

Additional CSR data 2016

CSR data linked to Integrated Annual
Report 2016



Introduction

In our [integrated annual report 2016](#) we report about the topics that are considered to be most relevant to our internal and external stakeholders taking the TenneT Holding perspective, prepared in accordance with sustainability guidelines defined by the Global Reporting Initiative version 4 Core (GRI G4 core). The materiality process is fundamental to integrated reporting as it ensures we meet the level of transparency our stakeholders have the right to expect. The outcome of the materiality analysis is presented in the GRI table, for more info please go to the [CSR section of our website](#).

Our CSR policy and activities are broader and are not limited to the outcome of the materiality analysis. Therefore additional CSR data that gives a full picture of the impact of TenneT on planet and people aspects is reported in this document. In our integrated annual report most data is presented at TenneT Holding level and to give more insight in our operations, KPIs in this document are presented on TenneT Holding level and country level.

The data is reported aligned with the structure of the integrated annual report. Our annual report contains four CSR chapters; Society, Markets, Environment and Employees. Additional data is reported for the chapters Society, Environment and Employees. For definitions of the reported KPIs please go to the [CSR section of our website](#).

In case there any additional questions considering CSR reporting, please send an email to CSR@tennet.eu.



Contents

- Introduction 1
- 1. Society 3
 - 1.1 Grid availability 3
 - 1.2 Technical data 3
 - 1.3 Stakeholder dialogues 3
- 2. Environment 4
 - 2.1 Commitment to nature 4
 - Areas managed in regions of high biodiversity* 4
 - Use of herbicides* 4
 - Partnerships and collaborations* 5
 - Environmental incidents* 6
 - 2.2 Carbon footprint 6
 - Grid losses* 7
 - SF₆ leakage* 7
- 3. Employees 8
 - 3.1 Employee data 8
 - 3.2 Employee engagement & open dialog 9
 - 3.3 Remuneration 10
 - 3.4 Safety 10
 - 3.5 Health 10



1. Society

1.1 Grid availability

TenneT's track record in grid availability is among the best in the world. We work hard to guarantee a reliable electricity grid, a task that is complicated by the volatility of renewable energy, which makes it harder to balance supply with the rising demand. In the table below our onshore grid availability is presented.

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Grid availability	99,9999%	100,0000%	99,9999%	99,9975%	100,0000%	99,9975%	99,9999%	100,0000%	99,9999%
110/150 kV									
Interruptions	6	N/A	6	14	N/A	14	4	N/A	4
Energy not transported	59	N/A	59	145	N/A	145	77	N/A	77
220/380 kV									
Interruptions	-	-	-	2	2	4	-	-	-
Energy not transported	-	-	-	3.669	10	3.679	-	-	-

Our total grid availability is reported as the sum of the availability on the national grids, thereby underestimating the impact for TenneT as a whole.

1.2 Technical data

TenneT maintains and build asset infrastructure to transport electricity. Our assets presented by type of asset and voltage level are presented in the table below.

Technical data	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Number of substations:									
110/150 kV	285	5	290	286	6	292	282	6	288
220/380 kV	40	124	164	39	123	162	39	116	155
Total number of substations	325	129	454	325	129	454	321	122	443
HVDC converter stations	1	14	15	1	12	13	1	2	3
Connected offshore windfarms	-	16	16	-	11	11	-	7	7
Circuit length:									
Underground total	2.023	1.721	3.744	1.928	1.424	3.352	1.780	362	2.142
Overhead total	8.113	10.716	18.829	8.190	10.703	18.893	8.196	10.520	18.716
150/300/450 kV DC	337	1.173	1.510	290	1.035	1.325	290	200	490
220/380 kV	2.912	10.699	13.611	2.894	10.684	13.578	2.897	10.462	13.359
110/150 kV	6.887	565	7.452	6.934	408	7.342	6.789	220	7.009

1.3 Stakeholder dialogues

It is crucial that we connect with local communities, NGOs and politicians from the earliest stages of a project to address their concerns and gain their acceptance. It is our experience that stakeholder dialogue works best on a small scale, with a tailored approach. In the table below the number of public events are presented.

