



NIPPON EXPRESS

CO₂ progress report and energy action plan

NIPPON EXPRESS (NEDERLAND) B.V.

January 01, 2020 until December 31, 2020

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1. Introduction

Nippon Express (Nederland) BV and Nippon Express Eurocargo BV have been committed to sustainability for years and has chosen to introduce the CO₂ performance ladder. This is a concrete way of shaping the ambitions that Nippon Express Co.Ltd (mothercompany) has to realize its objective in the field of sustainability. The preparation of the periodic reporting is part of the steering cycle within the energy management system that has been introduced in the context of the CO₂ performance ladder. This control cycle is described in the quality management plan. This periodic report has been drawn up by the energy manager and the head of KAM and describes all matters as described in § 7.3 of the ISO 14064.

The following aspects of the ISO 14064-1 are at least described in this report:

Introduction (p), Description of the organization (a), Responsibilities (b), Base year (j), Reporting period (c), Verification (q), Organizational boundaries (d), Current calculation method and conversion factors (l, n), Changes calculation method (m), Exclusions (h), Absorption of CO₂ (g), Biomass (f), Recalculation of base year and historical data (j, k), Direct and indirect emissions (e, i) and Uncertainties (o).

2. Basic information

2.1. Description of the organization

Nippon Express (Nederland) BV is a subsidiary of Nippon Express Co.Ltd of Tokyo. This mother company was established in 1937 as the first forwarding company in Japan. At first the main focus was on the internal Japanese market but around 1970 the operation expanded to the international market by opening subsidiaries around the world. Currently Nippon Express Co.Ltd of Tokyo is recognized as a major player in the field of transport and warehousing offering transportation services by all modalities (road, air, sea and rail) as well as tailor made warehousing solutions for well recognized, international, operating companies with all kind of products.

Nippon Express Eurocargo BV is a daughter company of Nippon express (Nederland) BV and is offering transport services by own trucks and forwarding services by arranging the national and international trucking using third party carriers.

Currently Nippon express (Nederland) BV and Nippon Express Eurocargo BV are the employers of 569 fixed staffs (as per 01/11/2020) and a large number of temporary staffs and trainees. This number is a variable based on business demand.

2.2. Responsible

Name	Actors
NIPPON EXPRESS (NEDERLAND) B.V.	<i>Responsible:</i> Hans Bax <i>Responsible PDCA cycle:</i> Jan Kolk <i>Responsible assessment:</i> Jos van Ravesteijn
Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte	<i>Responsible:</i> Fried de Rave
Bosporusstraat 36, 3199 LJ Rotterdam-Maasvlakte	<i>Responsible:</i> Michael Willems
Cessnalaan 24, 1119 NL - Schiphol	<i>Responsible:</i> Ferry van Hooven
Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte	<i>Responsible:</i> Fried de Rave
Industrieweg 15 , 2254 AE Voorschoten	<i>Responsible:</i> Norbert Bayer
Locatie Oosterhout (GLD)	<i>Responsible:</i> Rene Frank
Maraboeweg 1 - 1118 EA - Schiphol	<i>Responsible:</i> Martin Schenkels
Nippon Express Eurocargo BV	<i>Responsible:</i> Paul La Grouw
Willem Barentszstraat 27, 3165 AA Rotterdam-Albrandswaard	<i>Responsible:</i> Ferry van Hooven
Willem barentszstraat 41, 3165 AA Rotterdam-Albrandswaard	<i>Responsible:</i> Michael Willems
Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard	<i>Responsible:</i> Michael Willems

2.3. Base year

Name	Default reference year
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Name	Default reference year
NIPPON EXPRESS (NEDERLAND) B.V.	2018
Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte	2018
Bosporusstraat 36, 3199 LJ Rotterdam-Maasvlakte	2018
Cessnalaan 24, 1119 NL - Schiphol	2018
Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte	2018
Industrieweg 15 , 2254 AE Voorschoten	2018
Locatie Oosterhout (GLD)	2018
Maraboeweg 1 - 1118 EA - Schiphol	2018
Nippon Express Eurocargo BV	2018
Willem Barentszstraat 27, 3165 AA Rotterdam-Albrandswaard	2018
Willem barentszstraat 41, 3165 AA Rotterdam-Albrandswaard	2018
Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard	2018

2.4. Reporting period

January 01, 2020 until December 31, 2020

2.5. Verification

The CO₂ footprint has been verified by an institution approved for this purpose.

