



## **CO<sub>2</sub> progress report and energy action plan**

NIPPON EXPRESS (NEDERLAND) B.V.

January 01, 2021 until December 31, 2021

# Table of contents

1. Introduction	3
2. Basic information	4
2.1. Description of the organization	4
2.2. Responsible	4
2.3. Base year	5
2.4. Reporting period	5
2.5. Verification	5
3. Demarcation	6
3.1. Organizational boundaries	6
3.2. Organization changes	7
3.3. CO2 award projects	7
3.4. Current calculation method and conversion factors	7
3.5. Changes in calculation method	7
3.6. Exclusions	7
3.7. Absorption of CO2	7
3.8. Biomass	8
3.9. Uncertainties	8
4. CO2 emissions	9
4.1. Footprint base year scope 1 & 2	9
4.2. CO2 footprint reporting period	9
4.3. Trend over the years by category	10
4.4. Goals	10
4.5. Progress reduction measures	10
4.6. Employee contribution	12
5. Initiatives	13

# 1. Introduction

Nippon Express (Nederland) BV and Nippon Express Eurocargo BV have been committed to sustainability for years and has chosen to introduce the CO<sub>2</sub> performance ladder. This is a concrete way of shaping the ambitions that Nippon Express Holdings Inc.(mother company ) at Tokyo, Japan, 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 CO<sub>2</sub> 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 CO<sub>2</sub> (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 Europe GmbH based in Germany, which in turn is a subsidiary of Nippon Express Co.Ltd of Tokyo, Japan. As from 1 January 2022, Nippon Express Co. Ltd is part of Nippon Express Holdings Inc. listed on the Tokyo Stock Exchange.

Nippon Express Co.Ltd 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 approximately 600 fixed staffs and a large number of temporary staffs. This number is a variable based on business demand.

### 2.2. Responsible

Name	Actors
<b>NIPPON EXPRESS (NEDERLAND) B.V.</b>	<i>Responsible:</i> Hans Bax <i>Responsible PDCA cycle:</i> Jos van Ravesteijn <i>Responsible assessment:</i> Jos van Ravesteijn
<b>Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte</b>	<i>Responsible:</i> Fried de Rave
<b>Cessnalaan 24, 1119 NL - Schiphol</b>	<i>Responsible:</i> Ferry van Hooven
<b>Conakryweg 2a, 1047 HS Amsterdam-Westpoort</b>	<i>Responsible:</i> Ferry van Hooven
<b>Contour Avenue 31, 2133 LD Hoofddorp</b>	<i>Responsible:</i> Martin Schenkels
<b>Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte</b>	<i>Responsible:</i> Fried de Rave
<b>Industrieweg 15 , 2254 AE Voorschoten</b>	<i>Responsible:</i> Norbert Bayer
<b>Maraboeweg 1 - 1118 EA - Schiphol</b>	<i>Responsible:</i> Martin Schenkels
<b>Nippon Express Eurocargo BV</b>	<i>Responsible:</i> Paul La Grouw
<b>Rietgraaf 2b, 6678 PJ Oosterhout (Gld.)</b>	<i>Responsible:</i> Rene Frank
<b>Willem Barentszstraat 27, 3165 AA Rotterdam-Albrandswaard</b>	<i>Responsible:</i> Ferry van Hooven
<b>Willem barentszstraat 41, 3165 AA Rotterdam-Albrandswaard</b>	<i>Responsible:</i> Michael Willems
<b>Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard</b>	<i>Responsible:</i> Michael Willems

