



Envirometer

Report 2023

EeStairs Nederland bv

Compiled on 25-07-2024

Preface

De Milieubarometer vertaalt gegevens zoals elektriciteitsverbruik en afvalproductie naar grafieken en tabellen die de milieubelasting van het bedrijf inzichtelijk maken. In dit rapport worden de Milieubarometer uitkomsten van EeStairs Nederland bv samengevat in enkele grafieken en tabellen.

Table of contents

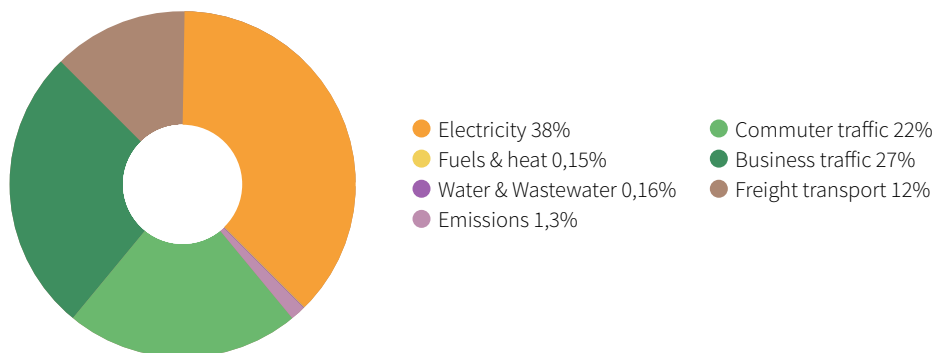
CO2	3
Total	3
CO2 Footprint	5
CO ₂ Thematically	5
Indicators	6
Measures	7

CO2

Total

2023

The pie chart shows the distribution of CO2 emissions over the themes. The larger the slice, the more this theme contributes to the overall CO2 footprint of the company.



