



TenneT Holding B.V.

Additional CSR data

CSR data linked to
Integrated Annual Report 2020

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1. About TenneT

1.1. Our stakeholders

Our stakeholders have been determined based on an internal assessment and a validation of the stakeholders identified. This has been assessed based on the degree of effect or influence one has to the other. On a daily basis, we are in contact with our stakeholders and aim to include their considerations where possible, in the policies we make and the actions we take.

In the list below, we have included our key stakeholders identified, which key topics and concerns have been raised in 2020 and where we have addressed this in our reporting, which is in line with GRI102 – 44.

Stakeholder group	Method of engagement	Key topics and concerns raised	Disclosed in IAR chapter
Customers	Informative, close involvement in various areas and contractual agreements	<ul style="list-style-type: none"> • Security of supply • Strategic partnerships and client relations • Driving the energy transition 	<ul style="list-style-type: none"> • Ensure a high security of supply • Solve societal challenges with stakeholders and through partnerships
Debt investors and rating agencies	Close involvement and contractual agreements	<ul style="list-style-type: none"> • Financial health • Responsible supply chain practices • Our own environmental impact • TenneT strategy and Transformation 	<ul style="list-style-type: none"> • Secure a solid financial performance and investor rating • Ensure critical infrastructure for society • Strategy and value creation
Employees	Close involvement	<ul style="list-style-type: none"> • TenneT strategy and Transformation • Safety • Health and development • Diversity and inclusiveness • Talent attraction 	<ul style="list-style-type: none"> • Strategy and value creation • Create a sustainable workplace
Governments, political parties and regulatory bodies	Informative and close involvement	<ul style="list-style-type: none"> • Financial health • Driving the energy transition • Security of supply 	<ul style="list-style-type: none"> • Secure a solid financial performance and investor rating • Ensure critical infrastructure for society • Ensure a high security of supply
Local communities	Local interaction	<ul style="list-style-type: none"> • Stakeholder engagement • Security of supply • Safety 	<ul style="list-style-type: none"> • Solve societal challenges with stakeholders and through partnerships • Ensure critical infrastructure for society • Create a sustainable workplace
Media	Informative and close involvement	<ul style="list-style-type: none"> • Security of supply • Our own environmental impact • Driving the energy transition • Financial health 	<ul style="list-style-type: none"> • Ensure critical infrastructure for society • Create value to transition to a low carbon economy • Solve societal challenges with stakeholders and through partnerships • Secure a solid financial performance and investor rating
Non-governmental organisations (NGOs)	Informative, cooperative, consulting and involvement on project level	<ul style="list-style-type: none"> • Driving the energy transition • Our own environmental impact • Responsible supply chain practices • Talent attraction 	<ul style="list-style-type: none"> • Solve societal challenges with stakeholders and through partnerships • Create value to transition to a low carbon economy • Ensure critical infrastructure for society • Create a sustainable workplace

Stakeholder group	Method of engagement	Key topics and concerns raised	Disclosed in IAR chapter
Other European TSOs	Close involvement	<ul style="list-style-type: none"> • Security of supply • Improving European cooperation and coordination • Sharing of innovation 	<ul style="list-style-type: none"> • Solve societal challenges with stakeholders and through partnerships • Ensure a high security of supply
Shareholders (Corporate and projects)	Close involvement	<ul style="list-style-type: none"> • TenneT Strategy and Transformation • Financial health • Driving the energy transition 	<ul style="list-style-type: none"> • Strategy and value creation • Create a sustainable workplace • Secure a solid financial reputation and investor rating
Suppliers	Market consultations, pre-qualifications, negotiations, meetings	<ul style="list-style-type: none"> • Ensure critical infrastructure for society • Responsible supply chain practices • Safety 	<ul style="list-style-type: none"> • Ensure critical infrastructure for society • Create value to transition to a low carbon economy • Create a sustainable workplace

1.2. Materiality analysis

Our policy is to perform this analysis on a bi-annual basis. This policy has been determined in 2019, as we believe that this provides us with the appropriate amount of insights with respect to the most material aspects related to our policies, actions and reporting. As mentioned in IAR2020, we have redefined our list of relevant aspects in 2019. Here we have reduced the amount of topics as we have clustered certain former topics and we have added and deleted others. For more information refer to the 2019 Additional CSR data document.

