



ESG Focus for Investors

December 2024

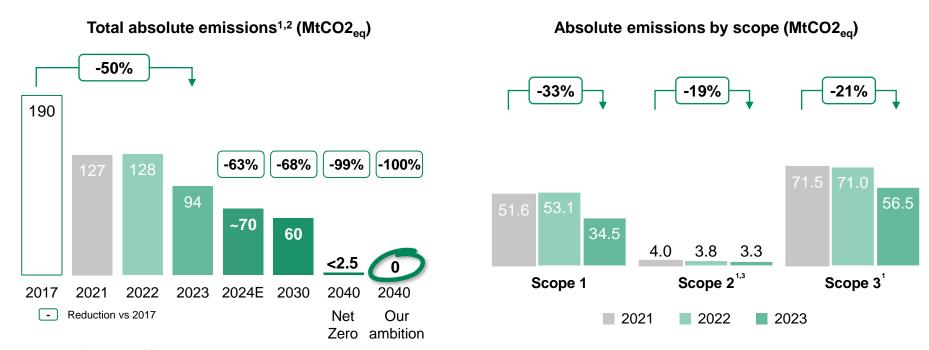
Climate change

Achievements, Strategy and Targets



Total GHG emissions





^{1. 2021} and 2022 restated figures

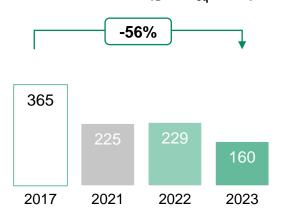
^{2.} Figures include Scope 2 emissions following the "location based" calculation methodology. Figures for Total absolute emissions following the "market based" calculation methodology are: ~129 MtCO2_{en} for 2021, ~129 MtCO2_{en} for 2022 and ~96 MtCO2_{en} for 2023

^{3.} Figures refer to Scope 2 emissions following the "location based" calculation methodology. Figures for Scope 2 emissions following the "market based" calculation methodology are: 5.6 MtCO2_{eq} for 2021, 5.1 MtCO2_{eq} for 2022 and 4.5 MtCO2_{eq} for 2023

GHG emissions targets | Scope 1 generation



Historical trend¹ (gCO2_{eq}/KWh)



Short, medium and long-term targets (gCO2_{eq}/KWh)



No negative emission technologies or offsets will be deployed on the path to the zero-emission goal

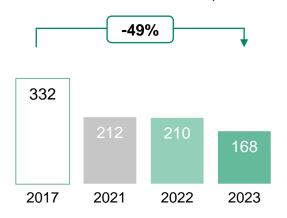
#% Reduction vs 2017



GHG emissions targets | Scope 1&3 Integrated Power



Historical trend^{1,2} (gCO2_{eq}/KWh)



Short, medium and long-term targets (gCO2_{ea}/KWh)



No negative emission technologies or offsets will be deployed on the path to the zero-emission goal

#% Reduction vs 2017

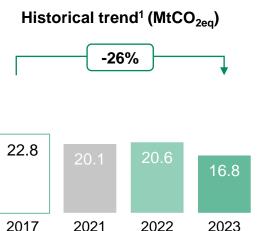


^{1.} Baseline 2017 in line with 2022 SBTi certification

^{2. 2021} and 2022 restated figures

GHG emissions targets | Scope 3 Gas Retail





Short, medium and long-term targets¹ (MtCO_{2eq})



No negative emission technologies or offsets will be deployed on the path to the zero-emission goal

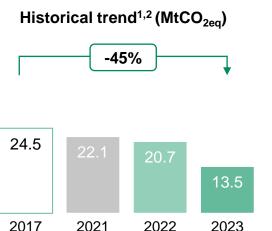
#% Reduction vs 2017



^{1.} Updated the calculation methodology for Scope 3 emissions from gas retail to align the calorific value considered for the natural gas volume sold to end customers with the corresponding IPCC factor, restating the 2017 baseline, 2021, 2022, 2023 actual figures and the corresponding targets

GHG emissions targets | Additional Scope 1, 2 & 3 Emissions





Short, medium and long-term targets (MtCO_{2eq})



Neutralize the residual amount through carbon-removal actions if complete emissions' mitigation is not feasible due to exogenous factors

