

**Reporting guidance document  
Integrated Annual Report 2021 and  
Green Finance Report 2021**



## Integrated Annual Report 2021 (IAR2021)

We have included the definitions for the following KPIs included in IAR2021, listed in the order of appearance

### At a Glance

KPI	Unit	Description
Internal Engagement Index	%	Employee survey conducted amongst TenneT employees in 2021, where we measure the 'sustainable engagement' of our employees in terms of engagement, enablement and how energised they are.
Reputation survey	%	Refer to 'Solve societal solutions with stakeholders and through partnerships' section below
Total recordable injury rate (TRIR)		Refer to 'Create a sustainable workplace' section below
Absentee rate		Refer to 'Create a sustainable workplace' section below
Female inflow of total inflow	%	Refer to 'Create a sustainable workplace' section below
Grid availability		Refer to 'Ensure critical infrastructure for society' section below
Investments	EUR bio	Refer to 'Secure sustainable financial performance and investor ratings' section below
Percentage greened of our carbon footprint	%	This is the result of the calculation 100% minus (total net carbon footprint/total gross carbon footprint)
Adjusted Underlying earnings before interest and taxes	EUR mio	Refer to 'Secure sustainable financial Performance and investor ratings' section below
Return on invested capital (ROIC)	%	Refer to 'Secure sustainable financial Performance and investor ratings' section below
Underlying net profit	EUR mio	Refer to 'Secure sustainable financial Performance and investor ratings' section below

### How we create value

KPI	Unit	Description
Number of interruptions	#	Number of incidents that resulted in energy not transported in our grid, affecting either generators, consumers or suppliers with affected underlying consumers.
Grid availability	%	Refer to 'Deliver a high security of supply' section
Number of interconnectors	#	A transition line which crosses or spans a border between countries and which connects the national transmission systems of countries.
Investments	EUR bio	Refer to 'Ensure critical infrastructure for society' section below
Absentee rate		Refer to 'Create a sustainable workplace' section below
Total recordable injury rate (TRIR)		Refer to 'Create a sustainable workplace' section below
Total gross carbon footprint	Tonnes CO <sub>2</sub>	Refer to 'Create value to transition to a climate neutral economy' section below
Percentage greened of our carbon footprint	%	This is the result of the calculation: 100% minus (the total net carbon footprint/total gross carbon footprint)
Return on invested capital (ROIC)	%	Refer to 'Secure sustainable financial Performance and investor ratings' section below
Adjusted underlying EBIT	EUR mio	Refer to 'Secure sustainable financial Performance and investor ratings' section below

## Deliver a high security of supply

KPI	Unit	Description
Grid availability	%	Grid availability is the combination of the availability of the national grids. Grid availability (ASAI) is calculated as $1 - (\text{minutes lost} / \text{total minutes in one year})$ . In NL we report the SAIDI, based on interrupted customer minutes and ASIDI, based interrupted active power minutes. In GE we report the ASIDI.
Grid availability (offshore)	%	Based on the ASAI (Average Service Availability Index), the average availability a customer would experience. Scope: only operational systems compliant to section 2.3.2 "Leitfaden zur Ermittlung einer umlagefähigen Entschädigung bei Störung, Verzögerung oder Wartung der Netzanbindung von Offshore-Anlagen" of October 2013, i.e. OWF/ GCP operational period starts at least 4 months after end of soak test. Calculation of the KPIs are in line with IEEE1366. In other words; we report according to the regulatory scheme.

## Ensure critical infrastructure for society

KPI	Unit	Description
Investments	EUR mio	The annual amount realised against the budgeted amount with respect to the investments of our project portfolio.
Number of interconnectors	#	A transition line which crosses or spans a border between countries and which connects the national transmission systems of countries.
Total circuit length	kilometres	The length of the overhead lines and underground cabling (a circuit consists of three phases)
Completed offshore connections	#	The number of offshore connection systems that allow the infeed of offshore wind energy from wind farms.
Number of substations	#	The number of locations where electricity is transformed to another voltage level or where connections cross to transport electricity. At a minimum, there should be a circuit breaker or a power transformer present at the location and either one of these should be controlled or owned by TenneT.
Pylons	#	The number of electricity pylons that are used for the transmission of high voltage electricity