1.3. TenneT in the supply chain

In our annual report, we have disclosed information on our supply chain management and the way we are aiming to help suppliers we work with to meet our standards with respect to sustainable business practices. In designing, building and maintaining our assets, we purchase goods and services on a worldwide market, from the Netherlands and Germany to e.g. Singapore. These suppliers relate to either contractors that realise our projects and suppliers that deliver goods directly to for building and maintaining our grid.

Supply chain management is embedded in our policies and procedures in various ways. An important element of this is related to our Supplier Code of Conduct (SCoC), where we have translated our view on sustainable business practices to. We require all our suppliers to comply to the SCoC, if they would like to do business with us. The SCoC includes principles based on UN Global Compact and the International Labour Organisation. To us, being a responsible grid operator doesn't mean that we just focus on what occurs within our own organisational boundaries. We aim to work together with our suppliers in our quest to take more and more responsibility in our supply chain over time. To us, compliance to the SCoC is a minimum requirement and we also monitor this when we tender for goods and services, whether they have complied to this. In addition, we also perform supplier visits to prevent and mitigate potential misconduct that doesn't meet our standards with respect to quality, environmental and social performance. This is internally recorded and monitored and we report our performance in this area in our Integrated Annual Report. Based on these supplier visits, suppliers are informed that they are either accepted, given the opportunity to make improvements or not accepted, which was the case in one instance in 2020. For instance, for new suppliers, they are informed about the results and whether they are accepted as a supplier, before they are allowed to provide goods and services to us. If non-compliances would occur, our policy is to reach out to the respective supplier to discuss this matter and how this can be resolved. By sharing our views and standards with respect to sustainable business practices, we aim to bring this to a higher level, also for our business partners in the supply chain. In the next years, we strive to further develop our policies and procedures in this area and we will communicate our progress on this in our annual reporting.

1.4. Social charters

As TenneT, we have committed ourselves to certain public charters. As mentioned in IAR2020, this relates to the UN Global Compact (we report our progress via a separate report, refer to: <https://www.tennet.eu/nl/bedrijf/mvo-en-duurzaamheid/download-reports/> where we have included our UN Global Compact Communication on Progress report) and the OECD (Organisation for Economic Development) guidelines. In the table below we have included more on where we provide more information on this.

OECD themes	Chapter
Disclosure	More transparency with respect to our policies and activities is disclosed in various parts of our reporting, such as IAR2020, GFR2020 and our website www.tennet.eu .
Human rights	<ul style="list-style-type: none"> • Ensure critical infrastructure for society, Sustainable supply chain practices
Employment and industrial relations	<ul style="list-style-type: none"> • Ensure critical infrastructure for society, Sustainable supply chain practices • Create a sustainable workplace
Environment	<ul style="list-style-type: none"> • Create value to transition to a low carbon economy • Green Finance Report 2020 • Additional Data Document 2020
Combating bribery, bribe solicitations and extortion	<ul style="list-style-type: none"> • - Compliance and integrity • - https://www.tennet.eu/company/compliance/compliance-at-tennet/
Consumer interests	<ul style="list-style-type: none"> • Solve societal challenges with stakeholders and through partnerships
Science and technology	<ul style="list-style-type: none"> • Solve societal challenges with stakeholders and through partnerships, Innovative collaborations to unlock flexibility, Flexibility for the future • Deliver a high security of supply
Competition	<ul style="list-style-type: none"> • Secure a solid financial reputation and investor rating • Governance and Risk Management • Consolidated financial statements
Taxation	<ul style="list-style-type: none"> • Consolidated financial statements

2. Our performance in 2020

2.1. Deliver a high security of supply

As an European TSO, our main task is to secure supply of electricity for the people that live in our serving area. 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. This is one of the main elements of how we as a company create value. Our key performance indicator with respect to this important output is related to the availability of our grid.