#% Reduction vs 2017

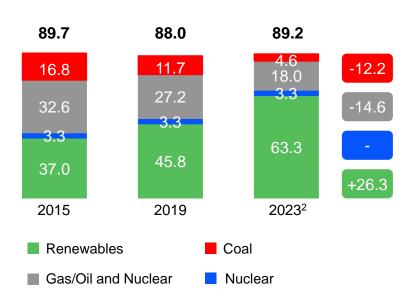


- Baseline 2017 in line with 2022 SBTi certification
- 2. Figures in line with the 2040 target. The figures related to the 2030 target are: 23.1 MtCO2eq for 2017, 18.7 MtCO2eq for 2022 and 11.9 MtCO2eq for 2023
- 3. The target covers specific supply chain categories that accounted for 40% of supplier emissions in 2017
- The target covers all supply categories included in the 2030 target and additional ones, which account for 54% of supplier emissions in 2017

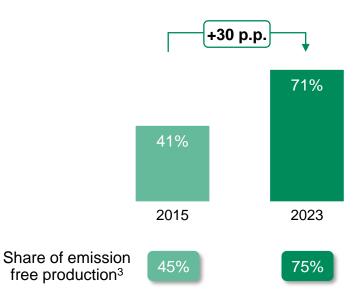
Transition pathway



Capacity evolution by source 2015-2023 (GW)¹



Share of Renewable capacity²



^{1.} Rounded figures. Includes managed capacity

^{2.} It includes renewable managed capacity and BESS capacity

^{3.} Emission free production includes nuclear generation

Avoided emissions



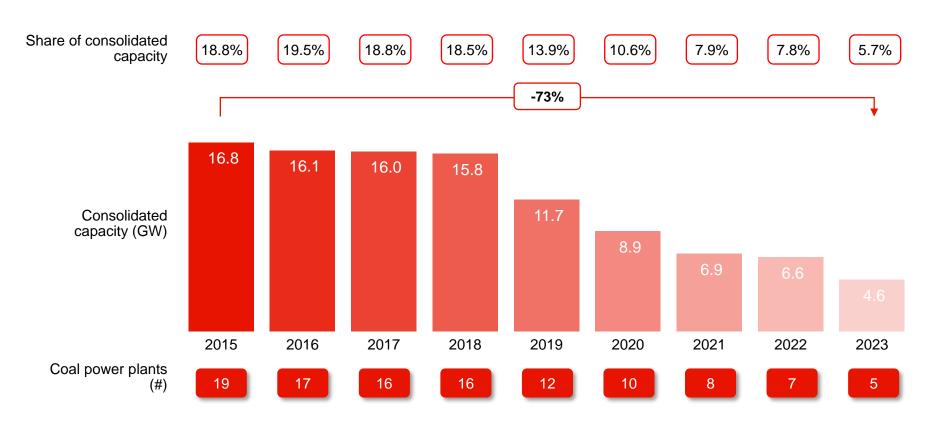
Avoided emissions¹ (MtCO_{2ea})



^{1.} Avoided Group emissions are calculated as the sum of the avoided emissions in the various countries. The resulting value is calculated as the product of the generation of electricity obtained from a renewable or nuclear source and the specific CO2 emissions from the thermoelectric generation of the country in which Enel is present (source: Enerdata)

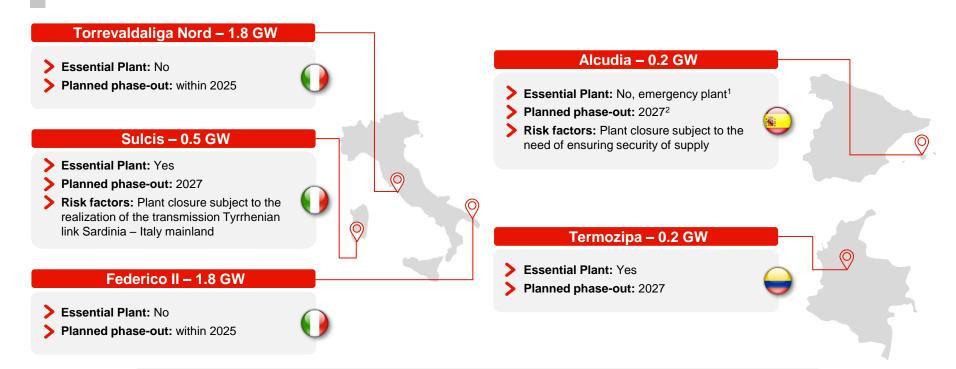
Coal capacity evolution





Sticking to our coal phase-out plan





For these sites and according to its coal phase-out plan, Enel will evaluate new energy projects, in integration with non-energy projects developed by third-parties