3. Demarcation

3.1. Organizational boundaries

Name	Description	Consolidation percentage
NIPPON EXPRESS (NEDERLAND) B.V. Group <i>Chamber of commerce or project number:</i> 34047815	Head office	
Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte Location <i>Chamber of commerce or project number:</i> 34047815	Logistics location , Single client warehouse	100%
Bosporusstraat 36, 3199 LJ Rotterdam-Maasvlakte Location <i>Chamber of commerce or project number:</i> 34047815	Location is closed as per 15.08.2020 but for smarttrackers location is closed as per 30.09.2020	100%
Cessnalaan 24, 1119 NL - Schiphol Location <i>Chamber of commerce or project number:</i> 34047815	Warehousing, multi-client warehouse	100%
Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte Location <i>Chamber of commerce or project number:</i> 34047815	Warehousing, single client warehouse	100%
Industrieweg 15 , 2254 AE Voorschoten Location <i>Chamber of commerce or project number:</i> 34047815	Warehousing , multi client warehouse	100%
Locatie Oosterhout (GLD) Location	Dit is een singe client warehouse waarvoor wij het pand huren.	100%
Maraboeweg 1 - 1118 EA - Schiphol Location <i>Chamber of commerce or project number:</i> 34047815	Forwarding activities (Air)	100%
Nippon Express Eurocargo BV Legal entity <i>Chamber of commerce or project number:</i> 34070051	Transport company by own vehicles and forwarding agent to arrange transport using third party carriers	100%
Willem Barentszstraat 27, 3165 AA Rotterdam-Albrandswaard Location <i>Chamber of commerce or project number:</i> 34047815	Warehousing activities. Multi client warehouse Rented facility , NEN has no influence / insight on gas and electricity consumption. Is included for waste statistics , incidents and general measures.	100%
Willem barentszstraat 41, 3165 AA Rotterdam-Albrandswaard Location <i>Chamber of commerce or project number:</i> 34047815	Warehouse activities, Multi client warehouse Rented facility , NEN has no influence / insight on gas and electricity consumption. Is included for waste statistics , incidents and general measures.	100%

Name	Description	Consolidation percentage
Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard Location <i>Chamber of commerce or project number:</i> 34047815	Warehousing activities , multi-client warehouse. Part of office space is used by Forwarding operation (ocean)	100%

3.2. Organization changes

As this is the first report no changes are present.

3.3. CO₂ award projects

No award advantages have been received / were applicable for projects

3.4. Current calculation method and conversion factors

All calculation methods and conversions are mentioned in Smarttrackers application

3.5. Changes in calculation method

Not applicable as this is the first report

3.6. Exclusions

The emission source as indicated "business travel by air" is not applied in 2020. For the year 2020 these were marginal due to the COVID-19 pandemic. As from 01.01.2021 we will record these travels as far as they are made known.

3.7. Absorption of CO₂

This is not applicable for our situation.

3.8. Biomass

This is not applicable for our situation.