	2016			2015		
	NL	D	Total	NL	D	Total
Number of stakeholder dialogues	83	88	171	81	107	188



2. Environment

2.1 Commitment to nature

Areas managed in regions of high biodiversity

The majority of TenneT's lines and cables are outside regions with high biodiversity, since these areas are protected by national and international laws. However, some of our infrastructure does cross areas of high biodiversity and below we report the surface areas managed in protected natural areas in the Netherlands and Germany.

Since different types of natural areas overlap, for instance protected bird and habitat areas, the sum of protected areas does not sum up to the total.

Type of natural protected area Netherlands	Surface area managed in protected area (km ²)
Total forest and heather	11,6
Total Natura 2000	6,2
Bird guideline area	5,1
Habitat guideline area	4,1
Protected natural area's	0,7

Type of natural protected area Germany	Surface area managed in protected area (km ²)
Natura 2000 (Bird, Habitat and Flora and Fauna areas)	13,1
Nature conservation areas	6,5
National parks	1,7
Natural parks	63,3
Biosphere reserves	2,3
Special protection area (Birds Directive)	17,4
Wadden Sea World Heritage property	1,6
Ramsar Convention	1,2
Total area (without overlap)	85,8

Use of herbicides

Because of the nature of our operations, operating high voltage infrastructure, mechanically weeding is not always possible. For that reason we make use of herbicides to control plant growth and avoid dangerous situations. For some of the herbicides that are banned on a national level due to risks of application, we have an exception as no reasonable alternatives are available. Herbicides are only used in a limited number of areas, since a permit from the state's agricultural chamber is necessary.

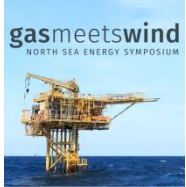








Below the use of herbicides in 2016 in the Netherlands and Germany is reported.

Herbicide	Netherlands	Germany
Round-up/ Glyphos/ TOUCHDOWN (liters)	527,2	10,7
U 46 MCPA (liters)	225	0
Basta (liters)	0	171,7
Finalsan Plus (kg)	0	60,3
Toki/Nozomi (kg)	37,7	1,4
PROMOTOR (liters)	73	0



Partnerships and collaborations

Our Commitment to Nature vision underlines our approach and illustrates the responsibility we feel we have to avoid and minimise our environmental impact and protect and improve local nature. We always strive to balance our business activities with the impact they have on nature. Since stakeholder cooperation is crucial in making sure we come up with the best solution for nature we work together with several partners.

Partner	Logo	Description	Year
Energy cooperation in the North Sea: NOGEPA, NWEA, TNO, TenneT en Stichting Natuur & Milieu		Dutch offshore North Sea oil and gas operators, the offshore wind sector and NGO's, have joined forces and declare that they will collaborate in order to contribute to a safe, sustainable, reliable and affordable energy system in balance with improving eco-systems.	2016
St. de Noordzee		In collaboration with St. de Noordzee a positive impact of the Dutch offshore activities in the Netherlands on marine biodiversity is pursued. Stichting de Noordzee and TenneT together gather academics to open a discussion on the possibilities to improve nature and biodiversity in the North sea.	2016
Green Deal Infra-nature		Via the Green Deal, an instrument from the Dutch ministries to progress sustainability, we are able to: <ul style="list-style-type: none"> - learn from the experience of other companies - create a relevant network with Ministries, NGO's and similar infrastructure companies. - set up a joint lobby for biodiversity related issues. The Ministry of Economic Affairs for example, wants to look upon a solution for the regulatory issues related to biodiversity. 	2016
Life Elia		Pilot project in Germany to implement the findings of the ELIA colleagues –ecological maintenance under power lines.	
Natuur & Milieu		We signed a partnership agreement with Natuur & Milieu in October 2014 for 'Wind op Zee' (NL). Natuur & Milieu is coordinating the input for the EIA procedure for Wind op Zee.	2014
Cigre, workgroup corridor management		Cigre is an international non-profit association for promoting collaboration with experts from all around the world by sharing knowledge and joining forces to improve electric power systems of today and tomorrow. One of the working groups focusses on biodiversity and landscape to have effective corridor management.	
Best Grid / Renewables Grid Initiative (RGI)		Cooperation with a local NGO to analyse how to connect biotopes via power lines 2014-2015 – Partner was the Renewables Grid Initiative and NABU lower Saxony.	2014
NABU (German BirdLife), under Best Grid		For the project SuedLink, TenneT is cooperating very closely with the regional branch of NABU (German BirdLife) in Lower Saxony. As part of this cooperation, NABU organised two round table discussions with authorities, municipalities, planning bureaus, nature conservation organisations, academia and citizen action groups. The meetings focused on routing options in upland areas and how negative impacts of new power lines can be minimized or avoided or even how positive impacts for nature conservation can be achieved.	2014
The European Grid Declaration on Electricity Network Development and Nature Conservation		Under the RGI, a coalition of 24 organisations, including nine of Europe's largest TSOs, and NGOs such as WWF, Greenpeace, Birdlife International and Friends of the Earth Europe, work together.	2011