## Create a sustainable workplace

KPI	Unit	Description
TRIR		TRIR stands for Total Recordable Incident Rate, or the number of recordable incidents per million worked hours. The TRIR is calculated as the number of TRI x one million, divided by the number of worked hours. TRI is defined as the sum of fatalities, lost work day cases, restricted work day cases and medical treatment cases. In 2021, we expanded the scope of a medical treatment case which increases the number of incidents included in TRI. Worked hours are defined as the total number of worked hours, based on registered hours or estimated hours and include TenneT staff and contractor staff working on TenneT controlled sites. We use registered hours where possible. Where this is not, we make use of estimates.

		An example of this are our onshore contractor hours where these hours are (Total spend x hour-material ratio) / hourly rate. The hourly rate and hour material ratio is estimated based on historical financial information
Absentee rate		The number of days absent / number of days worked in the respective area.
% of female inflow of total inflow	%	Number of new females hired / total number of hired employees

### Create value to transition to a climate neutral economy

KPI	Unit	Description
Carbon footprint (gross)	Tonnes CO <sub>2</sub>	The summation of all individual contributors to our carbon footprint, without taking greening or compensation into account.
Carbon footprint (net)	Tonnes CO <sub>2</sub>	The summation of all individual contributors to our carbon footprint, with taking greening or compensation into account.
		The carbon footprint based on the grid losses, where a different conversion factor is used for NL and GE, because the grid mix is different.
Grid losses	ton CO <sub>2</sub>	Grid losses relates to energy that's lost while transporting electricity. Every 15 minutes, we compare the total amount of kWh transferred into the grid with the total transferred out, which result in the amount of energy lost. These in- and outflows are electronically measured in 15-minute timeslots at control centres using external meter readings in the grid. The accumulated data is periodically checked and reported on by an independent metering company using validated software. TenneT verifies this data with its metering systems. The completeness of the metering data is determined by a plausibility check. We report according to the regulatory scheme. Where metering is not possible, we estimate data.
SF <sub>6</sub> leakage	% and kilogrammes	The carbon footprint related to our SF <sub>6</sub> leakage, a strong contributor to greenhouse gas emissions. The amount leaked divided by the amount banked. We use the average amount of banked SF <sub>6</sub> in our assets.  The amount of SF <sub>6</sub> leaked is directly recorded by the amount of refills that occur during the year on specific components. Specific maintenance guidelines are in place on the way that these recordings should be made. These refills are reported by the service providers.
Electricity use offices	ton CO <sub>2</sub>	The carbon footprint based on the electricity use of our offices. If available, we use data from the reporting year, sometimes estimated based if not a full reporting year is available. However due to the nature of this information, there might be a time lag and then the usage is based on the previous year and will be restated next year.
Electricity use stations	ton CO <sub>2</sub>	The carbon footprint based on the electricity consumption of our stations for which TenneT has

		100% ownership. The electricity use of our stations is based on the previous year and will be restated next year.
Gas consumption	ton CO <sub>2</sub>	The carbon footprint based on the gas consumption of our offices. If available, we use data from the reporting year, sometimes estimated based if not a full reporting year is available. However due to the nature of this information, there might be a time lag and then the usage is based on the previous year and will be restated next year.
Lease vehicles	ton CO <sub>2</sub>	The carbon footprint based on the amount of km travelled with lease cars.
Travel and transport	ton CO <sub>2</sub>	The carbon footprint based on the amount of kilometres travelled by car, train and plane and transport by helicopter and supply vessel.
Number of environmental incidents	#	Within our stations and lines we have technical equipment that contains oil or cooling liquids. An environmental incident is an incident that impacts the environment (being either air, water or land) and can include an accidental spill (loss of containments) or a leakage of oil. Incidents are reported in our incident management system, iTask.
Oil leakages from cables	Litres	The number of litres of oil leaked from cables. Litres are based on the amount refilled. Due to the complex nature of these leakages, it might be challenging at times to determine whether a refill actually relates to an incident and to find the location of the leakages as these cables are underground, which in some instances can take some time.
Estimated non-recyclable waste and virgin copper	%	The percentage estimated of non-recyclable waste and virgin copper based on the current insights available at the time of publication. When more recent data is available, this percentage will be further updated. Currently we have based our estimation for non-recyclable waste on available waste data of 2020 and used proxy-data when no recent data was available. The data on waste includes insights from our offices, onshore- and offshore operations and onshore projects. The estimated percentage of virgin copper is based on the available raw material passports provided by our suppliers as well as insights on the use of virgin copper in transformers and cables.