2.1.1. Grid availability

In the table below, our on shore grid availability is presented:

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Grid availability	99.9999%	100.0000%	99.9999%	99.9998%	100.0000%	99.9998%	99.9988%	99.9958%	99.9988%
110/150 kV									
Interruptions	3	N/A	-	12	N/A	12	16	N/A	16
Energy not transported	17	N/A	17	10,556	N/A	10,556	1,184	N/A	1,184
220/380 kV									
Interruptions	-	-	-	1	1	2	-	1	1
Energy not transported	-	-	-	156	0.22	156	-	60	60

Our total grid availability (ASAI) is reported as the sum of the availability on the national grids, thereby underestimating the availability for TenneT as a whole. The industry has defined two standard KPIs for grid availability reporting. The SAIDI (System Average Interruption Duration Index) is the average outage duration for each customer served. The ASIDI (Average System Interruption Duration Index) is the average outage duration for interrupted active power flow. Since 2017 TenneT reports according to GRI Standards, which requires more extensive reporting on the identified materials themes. For grid availability this means the SAIDI and ASIDI are reported from 2017.

	2020			2019		2018	
	NL	D	Total	NL	Total	NL	
SAIDI							
110/150 kV	0.27	N/A	0.94	N/A	5.50	N/A	
220/380 kV	-	N/A	-	N/A	-	N/A	
ASADI							
110/150 kV	N/A	N/A	N/A	N/A	N/A	N/A	
220/380 kV	-	-	4.19	-	-	0.06	

2.2. Ensure a critical infrastructure for society

To ensure that we are able to keep our high level our grid availability is at, we are working hard to maintain our current grid and design and build on a daily basis to help shape the future energy landscape to be able to secure supply not only today but also tomorrow. We are proud that we have been able to exceed our budgeted amount of investments and the progress related to that, despite setbacks we have experienced at some of our projects. This results in the critical infrastructure we are operating 24 hours a day, 365 days a year.

2.2.1. Technical data

In the table below, we have included more information with respect to the critical infrastructure we have realised and are maintaining.

Technical data	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Number of substations:									
110/150 kV	289	5	294	288	5	293	289	5	294
220/380 kV	46	128	174	44	125	169	45	123	168
Total number of substations	335	133	468	332	130	462	334	128	462
Number of pylons	12,800	14,608	27,408						
Circuit length:									
Underground total	2,708	2,221	4,929	2,140	2,176	4,316	2,106	1,952	4,058
Overhead total	8,166	10,771	18,937	8,112	10,804	18,916	8,113	10,559	18,672
Total	10,874	12,992	23,866	10,252	12,980	23,232	10,219	12,511	22,730
150/300/450 kV DC	583	1,494	2,077	583	1,495	2,078	420	1,335	1,755
220/380 kV	3,334	10,782	14,116	3,199	10,795	13,994	2,986	10,555	13,541
110/150 kV	6,957	716	7,673	6,915	690	7,605	6,945	621	7,566
Total	10,874	12,992	23,866	10,697	12,980	23,677	10,351	12,511	22,862

2.3. Create a sustainable workplace

Our people are our most valuable asset. 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, grow and to bring the best in them. Over 4,300 employees contribute to our mission to provide a secure and reliable supply of electricity, 24 hours a day, 365 days a year. Next to this, we also make use of contractors, e.g. to help us in realising our projects. We aim to work together with our contractors, for instance when it comes to creating a safe working environment. 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. In our current strategy, we focus on a safe and inclusive working environment and on energising our people. In the tables below, we provide more insight on our diversity and safety focus areas.