Environmental incidents

With our operations we have undoubtedly impact on nature. We recognise that we have a responsibility to care for the well-being of the natural environment, and are therefore transparent about the environmental incidents caused by our actions.

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Oil Leaked (litres)	1.710	377	2.087	5.293	8.798	14.091	*)	*)	8.283
Environmental incidents	26	32	58	30	54	84	31	18	49

2.2 Carbon footprint

We present our gross CO₂ footprint for 2016, 2015 and 2014 in three scopes: direct emissions from our own operations; indirect emissions related to purchased energy; and indirect emissions related to other purchased goods. Our nett carbon footprint takes our measures to green our electricity use into account, resulting in a lower carbon footprint. Our calculations are based on the CO₂ Footprint Network Operators Manual, of the Association of Energy Network Operators in the Netherlands, CO₂emissiefactoren.nl and document "Entwicklung der spezifischen Kohlendioxid- Emissionen des deutschen Strommix in den Jahren 1990 bis 2015". The detailed carbon footprint of 2016 is presented below. The 2015 and 2014 figures can be found in the appendix.

2016

Scope 1				conversionfactor	emission in ton CO ₂	net emissions in ton CO ₂
lease						
	412.870	km	DE	0,000181 ton CO ₂ /km	75	75
	14.486.000	km	NL	0,000181 ton CO ₂ /km	2.622	2.622
gas use offices						
	3,07	GWh	DE	178,80 tonnes CO ₂ e/GWh	549	549
	113.680,00	m ³	NL	0,001788 ton CO ₂ e/m ³	203	
SF ₆ leakage						
	161,34	kg	DE	23,90 ton CO ₂ e/kg SF ₆	3.856	3.856
	1.086,76	kg	NL	23,90 ton CO ₂ e/kg SF ₆	25.974	25.974
Scope 2						
electricity use offices						
	3,06	GWh	DE	327 tonnes CO ₂ e/GWh	1.001	1.001
	4,59	GWh	NL	464 tonnes CO ₂ e/GWh	2.131	
grid losses						
	2.994,44	GWh	DE	535 tonnes CO ₂ e/GWh	1.602.025	1.602.025
	1.217,90	GWh	NL	464 tonnes CO ₂ e/GWh	565.106	97.775
electricity use in stations						
	109,00	GWh	DE	535 tonnes CO ₂ e/GWh	58.315	58.315
	19,66	GWh	NL	464 tonnes CO ₂ e/GWh	9.124	384
Scope 3						
business and commute						
	16.358.971	km	DE	0,000181 ton CO ₂ /km	2.961	2.961
	12.624.408	km	NL	0,000181 ton CO ₂ /km	2.285	2.285
air travel						
	4.652.813	km	DE	0,000278 ton CO ₂ /km	1.293	1.293
	3.067.700	km	NL	0,000278 ton CO ₂ /km	853	853
train						
	3.511.201	km	DE	0,000005 ton CO ₂ /km	18	18
	1.230.453	km	NL	0,000005 ton CO ₂ /km	6	6
				Total	2.278.396	1.799.991
					ton CO ₂ e	ton CO ₂ e



Grid losses

Over 90% of TenneT's carbon footprint is due to grid losses. Grid losses are calculated as the difference between the amounts of electricity produced entering our transmission system and the amount that leaves our system for consumption. The grid losses presented per country and voltage level can be found in the table below.