3.9. Uncertainties

No uncertainties to report

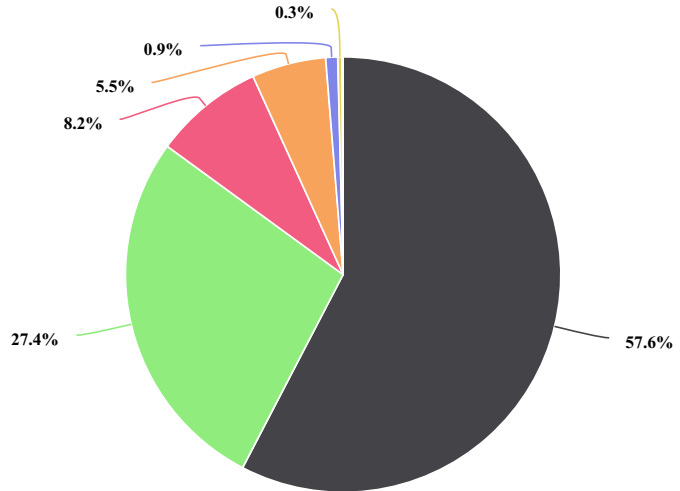
4. CO₂ emissions

4.1. Footprint base year scope 1 & 2



CO₂e (6,745 tonne)
2018

- Electricity: 3,888.43 tonne
- Heating: 1,846.78 tonne
- Transport: 552.33 tonne
- Lease cars: 370.79 tonne
- Private cars: 60.59 tonne
- Waste: 21.01 tonne
- Water: 5.21 tonne
- Air traffic: 0.00 tonne