2.3.1. Employee data

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
FTE (end of period)									
FTE internal	1,723	2,417	4,140	1,516	2,088	3,604	1,368	1,903	3,271
FTE external	669	357	1,026	663	332	995	604	399	1,003
Total	2,392	2,774	5,166	2,178	2,420	4,598	1,972	2,302	4,274

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount (end of period)									
Headcount internal	1,789	2,532	4,321	1,580	2,188	3,768	1,422	1,987	3,409
Headcount external	1,038	363	1,401	809	336	1,145	726	403	1,129
Total	2,827	2,895	5,722	2,389	2,524	4,913	2,148	2,390	4,538

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount (end of period)									
Permanent contract	1,549	2,166	3,715	1,402	1,904	3,306	1,292	1,741	3,033
Temporary contract	240	366	606	178	284	462	130	246	376
Total	1,789	2,532	4,321	1,580	2,188	3,768	1,422	1,987	3,409

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Permanent contract									
Permanent contract male	1,549	1,713	3,262	1,086	1,533	2,619	1,004	1,399	2,403
Permanent contract female	240	453	693	316	371	687	288	342	630
Total	1,789	2,166	3,955	1,402	1,904	3,306	1,292	1,741	3,033
% male	87%	79%	82%	77%	81%	79%	78%	80%	79%
% female	13%	21%	18%	23%	19%	21%	22%	20%	21%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Temporary contract									
Temporary contract male	178	194	372	137	157	294	98	154	252
Temporary contract female	62	172	234	41	127	168	32	92	124
Total	240	366	606	178	284	462	130	246	376
% male	74%	53%	61%	77%	55%	64%	75%	63%	67%
% female	26%	47%	39%	23%	45%	36%	25%	37%	33%

	2020			2019			2018		
Collective labour contracts	85%	83%	83%	85%	82%	83%	85%	81%	83%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal gender									
Male	1,378	1,907	3,285	1,223	1,690	2,913	1,102	1,553	2,655
Female	411	625	1,036	357	498	855	320	434	754
Total	1,789	2,532	4,321	1,580	2,188	3,768	1,422	1,987	3,409
% male	77%	75%	76%	77%	77%	77%	77%	78%	78%
% female	23%	25%	24%	23%	23%	23%	23%	22%	22%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal by age									
Under 20 years	1	33	34	6	32	38	-	33	33
20-30 years	134	524	658	109	437	546	84	392	476
30-40 years	393	932	1,325	345	793	1,138	316	702	1,018
40-50 years	583	522	1,105	526	457	983	475	418	893
50-60 years	485	438	923	424	389	813	424	360	784
Over 60 years	193	83	276	170	80	250	123	82	205
Total	1,789	2,532	4,321	1,580	2,188	3,768	1,422	1,987	3,409

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal inflow									
Male	233	314	547	185	246	431	122	110	232
Female	84	187	271	56	135	191	35	55	90
Total	317	501	818	241	381	622	157	165	322
% male	74%	63%	67%	77%	65%	69%	78%	67%	72%
% female	26%	37%	33%	23%	35%	31%	22%	33%	28%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal outflow									
Male	78	95	173	82	104	186	57	46	103
Female	30	64	94	28	61	89	13	13	26
Total	108	159	267	110	165	275	70	59	129
% male	72%	60%	65%	75%	63%	68%	81%	78%	80%
% female	28%	40%	35%	25%	37%	32%	19%	22%	20%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal management									
Male	128	47	175	100	116	216	97	110	207
Female	41	10	51	26	17	43	24	14	38
Total	169	57	226	126	133	259	121	124	245
% male	76%	82%	77%	79%	87%	83%	80%	89%	84%
% female	24%	18%	23%	21%	13%	17%	20%	11%	16%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal non-management									
Male	1,250	1,860	3,110	1,123	1,574	2,697	1,005	1,443	2,448
Female	370	615	985	331	481	812	296	420	716
Total	1,620	2,475	4,095	1,454	2,055	3,509	1,301	1,863	3,164
% male	77%	75%	76%	77%	77%	77%	77%	77%	77%
% female	23%	25%	24%	23%	23%	23%	23%	23%	23%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal full-time									
Male	1,256	1,796	3,052	1,112	1,596	2,708	1,010	1,476	2,486
Female	166	440	606	133	342	475	116	307	423
Total	1,422	2,236	3,658	1,245	1,938	3,183	1,126	1,783	2,909
% male	88%	80%	83%	89%	82%	85%	90%	83%	85%
% female	12%	20%	17%	11%	18%	15%	10%	17%	15%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Headcount internal part-time									
Male	122	111	233	111	94	205	92	77	169
Female	245	185	430	224	156	380	204	127	331
Total	367	296	663	335	250	585	296	204	500
% male	33%	38%	35%	33%	38%	35%	31%	38%	34%
% female	67%	63%	65%	67%	62%	65%	69%	62%	66%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Newly hired females at management level	30%	27%	29%	15%	15%	15%	26%	30%	28%

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	NL
Average education costs per employee	2,355	1,766	2,010	2,008	2,180	2,108	2,246	2,092	2,157

2.3.2. 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.