CO2

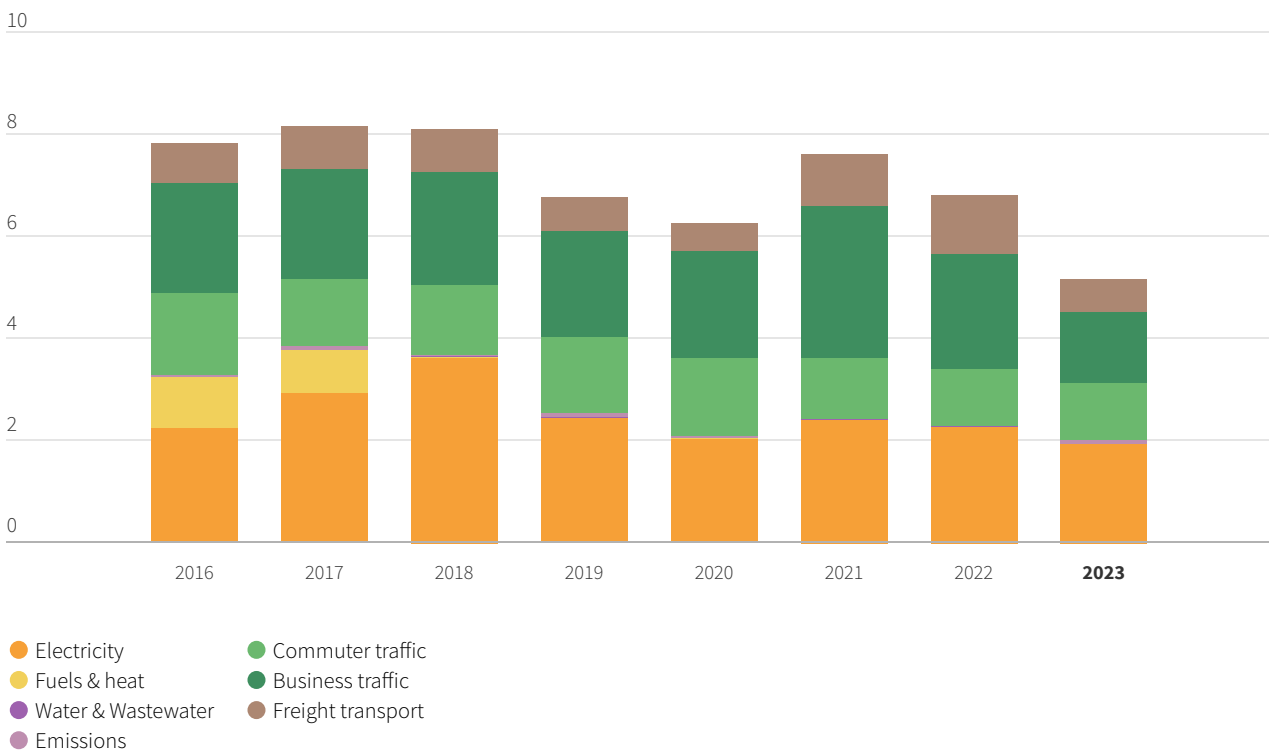
Multiyear graph - Total per Employees

Tonne CO₂ / fte

This chart is a graphical representation of the CO2 footprint in tonnes of CO2 per year. The larger a theme in this graph, the greater the contribution of that theme to the emission of greenhouse gases. No CO2 emission is allocated to waste.

If CO2 emissions are compensated, the CO2 offset is shown in the blue column.

This graph is calculated per Employees. This makes the outcome less dependent on the size. Therefore the outcome is more comparable to previous years and/or other companies.



CO2-footprint

Per Employees - CO₂ Thematically

CO ₂ footprint EeStairs Nederland bv 2023				
	Theme		CO ₂ -parameter	CO ₂ -equivalent
Electricity				
Self generated electricity - solar	Electricity	3.136 kWh / fte	0 kg CO ₂ / kWh	0 tonnes CO ₂ / fte
Returned self-generated electricity	Electricity	963 feed-in kWh / fte	0 kg CO ₂ / feed-in kWh	0 tonnes CO ₂ / fte
Purchased electricity	Electricity	4.303 kWh / fte	0,456 kg CO ₂ / kWh	1,96 tonnes CO ₂ / fte
			<i>Subtotal</i>	<i>1,96 tonnes CO₂ / fte</i>
Fuels & heat				
Woodchips from own waste wood	Fuels & heat	16,1 GJ / fte	0,474 kg CO ₂ / GJ	0,00765 tonnes CO ₂ / fte
			<i>Subtotal</i>	<i>0,00765 tonnes CO₂ / fte</i>
Water & Wastewater				
Drinking-water	Water & Wastewater	6,64 m ³ / fte	0,298 kg CO ₂ / m ³	0,00198 tonnes CO ₂ / fte
Wastewater	Water & Wastewater	0,224 PU / fte	29,5 kg CO ₂ / PU	0,00660 tonnes CO ₂ / fte
			<i>Subtotal</i>	<i>0,00858 tonnes CO₂ / fte</i>
Emissions				
Solvents	Emissions	8,12 kg / fte	8 kg CO ₂ / kg	0,0650 tonnes CO ₂ / fte
			<i>Subtotal</i>	<i>0,0650 tonnes CO₂ / fte</i>
Commuter traffic				
Public transport	Commuter traffic	433 passenger km / fte	0,02 kg CO ₂ / passenger km	0,00866 tonnes CO ₂ / fte
Bicycle and walking	Commuter traffic	917 km / fte	0 kg CO ₂ / km	0 tonnes CO ₂ / fte
Passenger car	Commuter traffic	5.808 km / fte	0,193 kg CO ₂ / km	1,12 tonnes CO ₂ / fte
			<i>Subtotal</i>	<i>1,13 tonnes CO₂ / fte</i>
Business traffic				
Electric cars (charging at the company)	Business traffic	153 kWh / fte	0,456 kg CO ₂ / kWh	0,0697 tonnes CO ₂ / fte
Passenger car (in litres) gasoline	Business traffic	50,4 litre / fte	2,82 kg CO ₂ / litre	0,142 tonnes CO ₂ / fte
Passenger car (in litres) diesel	Business traffic	41,4 litre / fte	3,26 kg CO ₂ / litre	0,135 tonnes CO ₂ / fte
Delivery van (in litres) diesel	Business traffic	314 litre / fte	3,26 kg CO ₂ / litre	1,02 tonnes CO ₂ / fte
Delivery van HVO bio-diesel from used oil	Business traffic	89,7 litre / fte	0,347 kg CO ₂ / litre	0,0311 tonnes CO ₂ / fte
			<i>Subtotal</i>	<i>1,40 tonnes CO₂ / fte</i>
Freight transport				
Truck (in litres) diesel	Freight transport	197 litre / fte	3,26 kg CO ₂ / litre	0,643 tonnes CO ₂ / fte
			<i>Subtotal</i>	<i>0,643 tonnes CO₂ / fte</i>
			CO₂ Emissions	5,21tonnes CO₂ / fte