### Secure sustainable financial performance and investor ratings

KPI	Unit	Description
ROIC – Return on invested capital	%	Earnings before interest and tax expressed as a percentage of the average invested capital during the year based on 'underlying' information
Adjusted EBIT – Earnings before interest and tax	EUR mio	Earnings for the period before income tax expense and interest payments and adjusted for special items (refer to page 54 IAR2021)
Investments	EUR mio	The total actual amount compared to the budgeted amount invested in our project portfolio.

## Green Finance Report 2021 (GFR2021)

TenneT has committed itself to report on an annual basis towards Green Bond investors, until redemption of the allocated bonds. The reporting will comprise the information included in the table below. Here we have included definitions used in providing quantitative and qualitative performance information. With this we want to report accurate and complete performance information and provide a balanced view of how projects are progressing towards our investors to track the performance of the projects in our green finance portfolio. The table below provides a list of the information included and the definitions applied, listed in order of appearance:

### GFR2021

KPI	Unit	Description
Advancement of proceeds	EUR bio	Allocation of proceeds describes how much of the Green Bond funding has been used to finance or refinance, in part or in full, new and / or existing eligible green projects
Total budget	EUR bio	The total budget of the projects included in our Green project portfolio
Total amount spent	EUR bio	The total amount spent on the projects included in our Green project portfolio
Green project portfolio CAPEX	EUR bio	The total amount of costs capitalised of the projects included in our Green project portfolio
Equivalent number of households able to switch to 100% renewable energy	#	Actual renewable electricity transported from renewable energy sources directly connected to our grid divided by average electricity consumption of either a German or a Dutch household considering the locations of our projects.
Potential avoidance of CO <sub>2</sub> emissions per year	Tonnes CO <sub>2</sub>	The tonnes of emissions CO <sub>2</sub> emissions potentially avoided by connecting green electricity to our grid
Average interruption hours	hours	Average time a customer could not transport electricity.
Number of stakeholder dialogues	#	The number of events where we have interacted with stakeholders with respect to the projects included in our Green Finance portfolio
Lost workday cases, LTIF		LTIF is defined as the number of lost time injuries per million working hours. The LTIF is calculated as the division of the LTI x one million (#LTI x 1,000,000), by the total number of working hours. The LTI is defined as the sum of the number of work related incidents, resulting in fatalities, permanent total disabilities and lost workday cases (LWCs). LWCs are any work-related injury or illness, other than a fatal injury, which results in a person being unfit for work on any day after the day of occurrence of the occupational injury. 'Any day' includes rest days, weekend days, leave days, public holidays or days after ceasing employment. Number of work related incidents is including contractor personnel at TenneT sites. For the working hours, refer to IAR2021 table – TRIR.
Percentage of suppliers committed to our supplier code of conduct	%	The number of suppliers related to the projects included in our Green project portfolio that have committed to TenneT's supplier code of conduct / total number of suppliers related to the projects included in our Green project portfolio
Grid losses	GWh	Refer to IAR2021 table
SF <sub>6</sub> leakage (%)	%	Refer to IAR2021 table
Environmental incidents	#	Refer to IAR2021 table
Eligible green project portfolio	EUR bio	Budgeted amount for the portfolio or portfolio components eligible for Green Bond financing
Controversies		Events like major leaks, heavy accidents, etc.
Transported electricity	GWh	The amount electricity transported to our customers. The data is based on the same

		measurements as described for the grid losses.
Grid availability	%	Refer to GFR2021 table
Avoided CO2 emissions per bond issue	Tonnes CO <sub>2</sub>	The avoided CO2 emissions (based on a tank-to-wheel carbon emission factor) per bond issue, based on the amount spend, amount funded by green bonds and projects funded