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
Ratio CEO to median	5.3	5.7	5.6	5.5	5.6	5.6	7.1	7.6	7.5

2.3.3. Health

We help our people to live healthy and active lives, and find a stimulating work-life balance. We encourage all employees to join our Always Energy programme, which is open to all our employees and also includes events where their partners are invited to participate. In 2020, this majority of this program needed to be redesigned as the measures to combat the COVID-19 pandemic prevented us to have our programme in the traditional way. Nevertheless, having this programme proved to be perhaps even more needed, as working from home away from the office and ones colleagues provides different challenges to face. That is why the Always Energy programme focussed on both physical and mental health programmes that all colleagues could attend and perform themselves online or offline, at home or outside considering the measures provided by the governments in the areas the colleagues are located. This has resulted in around 130 activities being organised for our employees, related to running, cycling, yoga, mindfulness and other activities related to either mental or physical health. This also includes online workshops and webinars, which was attended by approximately 600 of our employees. Furthermore virtual challenges were organised, where around 300 of our colleagues were motivated to make healthy choices such as a daily walk or attending events to remain connected with other team members.

2.3.4. 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.

	2020			2019			2018		
	NL	D	Total	NL	D	Total	NL	D	Total
LTIF	2.0	5.8	3.2	2.7	6.0	3.6	1.0	3.1	2.4
TRIR	1.0	6.5	4.1	2.7	6.8	4.8	1.3	4.1	3.1
HRI	1	3	4	19	28	47	19	30	49
Fatalities	-	2	2	-	-	-	-	-	-
Investigation index	95%	99%	97%	89%	99%	95%	100%	100%	100%

2.4. Create value to transition to a low carbon economy

As TenneT, we believe that we are able to make a significant contribution with respect to the energy transition. With the knowledge and experience we have gained in more than 20 years of securing supply of electricity to the people that live in the areas we serve, we want to serve society and help shape the future energy landscape. To us, this means that we also want to set the right example ourselves in being a green and responsible grid operator. That is why we have defined ambitions and targets to reduce our own impact with respect to climate, circularity and nature.

2.4.1. Climate

We present our gross CO₂ footprint for 2020, 2019 and 2018 in three scopes: direct emissions from our own operations; indirect emissions related to purchased energy; and indirect emissions related to other purchased goods. Our net 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 2019". The detailed carbon footprint of 2020 is presented below, which includes since 2017 the helicopter and vessel transport to our offshore platforms. The 2019 and 2018 figures can be found in the appendix.