This CO₂ footprint shows how much greenhouse gas is emitted and eventually offset by the purchase of CO₂ compensation. CO₂ emissions in this footprint are grouped by theme. The footprint also shows which contributes most to CO₂ emissions.













Indicators












		2023
Energy		
Percentage night or off-peak electricity	%	20,0
Electricity consumption per floor area	kWh/m ²	
Electricity consumption per Production Volume	kWh/units	
Fuels & Heat & Cold		
Total fuel consumption per Production Volume	m ³ gas eq./units	
Heating energy consumption per building volume	m ³ gas eq./m ³	
Water and waste water		
Tapwater consumption per office staff member	m ³ /fte	6,64
Waste		
Sorting of waste	%	38,1
Waste per employee	kg/fte	666
Transport		
Fuel consumption road haulage per Production Volume	lt diesel eq./units	
Raw materials		
Raw material 1 per employee	Units/fte	



These indicators translate annual data like 'total electricity' to more comprehensible numbers like 'kWh/m² floor area' or 'sortingpercentage of waste'. Indicators also enable comparison with the environmental performance of larger or smaller organizations.








Measures

Industry - Woodworking and Furniture	Status	Year	Erkende maatregel	Moment
Encourage good behavior Basic data - management: general ↗	● CONTINUOUS			
Energy saving opportunities in construction and conversion Electricity, Fuels & heat - management: general ↗	● DONE	2018		
energy Management Electricity, Fuels & heat - management: general ↗	● CONTINUOUS			
Satisfy (recognized) measures Environment and Planning Act Basic data, Business traffic, Commercial waste, Commuter traffic, Electricity, Freight transport, Fuels & heat, Hazardous waste, Passenger transport, Visitor traffic - management: general ↗	● CONTINUOUS			
Effective management and maintenance of mandatory (energy) measures Electricity, Fuels & heat - management: general ↗	● DONE	2020	 alle EM	Independent
Monitor and analyze energy consumption (power management) Electricity, Fuels & heat - management: measuring ↗	● CONTINUOUS	2018	 GA1	Independent
Switch to (real) green power Electricity - renewable energy ↗	● RESEARCH	2026		
Solar panels (or PV panels) Electricity - renewable energy ↗	● DONE	2017	 FK1, GH1	Independent
Ask a dead zone between cooling and heating Electricity, Fuels & heat - building heating, cooling of a building ↗	● CONTINUOUS			
Local exhaust ventilation (LEV) Electricity, Fuels & heat - ventilation ↗	● DONE	2020		
Ventilation outdoor times Electricity, Fuels & heat - ventilation ↗	● DONE	2017	 GD1	Independent
Frequency controlled fan (dust) extraction Electricity, Fuels & heat - ventilation ↗	● DONE	2020	 PD6	Independent
Let in daylight through the roof Electricity - lighting ↗	● DONE	2017		
Daylight-responsive lighting control Electricity - lighting ↗	● DONE	2017		
Energy efficient outdoor lighting Electricity - lighting ↗	● DONE	2017		
Energy efficient lighting advertisement Electricity - lighting ↗	● DONE	2017		
Safety lighting Electricity - lighting ↗	● DONE	2017		