## 2.3. Base year

Name	Default reference year
<b>NIPPON EXPRESS (NEDERLAND) B.V.</b>	2018
<b>Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte</b>	2018
<b>Cessnalaan 24, 1119 NL - Schiphol</b>	2018
<b>Conakryweg 2a, 1047 HS Amsterdam-Westpoort</b>	2021
<b>Contour Avenue 31, 2133 LD Hoofddorp</b>	2021
<b>Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte</b>	2018
<b>Industrieweg 15 , 2254 AE Voorschoten</b>	2018
<b>Maraboeweg 1 - 1118 EA - Schiphol</b>	2018
<b>Nippon Express Eurocargo BV</b>	2018
<b>Rietgraaf 2b, 6678 PJ Oosterhout (Gld.)</b>	2021
<b>Willem Barentszstraat 27, 3165 AA Rotterdam-Albrandswaard</b>	2019
<b>Willem barentszstraat 41, 3165 AA Rotterdam-Albrandswaard</b>	2018
<b>Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard</b>	2018

## 2.4. Reporting period

January 01, 2021 until December 31, 2021

## 2.5. Verification

The CO<sub>2</sub> footprint has been verified by an institution approved for this purpose.

## 3. Demarcation

### 3.1. Organizational boundaries

Name	Description	Consolidation percentage
<b>NIPPON EXPRESS (NEDERLAND) B.V.</b> Group <i>Chamber of commerce or project number: 34047815</i>	Head office	
<b>Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte</b> Location <i>Chamber of commerce or project number: 34047815</i>	Logistics location , Single client warehouse	100%
<b>Cessnalaan 24, 1119 NL - Schiphol</b> Location <i>Chamber of commerce or project number: 34047815</i>	Warehousing, multi-client warehouse	100%
<b>Conakryweg 2a, 1047 HS Amsterdam-Westpoort</b> Location <i>Chamber of commerce or project number: 34047815</i>	Multi-client warehouse. Rented multi-tenant facility.	100%
<b>Contour Avenue 31, 2133 LD Hoofddorp</b> Location <i>Chamber of commerce or project number: 34047815</i>	Forwarding activities (Air & Ocean), removals	100%
<b>Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte</b> Location <i>Chamber of commerce or project number: 34047815</i>	Warehousing, single client warehouse	100%
<b>Industrieweg 15 , 2254 AE Voorschoten</b> Location <i>Chamber of commerce or project number: 34047815</i>	Warehousing , multi client warehouse	100%
<b>Maraboeweg 1 - 1118 EA - Schiphol</b> Location <i>Chamber of commerce or project number: 34047815</i>	Forwarding activities (Air)	100%
<b>Nippon Express Eurocargo BV</b> Legal entity <i>Chamber of commerce or project number: 34070051</i>	Transport company by own vehicles and forwarding agent to arrange transport using third party carriers	100%
<b>Rietgraaf 2b, 6678 PJ Oosterhout (Gld.)</b> Location <i>Chamber of commerce or project number: 34047815</i>	Single client warehouse. Rented facility.	100%

Name	Description	Consolidation percentage
<b>Willem Barentszstraat 27, 3165 AA Rotterdam-Albrandswaard</b> Location <i>Chamber of commerce or project number: 34047815</i>	Warehousing activities. Multi client warehouse Rented facility.	100%
<b>Willem barentszstraat 41, 3165 AA Rotterdam-Albrandswaard</b> Location <i>Chamber of commerce or project number: 34047815</i>	Warehouse activities, Multi client warehouse Rented facility , Gas and electricity consumption figures become available yearly in April for the year before.	100%
<b>Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard</b> Location <i>Chamber of commerce or project number: 34047815</i>	Warehousing activities , multi-client warehouse. Part of office space is used by Forwarding operation (ocean)	100%

## 3.2. Organization changes

In the last quarter of 2020, work started on the site at Rietgraaf in Oosterhout (Gld). It concerns approx. 8000m2 warehouse and office in a new collective building. The building is equipped with solar panels. The generated power will be used by the tenants. There is a gas connection. The emissions of this location are registered as from January 2021.

In April 2021, the location on the Conakryweg in Amsterdam Westpoort was added. It is about 4000m2 warehouse and office in a collective building from 2019. The building is equipped with solar panels. The generated power will benefit the tenants. There is no gas connection.