Operating positioning to reach short and medium-term enection decarbonization targets

Capex plan aligned with our climate-related targets



>80% 2025-27 capex aligned to EU Taxonomy¹



>90% 2025-27 capex aligned to the SDGs²

		2023	2024E	2027	2030
子	RES capacity on total ³	71%	73%	79%	~85%
CO ₂	GHG free production on total ⁴	75%	83%	86%	~90%
	Unitary consumption (MWh/cl/Y)5	2.65	~2.8	~2.9	~3.5
	Gas volumes (bcm)	8.3	7.5	7.2	5.3
	Distributed generation connections (mn)	~2	2.2	3.4	~6
	Digitalized grid customers	64%	67%	70%	~100%

^{1.} Alignment to EU Taxonomy criteria (Climate change mitigation) 2. SDG 7: renewable generation and power retail; SDG 9: distribution; SDG 11: beyond commodity services and other. All contributing to SDG 13 3. It includes managed capacity and BESS. Share of RES consolidated capacity (excluding BESS): 75% in 2027 and ~ 80% in 2030 4. It includes managed production 5. Power B2C free Italy and Iberia

Our long-term climate strategy: partnering with all our stakeholders in the fight against climate change



Financial Community & Partners



- > Enel capex plan fully aligned with 2040 Net Zero targets
- > Sustainability-linked instruments to finance Enel decarbonization strategy

Planet



- > Exit from coal power generation by 2027¹ & gas power generation by 2040
- > 100% renewable fleet by 2040

Clients



- > Exit gas retail by 2040 pushing on electrification of uses
- > 100% sales from renewables by 2040

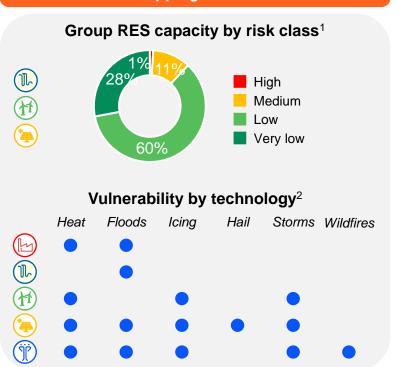
Employees, Suppliers & Communities

- > Decarbonize the supply chain by 2040
- > Dialogue, engagement and collaboration in line with the principles of a just transition

Managing acute physical risks ...

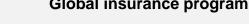


Mapping risks...



...to define action plans

Global insurance programs





- Assets and resulting business interruptions
- Losses caused to third parties

Gross impact from climate events³ (€mn)



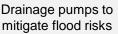
< 0.06% of Group's insured values

Adaptation activities

Vary by technology and assets' features, e.g.:

RESILIENCE







Interventions to increase the robustness of infrastructure

RESPONSE

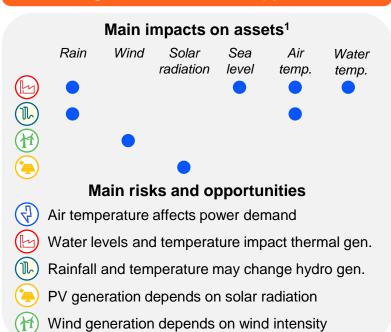
Site specific emergency plans

Global guidelines for critical event management

...while preparing for chronic climate changes



Assessing M/L term risks and opportunities...