Industry - Woodworking and Furniture	Status	Year	Erkende maatregel	Moment
Turn off advertising lights at twilight switch and timer Electricity - lighting ↗	● DONE	2017		
Turn off lights by (part of) space Electricity - lighting ↗	● DONE	2017		
Control outdoor lights with twilight switch and timer or motion sensor Electricity - lighting ↗	● DONE	2017	 FG1, FG2	Independent
Motion detection for lighting Electricity - lighting ↗	● DONE	2017	 GF1	Independent
LED emergency lighting Electricity - lighting ↗	● DONE	2017	 GF15	Natural
Turn off equipment after hours Electricity - electrical devices ↗	● CONTINUOUS	2017		
Energy efficient electric motor Electricity - electrical devices ↗	● DONE	2020	 FC4, FC5	Independent
Reduce office equipment Electricity, Paper (& Commodities) - ict, office, purchasing and inventory management ↗	● DONE	2016		
Desktop computers, laptops and computer screens with Energy Star Electricity - ict ↗	● START			
Energy efficient UPS (uninterruptable power system) in server room Electricity - ict ↗	● START			
Virtualization of servers Electricity - ict ↗	● DONE	2016	 F1	Independent
Decommission low-load Uninterrupted Power Supply (UPS). Electricity - ict ↗	● START		 F3	Independent
Energy efficient cooler for server room Electricity - ict ↗	● START		 F5	Natural
Switch compressor off as much as possible Electricity - compressed air ↗	● DONE	2018		
Detect and repair leaks of compressed air Electricity - compressed air ↗	● CONTINUOUS	2018		
Increase the compressed air buffer Electricity - compressed air ↗	● START		 FA1	Independent
Flow pressure regulator in the compressed air network. Electricity - compressed air ↗	● START		 FA3	Independent
Lower temperature of inlet air for the compressor Electricity - compressed air ↗	● START	2025	 FA4	Independent
HR blow gun or vacuum Electricity - compressed air ↗	● START		 FA5	Independent
Vervang de regelklepbediening	● START		 FA8	Natural

Industry - Woodworking and Furniture	Status	Year	Erkende maatregel	Moment
Electricity - compressed air ↗				
Optimal control of the compressed air system Electricity - compressed air ↗	● START	2025	 FC3	Independent
Frequency controlled vacuum pump Electricity - vacuum network ↗	● START		 PD8, PG2	Independent
Win heat from ventilation air Fuels & heat - ventilation ↗	● DONE	2017	 GD2	Independent
Sustainable heating Fuels & heat - building heating ↗	● DONE	2017		
Radiant heating system Fuels & heat - building heating ↗	● DONE	2018		
wood Incinerator Fuels & heat - building heating ↗	● DONE	2017		
Night temperature Fuels & heat - building heating ↗	● DONE	2017		
Temperature sensors climate installation at the right place Fuels & heat - building heating ↗	● DONE	2017		
Programmable timer for space heating Fuels & heat - building heating ↗	● DONE	2017	 GC1	Independent
Weather compensated (central heating) control Fuels & heat - building heating ↗	● DONE	2017	 GC3	Independent
Insulate pipes Fuels & heat - (hot) water, reducing energy loss ↗	● DONE	2017	 GC4, GE1, PE2	Independent
Large-scale isolation measures Fuels & heat - reducing energy loss ↗	● DONE	2017		
Isolate service doors Fuels & heat - reducing energy loss ↗	● DONE	2017		
Insulate roof Fuels & heat - reducing energy loss ↗	● DONE	2017		
Improve sealing of air leaks Fuels & heat - reducing energy loss ↗	● DONE	2017		
Insulate flat roof Fuels & heat - reducing energy loss ↗	● DONE	2017	 GB2, GB4, FH8	Independent
Double glazing and low-e glass Fuels & heat - product cooling: cells, reducing energy loss ↗	● DONE	2017	 GB5, GB6, FH1	Natural
Make passdoors in large shed or garage doors Fuels & heat - reducing energy loss ↗	● DONE	2017	 GB8	Natural
insulate appendages Fuels & heat - reducing energy loss ↗	● DONE	2017	 GC4, GE1, PE2	Independent
Insulate ducts Fuels & heat - reducing energy loss ↗	● DONE	2017	 GC5	Independent