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
110/150 kV									
Grid losses (GWh)	410	N/A	410	411	N/A	411	388	N/A	388
Transported GWh	91.860	N/A	91.860	90.638	N/A	90.638	85.305	N/A	85.305
%grid losses of transported GWh	0,45%	N/A	0,45%	0,45%	N/A	0,45%	0,45%	N/A	0,45%
220/380 kV									
Grid losses (GWh)	808	2.994	3.802	664	2.804	3.468	559	1.877	2.436
Transported GWh	79.951	145.178	225.129	77.414	143.411	220.825	73.181	124.694	197.875
%grid losses of transported GWh	1,01%	2,06%	1,69%	0,86%	1,96%	1,57%	0,76%	1,51%	1,23%
Total grid losses (GWh)	1.218	2.994	4.212	1.075	2.804	3.879	947	1.877	2.824

SF₆ leakage

SF₆ is used in high-voltage equipment on substations because it is an excellent electrical insulator and is necessary for interrupting currents in circuit breakers. However, SF₆ is a strong contributor to greenhouse gas emissions. Below the leaked and banked amounts are reported.

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
SF ₆ leaked (kg)	1.087	161	1.248	919	187	1.106	815	595	1.410
SF ₆ banked (kg)	144.907	182.348	327.255	141.987	172.970	314.957	140.252	111.188	251.440
SF₆ leaked %	0,75%	0,09%	0,38%	0,65%	0,11%	0,35%	0,58%	0,54%	0,56%

¹⁾ Data is not reported and therefore not available.



3. Employees

3.1 Employee data

TenneT is powered by its people. They are the key to our continued success and growth. That's why we create a safe, healthy, stimulating and energising place for them to work and empower our people to perform. We connect their personal ambitions to our strategic goals to fulfil our mission and commitment to society. Our core values guide us in everything we do: quality and integrity are an integral part of our vision for our people and our organisation.

In tables below additional data regarding FTE, headcount, permanent/temporary contracts, CAO/function contracts, male/female ratios, age distribution, inflow/outflow, management/non-management, full-time/part-time employees and education costs is presented.

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
FTE (end of period)									
FTE internal	1.224	1.708	2.932	1.199	1.590	2.789	1.176	1.438	2.614
FTE external	326	216	542	346	128	475	295	-	295
Total	1.550	1.924	3.474	1.545	1.719	3.264	1.471	1.438	2.909

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount (end of period)									
Headcount internal	1.274	1.766	3.040	1.248	1.639	2.887	1.224	1.476	2.700
Headcount external	417	214	631	443	125	568	357	39	396
Total	1.691	1.980	3.671	1.691	1.764	3.455	1.581	1.515	3.096

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount (end of period)									
Permanent contract	1.173	1.530	2.703	1.160	1.433	2.593	1.109	1.304	2.413
Temporary contract	101	236	337	88	206	294	115	172	287
Total	1.274	1.766	3.040	1.248	1.639	2.887	1.224	1.476	2.700

The total headcount presented in the table below is higher, because it includes interns.

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal									
Collective labour contracts	1.119	1.420	2.539	1.101	1.317	2.418	1.089	1.173	2.262
Function contracts	155	204	359	147	193	340	135	185	320
Other contracts	12	142	154	15	129	144	22	118	140
Total	1.286	1.766	3.052	1.263	1.639	2.902	1.246	1.476	2.722

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal gender									
Male	981	1.389	2.370	957	1.290	2.247	944	1.157	2.101
Female	293	377	670	291	349	640	280	319	599
Total	1.274	1.766	3.040	1.248	1.639	2.887	1.224	1.476	2.700

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal by age									
Under 20 years	-	40	40	-	45	45	-	44	44
20-30 years	62	402	464	58	383	441	66	358	424
30-40 years	314	591	905	332	537	869	342	469	811
40-50 years	417	363	780	398	347	745	382	322	704
50-60 years	355	304	659	359	278	637	347	255	602
Over 60 years	126	66	192	101	49	150	87	28	115
Total	1.274	1.766	3.040	1.248	1.639	2.887	1.224	1.476	2.700



Interns are not part of the in- and outflow figures reported below.