...that shape strategies and enhance value

Strategy implementation

- Prioritizing phenomena and scenario analysis: linking scenarios to business operations
- Impact assessments: quantifying the effects at operational, economic and financial level
- Operational and strategic actions: info from previous activities informs Group decisions such as capital allocation and business activities

Economic sensitivity to chronic scenarios

UPSIDE AND DOWNSIDE SCENARIO



EBITDA/year from change in power demand (€mn)

±100-300



EBITDA/year from change in renewable gx (€mn)

±100-300

IPCC² physical climate scenarios considered for both acute and chronic events: RCP 2.6, RCP 4.5 and RCP 8.5

Advocating for climate actions aligned to the Paris Agreement



Direct advocacy

- Enel continuously assesses the alignment of its direct advocacy actions with the goals set by the Paris Agreement
- In accordance with the Group's "Climate change risks and opportunities" policy, the Group's climate advocacy activities are guided by energy transition roadmaps, through which Enel engages a wide range of stakeholders in relation to the actions needed at the national level to pursue the goals of the Paris Agreement
- Through the energy transition roadmaps developed for each country where the Group operates and updated in line with any changes in regulatory, technological and market dynamics - Enel promotes NDCs (Nationally Determined Contributions) that fully reflect the highest possible climate ambition and are fully in line with the requirements of the Paris Agreement

Indirect advocacy

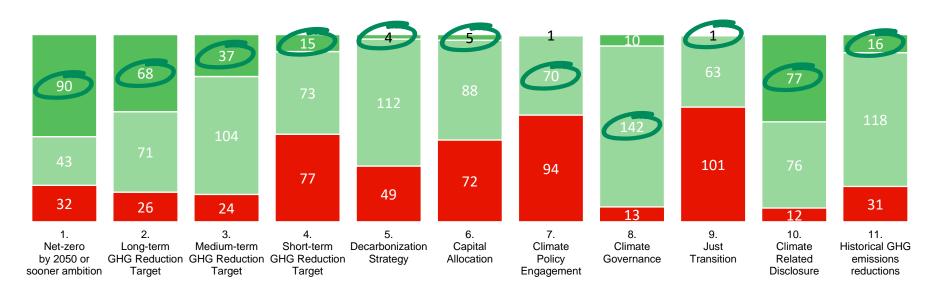
- Enel discloses the list of all the main associations it collaborates with on climate related issues and their level of alignment with the Paris Agreement¹
- Enel systematically verifies that the positions of such associations are consistent with the Paris Agreement and the Group's climate policies, before and after joining the association
- In case the level of alignment with the Paris
 Agreement for an association result to be "low":
 - Enel raises the issue within the association and initiates an in-depth discussion with the aim of improving the alignment
 - If the assessment is "low" for two consecutive years, the CEO will assess possible counteractions which may also include the decision for Enel to leave the association

^{1.} The assessment is carried out on the basis of six main dimensions: Climate Science, Climate Policy, Carbon Pricing Climate Policy, Communication, Energy Transition & Zerol 5 Carbon Technologies. The alignment of the association to the Paris Agreement can be: high, medium/high, medium, low.

Climate Action 100+ Net Zero Company Benchmark



Enel is the best performer among all the companies in the Net Zero Company Benchmark¹



Enel Score

- PARTIAL: At least one (not all) metrics for a sub indicator or indicator is Yes
- NO: All metrics for a sub indicator or indicator are No.

YES: All metrics for a sub indicator or indicator are Yes

Natural Capital The flip side of climate



Environmental Sustainability | Nature



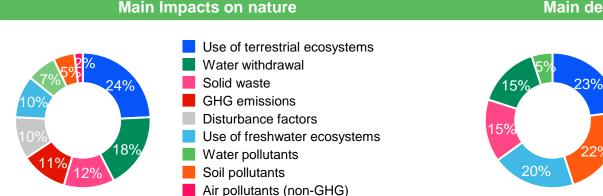
Framework

- **Environmental Policy:** Meeting legal requirements and protecting the environment, covering the entire value chain
- **Biodiversity Policy:** Alignment with the Kunming-Montreal Global Biodiversity Framework
- > Biodiversity Guidelines: Definition of principles and procedures for managing impacts on biodiversity during the life cycle of plants

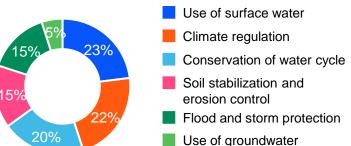
Disclosure

> Result of cooperation with TNFD and SBTN, among others

Identification of main impacts and dependencies



Main dependencies from nature



Environmental Sustainability | Biodiversity



Enel's roadmap on biodiversity conservation in line with the Kunming-Montreal global biodiversity framework.