In July 2021, the Maraboeweg location at Schiphol Airport has been replaced by the Contour Avenue location in Hoofddorp. This new location was built taking into account the latest environmental insights. There is no natural gas consumption. Even the heating is powered by electricity. This new facility is more than twice as large as the old facility and partly equipped with a temperature-controlled storage area (in the range of ambient temperature down to -25 degrees Celsius). Although solar panels have been installed, they were not yet operational at the end of 2021.

These changes are expected to lead to an increase in electricity use and a decrease in gas consumption.

## 3.3. CO<sub>2</sub> 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 Smartrackers application

## 3.5. Changes in calculation method

No changes in calculation method compared to previous year

## 3.6. Exclusions

The emission source as indicated "business travel by air" is not applied in 2021. For the year 2021 these were marginal due to the COVID-19 pandemic. As from 01.01.2022 we will record these travels as far as they are made known.

## 3.7. Absorption of CO<sub>2</sub>

This is not applicable for our situation.

### **3.8. Biomass**

This is not applicable for our situation.

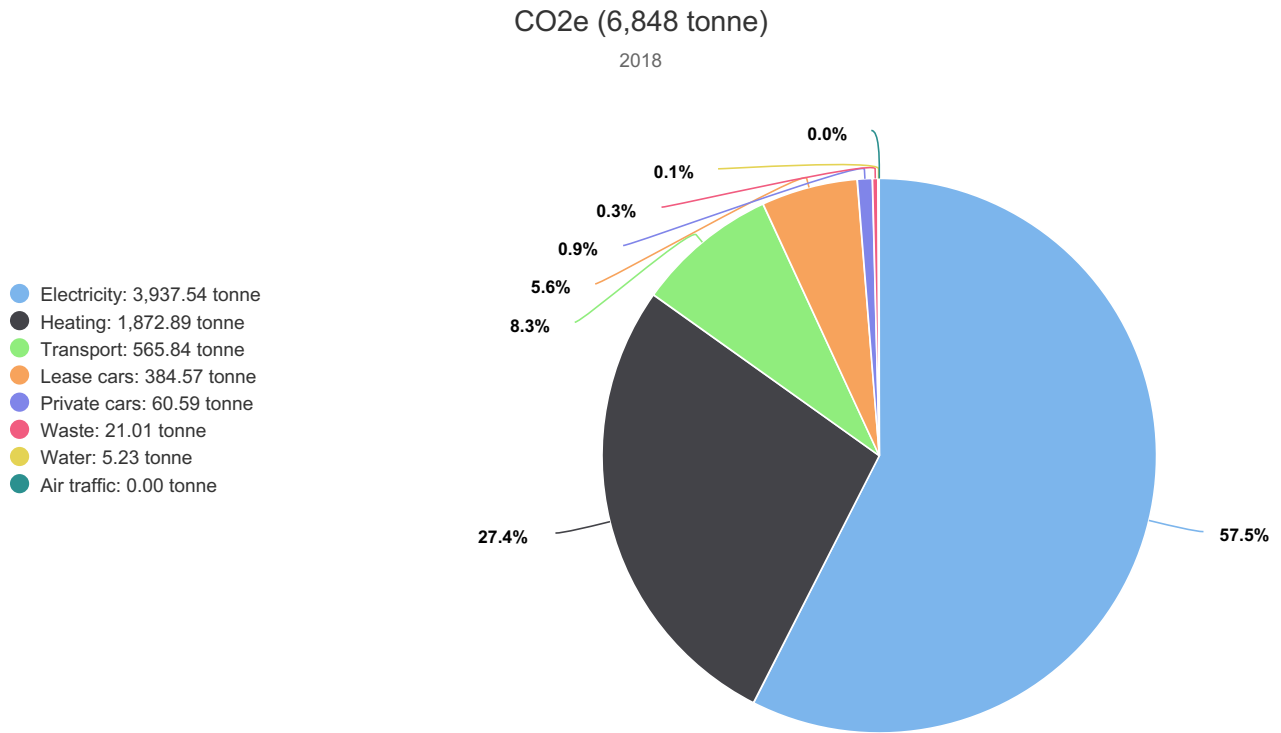
### **3.9. Uncertainties**

No uncertainties to report

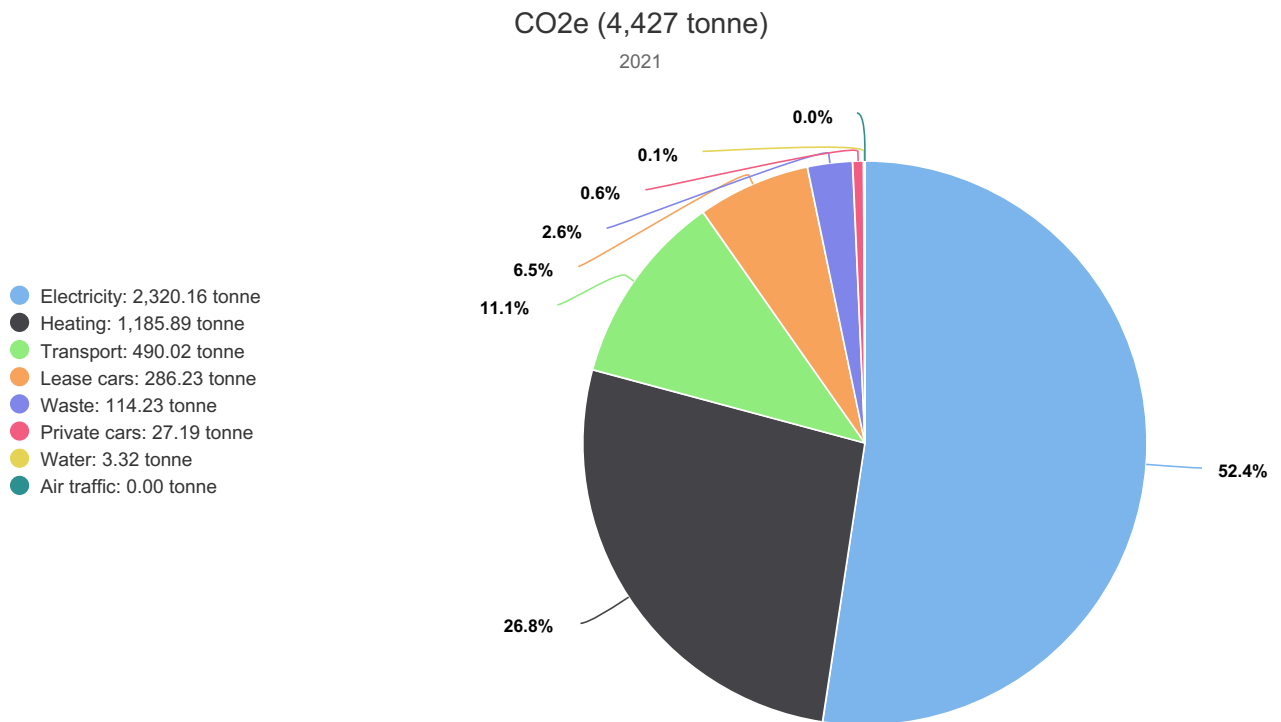


# 4. CO<sub>2</sub> emissions

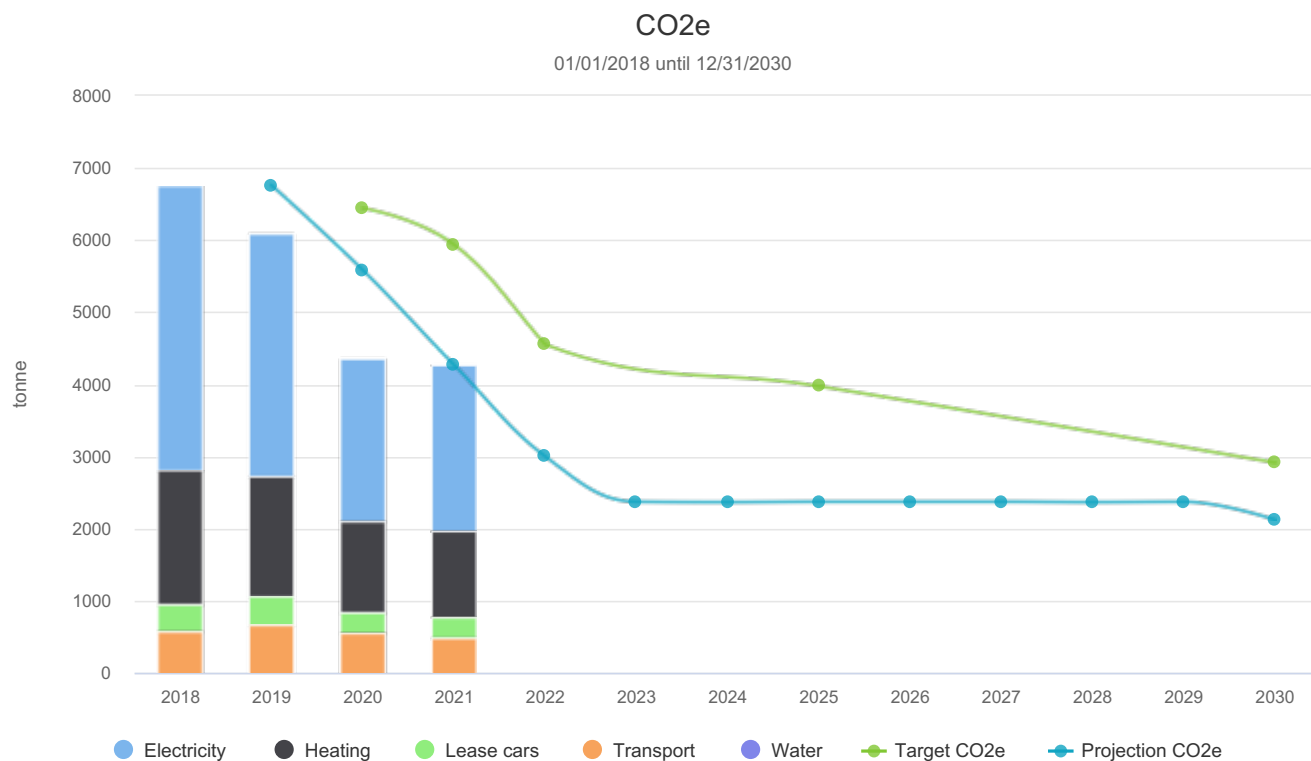
## 4.1. Footprint base year scope 1 & 2



## 4.2. CO<sub>2</sub> footprint reporting period



### 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
2020	2018	-5%	0%	0%	-5%	-5%	-5%
2021	2018	-15%	-4%	0%	-5%	-5%	-10%
2022	2018	-50%	-5%	0%	-5%	-5%	-10%
2025	2018	-62%	-15%	0%	-7%	-10%	-12%
2030	2018	-85%	-25%	0%	-10%	-20%	-15%

### 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

## (Approved)

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: 2018	01/01/2022	-50%
Cessnalaan 24, 1119 NL - Schiphol / Electricity consumption grey		01/01/2023	-75%
Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte / Electricity consumption grey		12/31/2029	-85%
Industrieweg 15 , 2254 AE Voorschoten / Electricity consumption grey			
Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard / Electricity consumption grey			
Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte / Electricity consumption Green Sun	Relative to: 2018	01/01/2022	50%
Cessnalaan 24, 1119 NL - Schiphol / Electricity consumption Green Sun		01/01/2023	75%
Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte / Electricity consumption Green Sun		12/31/2029	85%
Industrieweg 15 , 2254 AE Voorschoten / Electricity consumption Green Sun			
Willem Barentszstraat 27, 3165 AA Rotterdam-Albrandswaard / Electricity consumption Green Sun			
Willem barentszstraat 41, 3165 AA Rotterdam-Albrandswaard / Electricity consumption Green Sun			
Willem Barentszstraat 44-48, 3165 AB Rotterdam-Albrandswaard / Electricity consumption Green Sun			