Industry - Woodworking and Furniture	Status	Year	Erkende maatregel	Moment
Automatically turn-off exhaust of the spray booth Fuels & heat - <i>painting and spraying</i> ↗	● DONE	2017	 PA1, PA4	Independent
Recover heat from spray booth ventilation air Fuels & heat - <i>painting and spraying</i> ↗	● START		 PA2	Independent
Keep a solvent registration Emissions - <i>management: measuring</i> ↗	● START	2025		
Optimize creation of paints and lacquers Commercial waste, Emissions, Hazardous waste - <i>painting and spraying, waste prevention</i> ↗	● START			
Optimize storage and inventory of paints and lacquers Commercial waste, Emissions, Hazardous waste - <i>painting and spraying, purchasing and inventory management, waste prevention</i> ↗	● START			
Optimize painting and spraying Commercial waste, Emissions, Hazardous waste - <i>painting and spraying, waste prevention</i> ↗	● DO	2020		
Biodegradable adhesives and adhesives without organic solvents Emissions - <i>adhesives and sealants</i> ↗	● START			
Clean sealing equipment with soap or a knife Emissions, Hazardous waste - <i>adhesives and sealants</i> ↗	● START			
Close paint cans Emissions, Hazardous waste - <i>painting and spraying</i> ↗	● DONE	2016		
Reduce overspray (with HVLP spray guns) Emissions, Hazardous waste - <i>painting and spraying</i> ↗	● DONE	2008		
Waste monitoring Commercial waste, Hazardous waste - <i>management: measuring, waste prevention, waste separation</i> ↗	● START			
Bulk packaging for kit Commercial waste - <i>adhesives and sealants, waste prevention</i> ↗	● DONE	2016		
Use wood residues Commercial waste - <i>construction, waste prevention, woodworking</i> ↗	● DONE	2017		
Reuse packaging Commercial waste - <i>packaging, waste prevention</i> ↗	● DONE	2018		
Wood cutting with crosscut installation Commercial waste - <i>waste prevention, woodworking</i> ↗	● DONE	2017		
Plate cutting optimization by computer and automatic beam saw Commercial waste - <i>waste prevention, woodworking</i> ↗	● DONE	2017		
Print and copy two sided Commercial waste - <i>office, waste prevention</i> ↗	● DONE	2016		
Use/ask for returnable pallets Commercial waste - <i>waste prevention</i> ↗	● DONE	2016		

Industry - Woodworking and Furniture	Status	Year	Erkende maatregel	Moment
Use return packaging Commercial waste - <i>waste prevention</i> ↗	● DONE	2016		
Reduce paper use Commercial waste - <i>office, waste prevention</i> ↗	● START	2025		
Prevent lumber waste Commercial waste - <i>construction, waste prevention, woodworking</i> ↗	● DONE	2017		
Avoid waste wood by finger jointing timber Commercial waste - <i>waste prevention, woodworking</i> ↗	● DONE	2016		
Make agreements with waste collector on waste separation Commercial waste - <i>waste separation</i> ↗	● DONE	2016		
Separate (construction and carpentry) wood waste Commercial waste - <i>waste separation</i> ↗	● DONE	2017	 *	
Separate collection of white and brown goods Commercial waste - <i>waste separation</i> ↗	● START		 *	Independent
Separate wooden waste (from packaging) Commercial waste - <i>waste separation</i> ↗	● DONE	2017	 *	Independent
Separate collection of plastic Commercial waste - <i>waste separation</i> ↗	● START		 *	Independent
Separation of metal packaging Commercial waste - <i>waste separation</i> ↗	● DONE	2016	 *	Independent
Separation of paper and cardboard Commercial waste - <i>waste separation</i> ↗	● DONE	2016	 *	Independent
Separate collection of hazardous waste Hazardous waste - <i>waste separation</i> ↗	● DONE	2016	 *	Independent
Use caulking gun optimal Hazardous waste - <i>adhesives and sealants</i> ↗	● START			
Reduce discharge of unused adhesives Hazardous waste - <i>adhesives and sealants</i> ↗	● DONE	2022		
Reduce packaging of adhesives Hazardous waste - <i>adhesives and sealants</i> ↗	● DONE	2022		
Dosing / mixing system for two-component paint Hazardous waste - <i>painting and spraying</i> ↗	● START			
Color mixing system Hazardous waste - <i>painting and spraying</i> ↗	● START			
Parking policy Commuter traffic, Visitor traffic - <i>transport: other mobility</i> ↗	● DONE	2017		
Mobility budgets Business traffic, Commuter traffic - <i>transport: other mobility</i> ↗	● DONE	2016		
Maximize the refund of commuter car kilometers Commuter traffic - <i>transport: less kilometres, transport:</i>	● DONE	2016		