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal inflow									
Male	69	110	179	54	160	214	54	165	219
Female	23	33	56	22	42	64	27	49	76
Total	92	143	235	76	202	278	81	214	295

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal outflow									
Male	45	35	80	41	35	76	28	27	55
Female	21	19	40	11	11	22	15	11	26
Total	66	54	120	52	46	98	43	38	81

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal management									
Male	94	104	198	96	96	192	100	92	192
Female	22	10	32	22	7	29	22	9	31
Total	116	114	230	118	103	221	122	101	223

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal non-management									
Male	875	1.286	2.161	858	1.246	2.104	842	1.111	1.953
Female	271	367	638	269	347	616	258	316	574
Total	1.146	1.653	2.799	1.127	1.593	2.720	1.100	1.427	2.527

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal full-time									
Male	903	1.343	2.246	884	1.255	2.139	874	1.064	1.938
Female	116	292	408	114	279	393	107	235	342
Total	1.019	1.635	2.654	998	1.534	2.532	981	1.299	2.280

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal part-time									
Male	78	46	124	73	35	108	70	13	83
Female	177	85	262	177	70	247	173	46	219
Total	255	131	386	250	105	355	243	59	302

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Education costs	2.354	2.011	2.155	2.218	2.743	1.928	1.658	2.151	1.928

3.2 Employee engagement & open dialog

We attach great value to ensuring our employees are committed and engaged. To help achieve this, we conduct an employee survey to measure levels of engagement and satisfaction. Since we did not conduct a survey in 2016, we have no new figures to report.

	2015			2014		
	NL	D	Total	NL	D	Total
Employee satisfaction	80%	86%	83%	N/A	N/A	N/A
Sustainable engagement	80%	86%	83%	77%	81%	79%



We value an open dialogue with our employees and encourage them to report potential issues regarding integrity and undesirable behaviour.

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Formal complaints	40	-	40	40	5	45	51	1	52
Of which whistle-blower cases	-	-	-	-	-	-	-	-	-

3.3 Remuneration

We reward our employees for their work by offering an appropriate package of salary, pension and secondary benefits. To illustrate the difference in remuneration between the highest full-time salary and median fulltime salary at TenneT, we have calculated the ratio of fixed salary (including acquired leave days), variable remuneration and pension benefits.

	2016		
	NL	D	Total
Ratio	7.1	6.9	7.0

3.4 Safety

The safety of everyone involved in our activities – our employees and our contractors – is a top priority. We continually strive for zero work-related incidents and accidents. Our goal is to become a safety leader and to have a pro-active safety culture. We aim to be recognised as such by our own employees as well as by our stakeholders. Our safety performance is presented in the table below.

	2016	2015	2014
	Total	Total	Total
LTIF	3,60	2,20	2,50
TRIR	4,92	6,52	N/A
HRI	25	33	N/A
Fatalities	1	-	-
Investigation index	100,0%	100,0%	N/A

3.5 Health

We help our people to live healthy and active lives, and find a stimulating work-life balance. We offer coaching to our employees in the Netherlands and encourage all employees to join our Committed Power sports programme. The programme is open to employees and their partners and provides training and medical supervision to undertake a challenging activity, such as biking, nordic walking, running or skating.