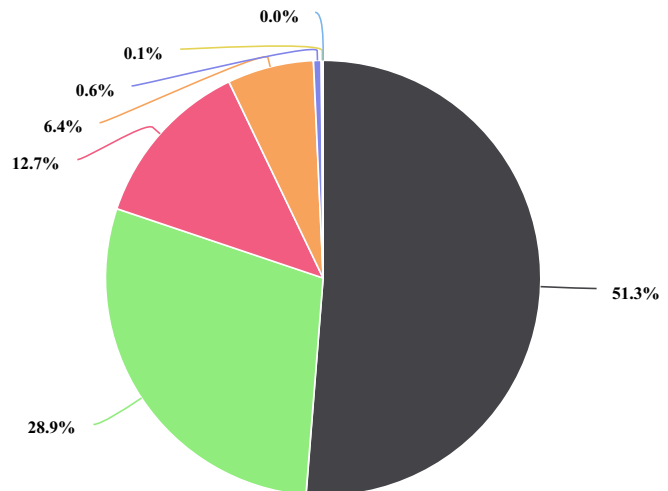


4.2. CO₂ footprint reporting period

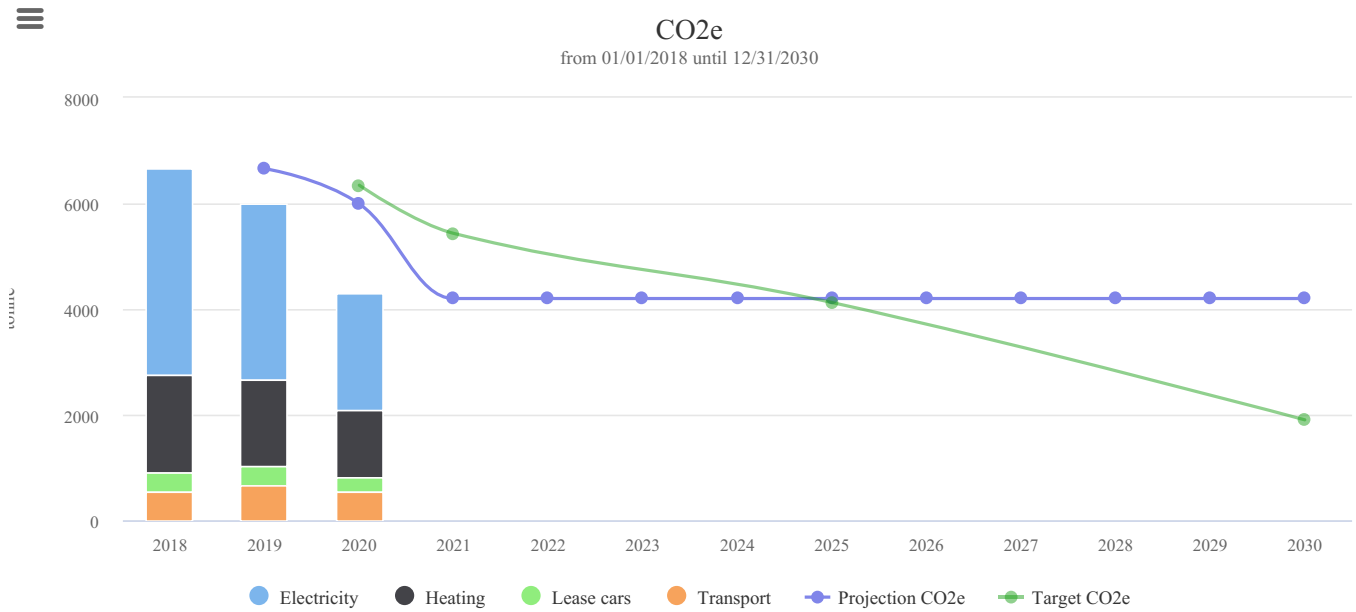


CO₂e (4,321 tonne)
2020

- Electricity: 2,214.95 tonne
- Heating: 1,249.02 tonne
- Transport: 549.81 tonne
- Lease cars: 276.94 tonne
- Private cars: 24.88 tonne
- Waste: 5.54 tonne
- Air traffic: 0.00 tonne



4.3. Trend over the years by category



4.4. Goals

Target CO2e Group NIPPON EXPRESS (NEDERLAND) B.V.

For year	Reference year	Electricity	Lease cars	Public transportation for business travel	Private cars	Transport	Heating	Air traffic
2020	2018	-5%	0%	0%	-5%	-5%	-5%	0%
2021	2018	-25%	-4%	0%	-10%	-10%	-10%	0%
2025	2018	-50%	-30%	0%	-15%	-20%	-20%	0%
2030	2018	-100%	-40%	0%	-20%	-30%	-30%	0%

4.5. Progress reduction measures

Analyse the home - work traffic (In preparation)

We want to analyse the possibilities to change the modality of our staffs for the traffic home-work-home

Effects

Gauges	Kind	Effect starts on	Effect
NIPPON EXPRESS (NEDERLAND) B.V. / Distance cars unknown fuel type	Relative to: 2019	01/28/2022	-5%

Change the purchase of electricity from current (grey) to green electricity (In preparation)

Change the purchase of electricity to "green"

Effects

Gauges	Kind	Effect starts on	Effect
Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte / Electricity consumption grey	Relative to: 2019	01/01/2022	-30%
Cessnalaan 24, 1119 NL - Schiphol / Electricity consumption grey		01/01/2023	-60%
Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte / Electricity consumption grey		12/31/2029	-100%
Industrieweg 15 , 2254 AE Voorschoten / Electricity consumption grey			
Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard / Electricity consumption grey			

Onderzoek en eventueel aanpassen stooklijnen

Kijken naar de kloktijden of deze overeenkomen met de werkelijkheid van werkuren

Effects

Gauges	Kind	Effect starts on	Effect
Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte / Natural gas consumption	Relative to: 2018	01/01/2021	-5%
Cessnalaan 24, 1119 NL - Schiphol / Natural gas consumption			
Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte / Natural gas consumption			
Industrieweg 15 , 2254 AE Voorschoten / Natural gas consumption			
Koerilenstraat , 3199 LR Rotterdam - Maasvlakte / Natural gas consumption			
Maraboeweg 1 - 1118 EA - Schiphol / Natural gas consumption			
Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard / Natural gas consumption			

Reduce the fuel / diesel consumption of our leased cars (In preparation)

By improving the energy labels or change to electricity driven / hybride vehicles the energy consumption will be reduced

