing Waste

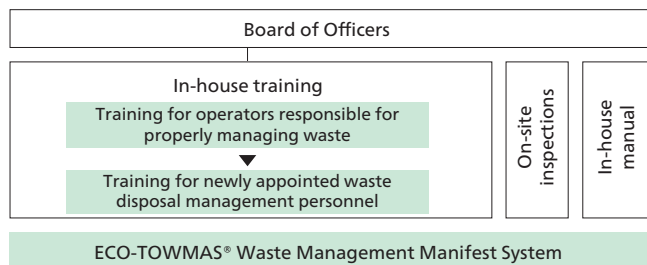
Organizations and Systems

● Waste Management System

To properly manage waste, Nippon Express Co., Ltd. shares information regarding waste with the Board of Officers and disseminates instructions. In addition to providing in-house training and conducting work site inspections, the Company uses a system of managing waste manifests to confirm that the waste generated by the Company is being disposed of properly.

In October 2002, because of a violation of the Waste Disposal Act, Nippon Express Co., Ltd. received a penalty, with its designation as a wide-area recycling industrial waste processor revoked by the Ministry of the Environment. Accordingly, Nippon Express Co., Ltd. suffered significant repercussions, such as being required to withdraw from those operations and being suspended from entering competitive government bidding processes. To prevent such errors from recurring in the future, Nippon Express Co., Ltd. has strengthened its structures and is committed to properly managing the waste generated by the Company through means such as establishing a system and conducting training for all employees. There were no major accidents in FY2022.

Reducing and Properly Managing Waste



● Release Amounts Subject to Notification Under the PRTR Act

Although none of Nippon Express' business locations are required to submit notifications under the Act on Confirmation, etc., of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (the "PRTR Act"), business sites that handle chemical substances subject to the Act are listed on the environment data page.

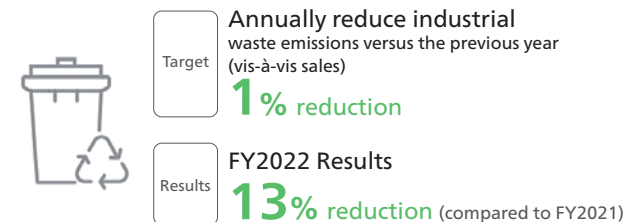
● ECO-TOWMAS® Waste Management Manifest System (Registered trademark)

Since October 2014, Nippon Express Co., Ltd. has been employing the ECO-TOWMAS® Waste Management Manifest System to properly manage industrial waste generated by the Company.

When Company' business locations dispose of industrial waste, ECO-TOWMAS® automatically performs compliance checks to determine whether the disposal is being properly outsourced by comparing the information entered at the locations with the license and contract details of the Company to whom disposal is to be entrusted. If ECO-TOWMAS® determines that there is a lack of compliance, the system will not issue manifests.

ECO-TOWMAS® also supports electronic manifests. After the Company transitioned to electronic manifests, the use rate of electronic manifest routes reached 99.3% and the issue rate of electronic manifests was 96.3% as of December 2022.

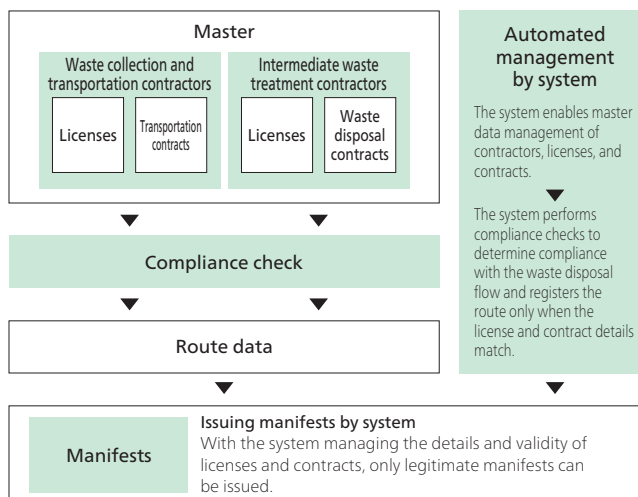
Industrial Waste Reduction Targets (Nippon Express Co., Ltd.)



Resource Recycling Activities and Achievements

Nippon Express Co., Ltd. undertakes the transport of waste, which plays a role in resource recycling. Using rail and marine containers, we engage in the wide-area transport of mercury waste from municipalities and companies around the country and deliver the waste to disposal facilities. In addition, PCB (polychlorinated biphenyl) waste entails significant hazards, and its transport to disposal facilities must be carried out by trained personnel. Using rail containers which have a low environmental impact, we performed wide-area transport of enormous amounts of waste resulting from the Great East Japan Earthquake, the Kumamoto Earthquake, the Reiwa 1 East Japan Typhoon and other recent disasters.