	2016		2015		2014	
	NL	D	NL	D	NL	D
Sickness rate (%)	3,70%	2,90%	3,50%	2,50%	3,10%	2,10%

	2016			2015			2014		
	NL	D	Total	NL	D	Total	NL	D	Total
Biking	104	65	169	119	69	188	111	52	163
Biking MTB	-	-	-	57	58	115	43	42	85
Nordic Walking	62	65	127	142	99	241	104	79	183
Running	232	208	440	233	192	425	199	157	356
Skating	-	-	-	41	3	44	-	-	-
Total	398	338	736	592	421	1.013	457	330	787



Appendix

2015

Scope 1						
				conversionfactor	emission in ton CO ₂	net emissions in ton CO ₂
lease						
576.842	km	DE	0,000181	ton CO ₂ /km	104	104
13.051.627	km	NL	0,000181	ton CO ₂ /km	2.362	2.362
gas use offices						
3,07	GWh	DE	178,80	tonnes CO ₂ e/GWh	549	549
132.577,69	m ³	NL	0,001788	ton CO ₂ e/m ³	237	
SF ₆ leakage						
187,00	kg	DE	23,90	ton CO ₂ e/kg SF ₆	4.469	4.469
919,00	kg	NL	23,90	ton CO ₂ e/kg SF ₆	21.964	21.964
Scope 2						
electricity use offices						
3,06	GWh	DE	535	tonnes CO ₂ e/GWh	1.637	1.637
4,83	GWh	NL	464	tonnes CO ₂ e/GWh	2.240	
grid losses						
2.803,38	GWh	DE	535	tonnes CO ₂ e/GWh	1.499.809	1.499.809
1.075,20	GWh	NL	464	tonnes CO ₂ e/GWh	498.893	
electricity use in stations						
109,00	GWh	DE	535	tonnes CO ₂ e/GWh	58.315	58.315
19,20	GWh	NL	464	tonnes CO ₂ e/GWh	8.910	
Scope 3						
business and commute						
15.158.618	km	DE	0,000181	ton CO ₂ /km	2.744	2.744
12.589.948	km	NL	0,000181	ton CO ₂ /km	2.279	2.279
air travel						
4.713.995	km	DE	0,000278	ton CO ₂ /km	1.310	1.310
3.544.093	km	NL	0,000278	ton CO ₂ /km	985	985
train						
2.946.164	km	DE	0,000005	ton CO ₂ /km	15	15
954.606	km	NL	0,000005	ton CO ₂ /km	5	5
Total					2.106.828	1.596.548
					ton CO ₂ e	ton CO ₂ e



2014

Scope 1						
				conversionfactor	emission in ton CO ₂	net emissions in ton CO ₂
lease						
465.468	km	DE	0,000181	ton CO ₂ /km	84	84
12.954.228	km	NL	0,000173	ton CO ₂ /km	2.241	2.241
gas use offices						
3,03	GWh	DE	178,80	tonnes CO ₂ e/GWh	542	542
231.855,00	m ³	NL	0,001788	ton CO ₂ e/m ³	415	
SF ₆ leakage						
595,00	kg	DE	23,90	ton CO ₂ e/kg SF ₆	14.221	14.221
814,98	kg	NL	23,90	ton CO ₂ e/kg SF ₆	19.478	19.478
Scope 2						
electricity use offices						
2,80	GWh	DE	560	tonnes CO ₂ e/GWh	1.568	1.568
5,00	GWh	NL	468	tonnes CO ₂ e/GWh	2.340	
grid losses						
1.876,54	GWh	DE	560	tonnes CO ₂ e/GWh	1.050.862	1.050.862
947,10	GWh	NL	468	tonnes CO ₂ e/GWh	443.243	
electricity use in stations						
84,00	GWh	DE	560	tonnes CO ₂ e/GWh	47.040	47.040
17,12	GWh	NL	468	tonnes CO ₂ e/GWh	8.014	8.014
Scope 3						
business and commute						
14.072.511	km	DE	0,000181	ton CO ₂ /km	2.547	2.547
12.416.287	km	NL	0,000173	ton CO ₂ /km	2.148	2.148
air travel						
3.860.998	km	DE	0,000278	ton CO ₂ /km	1.073	1.073
3.780.859	km	NL	0,000187	ton CO ₂ /km	707	707
train						
3.238.699	km	DE	0,000005	ton CO ₂ /km	16	16
761.531	km	NL	0,000039	ton CO ₂ /km	30	30
				Total	1.596.569	1.150.571
					ton CO ₂ e	ton CO ₂ e