Industry - Woodworking and Furniture	Status	Year	Erkende maatregel	Moment
<i>other mobility</i> ↗				
Services that support the use of bicycles Business traffic, Commuter traffic - <i>transport: other mobility</i> ↗	● DONE	2017		
Recruitment policy aimed at employees from nearby Commuter traffic - <i>transport: less kilometres</i> ↗	● DONE	2016		
Carpooling Commuter traffic - <i>transport: drive, transport: less kilometres</i> ↗	● DONE	2016		
Arrangements to enable less travel days for employees Business traffic, Commuter traffic - <i>transport: less kilometres</i> ↗	● DONE	2016		
Charging station for electric vehicles Business traffic - <i>transport: other mobility</i> ↗	● DONE	2017		
Acquire assignments in the neighbourhood Business traffic, Freight transport - <i>transport: less kilometres</i> ↗	● DONE	2016		
Keep tires well inflated Business traffic, Freight transport - <i>transport: drive, transport: fleetmanagement</i> ↗	● CONTINUOUS			
Lower the rolling and air resistance of vehicles Business traffic, Freight transport - <i>transport: drive, transport: fleetmanagement</i> ↗	● CONTINUOUS			
Fuel-saving equipment Business traffic, Freight transport - <i>transport: fleetmanagement</i> ↗	● DONE	2016		
Monitor fuel consumption Business traffic, Freight transport - <i>shipping, transport: fleetmanagement</i> ↗	● DONE	2016		
Soot filters on diesel vehicles Business traffic, Freight transport - <i>transport: fleetmanagement</i> ↗	● DONE	2016		
Green up your fleet and vehicle maintenance Business traffic, Freight transport - <i>transport: fleetmanagement</i> ↗	● DONE	2016		
Sustainable fuels for passenger cars and vans Business traffic - <i>transport: purchasing vehicles</i> ↗	● CONTINUOUS	2025		
Electric vans Business traffic, Freight transport - <i>transport: purchasing vehicles</i> ↗	● RESEARCH			
Electric cars Business traffic - <i>transport: purchasing vehicles</i> ↗	● DONE	2020		
Clean and efficient vans Business traffic, Freight transport - <i>transport: purchasing vehicles</i> ↗	● DONE	2020		
Routing and / or navigation freight	● DONE	2016		

Industry - Woodworking and Furniture *Status* *Year* *Erkende maatregel* *Moment*

Freight transport - *transport: drive, transport: fleetmanagement* [↗](#)

Reduce the air resistance of trucks
 Freight transport - *transport: fleetmanagement* [↗](#) ● DONE 2016

sustainable fuels for trucks
 Freight transport - *transport: purchasing vehicles* [↗](#) ● CONTINUOUS 2025

Larger and lighter trucks
 Freight transport - *transport: purchasing vehicles* [↗](#) ● RESEARCH 2024

Clean and efficient lorries
 Freight transport - *transport: purchasing vehicles* [↗](#) ● RESEARCH 2026

This list shows which of the measures in the Envirometer have already been carried out and which have been planned. Also measures that have not yet been assessed are shown. Measures that are not applicable are excluded from this table.

Measures with the blue 'government label' are 'accepted measures', obligatory for this business sector in the Netherlands. The 'number' and 'moment' also refer to the official list with 'accepted measures'.

[↗](#) Read the complete text on [stimular.nl](https://www.stimular.nl)



DE WERKPLAATS VOOR
DUURZAAM ONDERNEMEN

The Envirometer is a product of Stimular Foundation. Stimular translates the growing demand for sustainability into practical tools and working methods for companies, trade associations, governments and healthcare providers. Stimular wants to accelerate the sustainability of companies and organizations by sharing knowledge and experience, for example on stimular.nl/doe-it-zelf. Aim is to show entrepreneurs and managers what their greatest impact on sustainability is and how they can reduce this impact.