2020

Scope 1			conversion factor	emission in ton CO ₂ e	net emissions in ton CO ₂	Percentage
Lease						
14,049,895	km	DE	0.000163 ton CO ₂ /km	2,290	2,290	0.09%
12,758,727	km	NL	0.000163 ton CO ₂ /km	2,080	2,080	0.08%
Total Lease				4,370	4,370	0.18%
Gas use offices						
7.17	GWh	DE	178.5 tonnes CO ₂ e/GWh	1,280	1,280	0.05%
133,934.50	m ³	NL	0.001785 ton CO ₂ e/m ³	239	-	0.01%
Total energy use office				1,520	1,280	0.06%
SF₆ leakage						
102.11	kg	DE	23.5 ton CO ₂ e/kg SF ₆	2,400	2400	0.10%
994.86	kg	NL	23.5 ton CO ₂ e/kg SF ₆	23,379	23,379	0.95%
Total SF₆ leakage				25,779	25,779	1.05%
Total Scope 1				31,668	31,429	1.29%
Scope 2						
Electricity use offices						
4.35	GWh	DE	0 tonnes CO ₂ e/GWh	-	-	0.00%
6.35	GWh	NL	0 tonnes CO ₂ e/GWh	-	-	0.00%
Total Electricity use offices				-	-	0.00%
Grid losses						
4,208.00	GWh	DE	401 tonnes CO ₂ e/GWh	1,687,408	887,413	68.91%
1,321.69	GWh	NL	476 tonnes CO ₂ e/GWh	629,124	-	25.69%
Total grid losses				2,316,532	887,413	94.60%
Electricity use stations						
197	GWh	DE	401 tonnes CO ₂ e/GWh	79,157	-	3.23%
20	GWh	NL	476 tonnes CO ₂ e/GWh	9,498	-	0.39%
Total Electricity use stations				88,655	-	3.62%
Total Scope 2				2,405,187	887,413	98.23%
Scope 3						
Business and commute						
14,475,000	km	DE	0.000163 ton CO ₂ /km	2,359	2,359	0.10%
8,194,361	km	NL	0.000163 ton CO ₂ /km	1,336	1,336	0.05%
Total business and commute				3,695	3,695	0.15%
Air travel						
703,396	km	DE	0.000278 ton CO ₂ /km	196	196	0.01%
2,502,177	km	NL	0.000278 ton CO ₂ /km	696	696	0.03%
Total air travel				891	891	0.04%
Train						
1,385,011	km	DE	0.000005 ton CO ₂ /km	7	7	0.00%
823,779	km	NL	0.000005 ton CO ₂ /km	4	4	0.00%
Total Train				11	11	0.00%
Offshore transport						
Helicopters						
613,983	l	DE	0.00354 ton CO ₂ /l	2,173	2,173	0.09%
Supply vessels						
1,717,250	l	TenneT Offshore	0.00292 ton CO ₂ /l	5,014	5,014	0.20%
Total offshore transport						0.00%
Total Scope 3				11,785	11,785	0.48%
Total				2,448,640	930,627	100.00%

Grid losses

TenneT's main impact with respect to climate is related to grid losses. Around 95% of the carbon footprint is related to this. 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.

SF₆

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, as this is over 23,000 times more polluting than CO₂.

2.4.2. Circularity

In our CSR ambition plan 2025, we have included our ambition to minimise use of scarce materials, reusing materials and reducing waste in our operations. To this extent, we are currently working on obtaining more insights in the materials we use by means of obtaining material passports from our suppliers and identifying all sources of waste. Based on the insights currently available, we have estimated a range for both metrics. For waste, this relates to the available 2019 data of our German operations and for virgin copper, this relates to the raw material passports currently obtained. We aim to reduce both the use of virgin copper, as well as non-recyclable waste with 25% by 2025.

2.4.3. 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. We aim to collect this data regarding our nature ambition on a periodical basis. The most recent data is collected in 2016, or updated more recent where stated otherwise.

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

2.5. Secure a solid financial performance and investor rating

We notice that there is a growing interest from the investor community with respect to our Environmental Social and Governance (ESG) policies and performance. This growing interest is also visible when it comes to our green bonds and other forms of green financing.

In 2019, Standard & Poor's has performed an ESG evaluation, an assessment of its ability to operate successfully, now and in the future. Standard & Poor's awarded TenneT the classification 'strong', with a score of 83 out of 100. For more information with respect to this evaluation, please read the full [report](#). In 2020, Sustainalytics performed their ESG evaluation and ranked us in the 'low risk' categories, amongst the frontrunners in our sector.

To finance its renewable energy activities, TenneT has developed a Green Financing Framework, which is aligned to the ICMA Green Bond Principles published in June 2018 and the LMA Green Loan Principles published in December 2018. As part of this framework, we have committed ourselves to report on certain performance data with respect to our green financing instruments issued. That is why we publish our Green Finance Report on an annual basis. Here we provide information on the advancement of proceeds and projects, as well as performance information regarding the projects included in the Green Finance portfolio such as the environmental and safety performance of these projects. Our 2020 Green Finance Report is available on our [website](#).