Effects

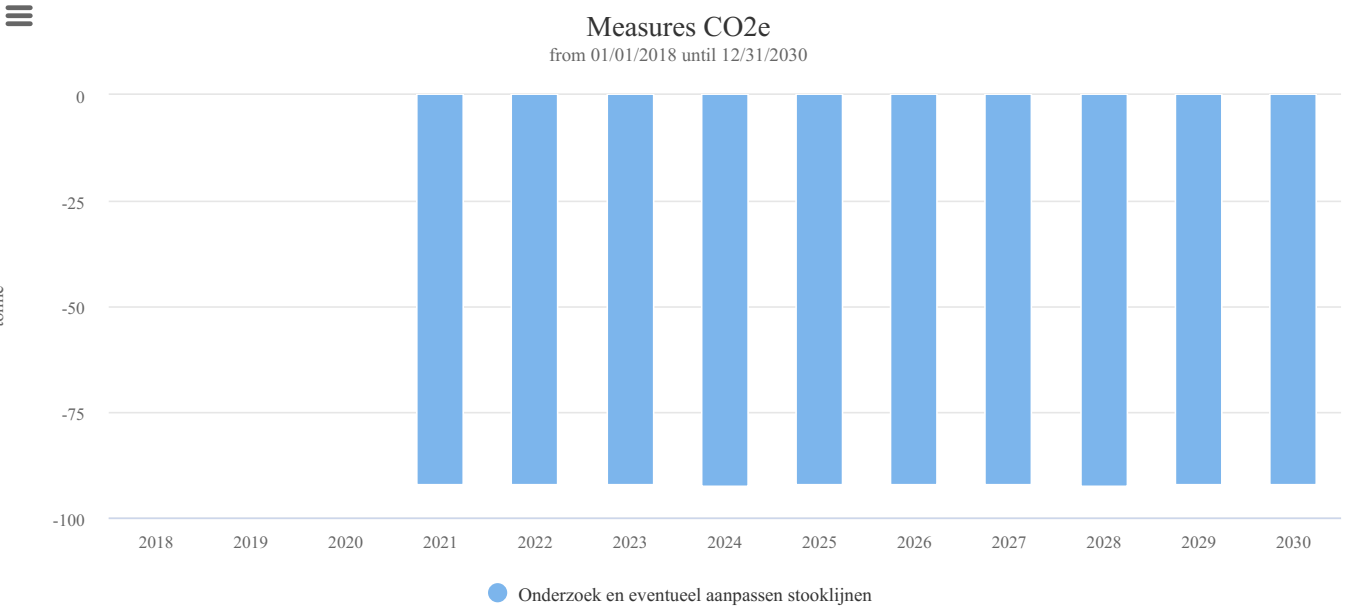
Gauges	Kind	Effect starts on	Effect
NIPPON EXPRESS (NEDERLAND) B.V. / Diesel consumption	Relative to: 2019	01/01/2020	-5%
NIPPON EXPRESS (NEDERLAND) B.V. / LPG consumption			
NIPPON EXPRESS (NEDERLAND) B.V. / Petrol consumption			

(NEEC only) Improve the loading ratio for our own trucks (In preparation)

By creating a baseline for the CURRENT loading ratio of our trucks and by implementing the gauges in our system we want to improve the loading ratio for our own trucks. This will improve the CO2 emission per kilogram.

Effects

Gauges	Kind	Effect starts on	Effect
Nippon Express Eurocargo BV / Diesel usage (Trucks)	Relative to: 2020	01/01/2021	-3%



4.6. Employee contribution

No comments found

5. Initiatives

NIPPON EXPRESS (NEDERLAND) B.V. Club van 49

We became member of " de club van 49 " in order to share knowledge and ideas with other companies with the target to reduce the CO2 emitting.

We also wish to share the best practices how to reduce the consumption of fossile fuels.

Methodologies	Start date	End date
CO2	11/01/2020	
Participation		
https://clubvan49.nl/		