## Investigate and adjust the settings of the heating and ventilation (Approved)

Check if the clock times of the installations match the actual operational hours of the branches

### Effects

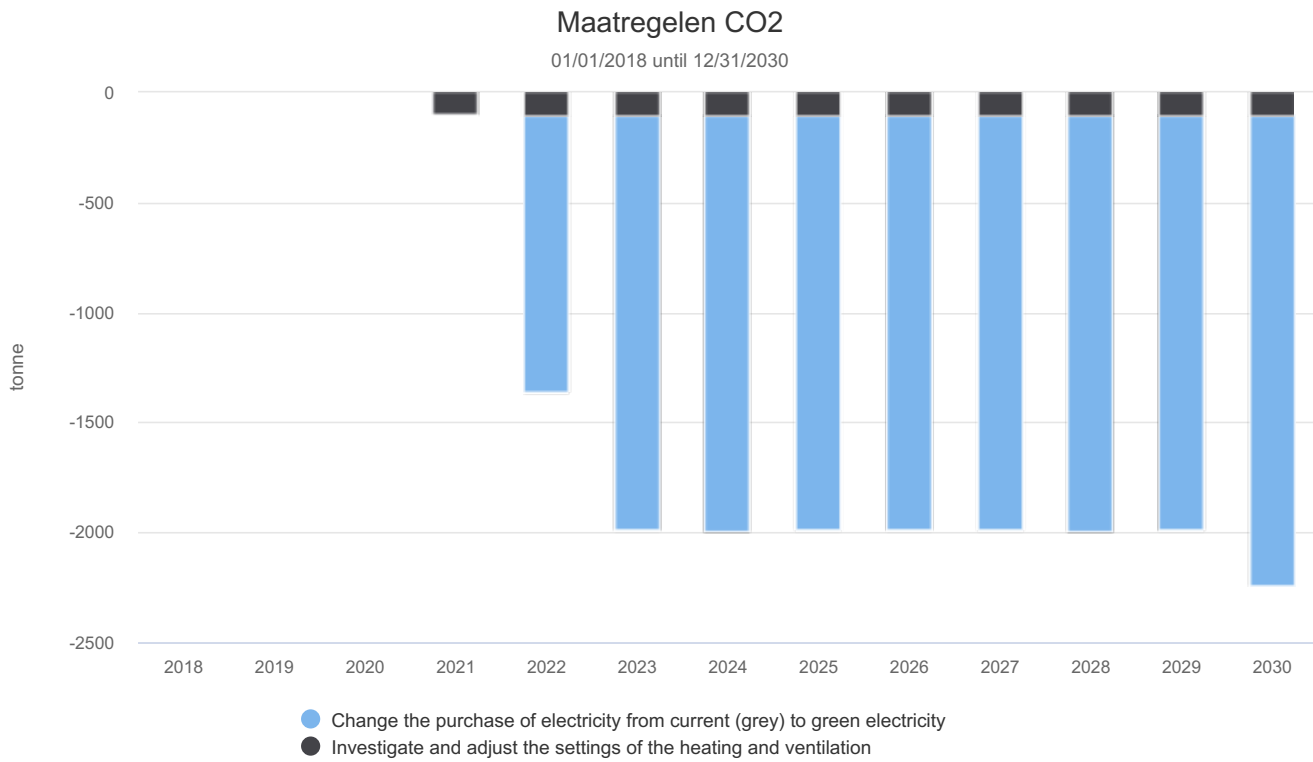
Gauges	Kind	Effect starts on	Effect
Bosporusstraat 10, 3199 LJ Rotterdam-Maasvlakte / Natural gas consumption	Relative to: 2018	01/01/2021	-5%
Cessnalaan 24, 1119 NL - Schiphol / Natural gas consumption			
Dardanellenstraat 90, 3199 KZ Rotterdam-Maasvlakte / Natural gas consumption			
Industrieweg 15 , 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			

## (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		
<a href="https://clubvan49.nl/">https://clubvan49.nl/</a>		