Waste management manifest system



Recycling of Resources

Environmentally Friendly Products

Activities and Achievements

● Reusable Protection Materials for Moving Operations

The NIPPON EXPRESS GROUP makes active use of reusable protection materials (packing materials that can be used repeatedly) in its moving services, thereby achieving environmentally-friendly removals operations. For example, our self-developed reusable protection materials protect customers' precious household items and allow for items to be packed quickly. In addition, since the protection materials can be used repeatedly, their use reduces garbage associated with moving, a factor that has been well received by customers.



● Proposal and Delivery of Environmental Products

NX Shoji Co., Ltd. is moving forward with proposals to switch materials used in logistics to commercial materials with lower environmental impact. As an example, we support our customers' efforts to reduce their environmental impact by proposing that shipping bags used in the EC market be switched to products with the Biomass Mark certified by the Japan Organics Recycling Association.

Since its release in the summer of 2022, we have delivered 6.4 million material sheets, and together with the cost benefits of switching, we have achieved a 25% reduction in oil consumption (25% biomass content) compared to conventional products, contributing to a reduction in CO₂ emissions of approximately 78.5 tons in six months.

Protect Terrestrial and Marine Ecosystems

Preventing Alien Species from Crossing Habitat Boundaries

Organizations and Systems

Nippon Express Co., Ltd. makes the utmost efforts to prevent the unexpected transportation of alien species that threaten ecosystems, human lives, agriculture, forestry and fisheries.

Each business location takes extra care to keep out invasive alien species such as fire ants based on information provided by the Ministry of the Environment, the Ministry of Land, Infrastructure, Transport and Tourism, and local governments. However, if alien species are detected, Nippon Express Co., Ltd. cooperates with the relevant locations and shipping customers in immediately exterminating the alien species and handles the fumigation of the containers.

In case an invasive alien species poses a hazard, Nippon Express Co., Ltd. establishes packing-unpacking procedures specific to the shippers and regions concerned. Whenever such an alien species has been found, work processes will be immediately stopped and appropriate measures, such as extermination, will be taken.

Conservation of Marine Ecosystems

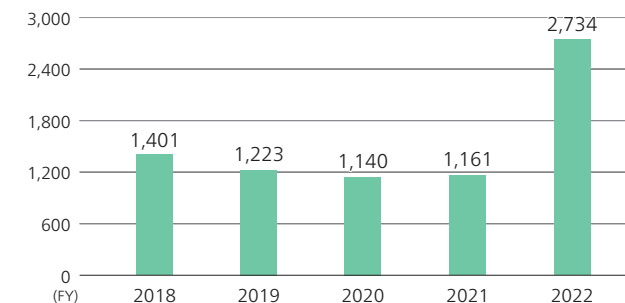
Organizations and Systems

For the conservation of marine ecosystems, Nippon Express Co., Ltd. tries to reduce emissions of contaminated water, waste, ballast water and other pollutants from its ships into the sea. Himawari 8, one of our ships, is equipped with a marine instrument from an incorporated nonprofit organization, VOS Nippon, to provide salinity, temperature and pH measurements of the water along the coasts of Japan. The data is used to make forecasts of meteorological, hydrographic and fishing conditions and for research on ocean currents, biological environments and other phenomena in coastal waters.

Environmental Data (Recycling of Resources)

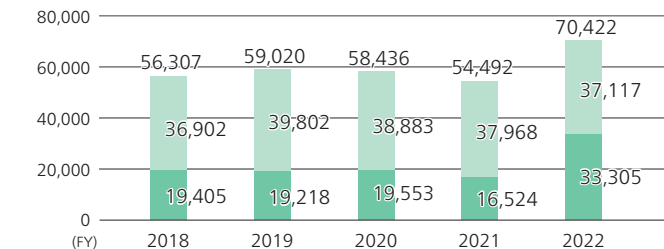
Water usage (in Japan)

(Unit: thousand cubic meters)



Waste volume (in Japan)

(Unit: tons)



PRTR-related emissions of substances reportable

(April 2022 to March 2023: Nippon Express Co., Ltd.)

Business segment	Number of offices	Total amount of substances handled (kg/year)	Main substance name	Main use
Targeted business category but amount handled is below the threshold (1t/year) subject to notification	6	184	Fenitrothion	Insecticide and insect control in warehouses
Not reportable business category but office uses reportable substance	16	10,317	Methyl bromide	Fumigation work in operations incidental to import customs clearance