The Biodiversity Policy foresees the application of the Mitigation Hierarchy Principle in all project phases

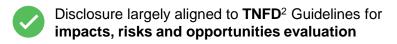
Enel's commitment

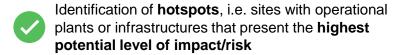
- No Go in UNESCO World heritage natural site areas¹
- No Net Loss on selected projects in high biodiversity areas starting from 2025
- Biodiversity No Net Loss for new infrastructures by 2030
- No Net Deforestation by 2030

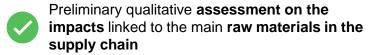
Expected % of built No Net Loss plants in 2027³

40%

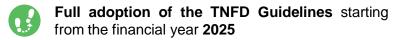
Achieved so far

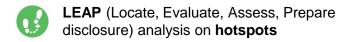


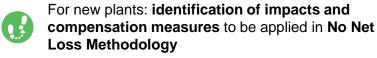




Next steps







^{1.} Commitment related to new generation infrastructures

^{2.} Taskforce on Nature-related Financial Disclosures

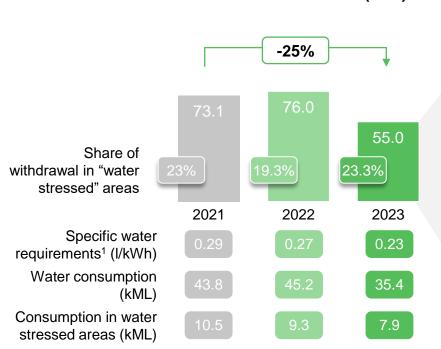
^{3.} Calculated as the ratio between the number of No Net Loss achieved plants and the number of total plants. Based on 2027 expected built additional capacity

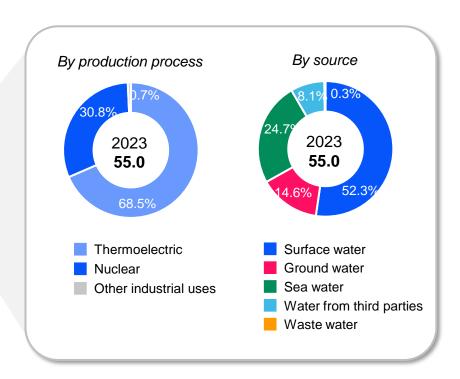


Environmental Sustainability | Water



Total water withdrawal (kML)





^{1.} Specific water needs are constituted by all the water withdrawal quotas from surface (including recovered rain water) and groundwater sources, by third parties, from the sea and from wastewater (quota for third party procurements) used for processes and for closed-cycle cooling, except the quota of seawater discharged back into sea after the desalination process (brine). This latter item (brine) contributes to the quota of total withdrawals

Environmental Sustainability | Water



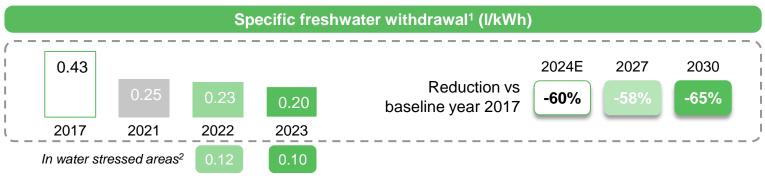
Enel applies an integrated approach for optimal management of use of water resources and their protection

Water quality conservation

Downstream of internal **recoveries and reuses**, wastewater discharged from the plants is returned to the surface water body. Discharge always takes place downstream of a **treatment process** that removes any pollutants present to a level where they will **not** have a **negative impact** on the receiving **water body**, in compliance with the limits provided for under national regulations and by operating permits

Strategic goals

Enel is constantly monitoring all its production sites located in water stressed areas to ensure that water resources can be managed efficiently



^{1.} Ratio between: a) all the freshwater withdrawal quotas from surface, groundwater and third parties and b) the total production

^{2.} The "water stressed" areas are classified based on WRI Aqueduct Water Risk Atlas 3.0



Natural Capital | Air Quality, Pollutants and Waste



					Reduction vs baseline year 2017
,	2017	2021	2022	2023	2024E 2027 2030
SO ₂ Specific Emissions (g/kWh)	0.36	0.07	0.07	0.09	-72% -75% -85%
NO _x Specific Emissions (g/kWh)	0.55	0.35	0.32	0.26	-56% -55% -70%
Dust Specific Emissions (g/kWh)	0.013	0.005	0.005	0.006	-56% -54% -60%
Total waste produced (mn t)	6.7	3.1	3.4	3.3	-54% -55%
Waste sent for recovery (%)	N.A.	85.3	84.4	85.3	
Hazardous Waste (%)	N.A.	2.1	1.7	2.1	

Employees, Suppliers, Communities and Customers

Ensuring progress across the value chain





Human Rights | Our commitment



Enel's Commitment

Enel's Human rights Policy

Last **updated in 2021** to take into account the evolution of international frameworks, including:

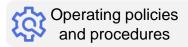
- The International Charter of Human Rights and in the International Labor Organization Conventions
- > The United Nations Guiding Principles on Business and Human Rights
- > The OECD Guidelines for Multinational Enterprises
- > The 10 principles of the UN Global Compact, of which Enel is an active member

Focus on:

> Employment practices

> Relations with communities and society

Embedded in





Training





Human Rights | Our due diligence process



Involvement of both internal and external stakeholders, with the aim of identifying if any of our operating procedures and processes require an improvement plan to ensure adherence with the commitments undertaken in our Human Rights Policy

Assessment of the perceived risk

> Identification of salient human rights issues to better understand where to focus our efforts and resources, through consultation with the relevant stakeholders

Identification of potential gaps

Assessment of our operating and risk monitoring processes and identification of any potential shortfall

Improvement plans and monitoring

Definition of the necessary remedies to tackle the residual risk identified in the gap analysis and implementation of the actions





Human Rights | Access to remedy



Grievance mechanism

- Whistleblowing channel available to internal and external stakeholders
- Several processes and tools available to the communities in the influence area of our operations
- Customer complaints or information channels

Whistleblowing channel and stakeholder reporting

SENDING A GRIEVANCE

Maximum
confidentiality and
anonymity is
guaranteed to every
stakeholder.
Stakeholders may
send grievance
through physical and
online channels¹

ANALYZING A GRIEVANCE

The Audit Function receives and analyzes the grievance and activates the necessary verifications

ACTING UPON AN EFFECTIVE VIOLATION

Should a violation be ascertained, the relevant corporate functions define the necessary actions and specification plans, if necessary

MANAGEMENT AND MONITORING

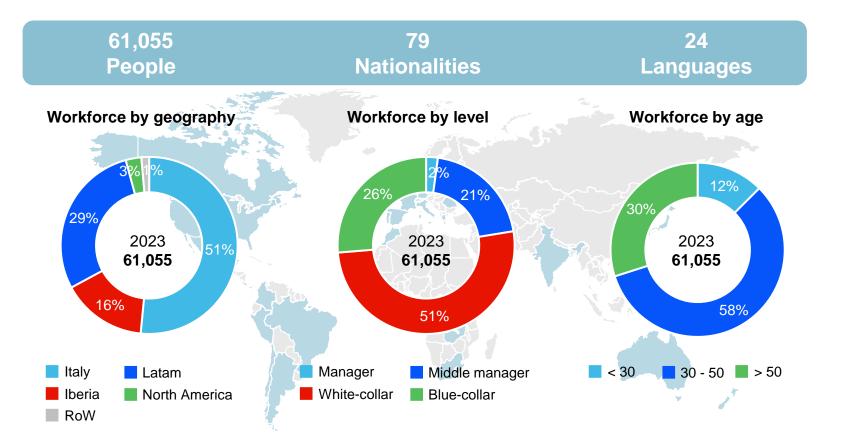
The Group has in place an information system to manage and monitor grievance received and ascertained violations

The Audit function reports violations that have emerged from stakeholder reports:

- > To the Control and Risk Committee, the Chairman of the BoD and the CEO of Enel SpA, who determine whether to report the most significant cases to the BoD
- > To the **corporate bodies** of direct and indirect **subsidiaries** for issues within their remit

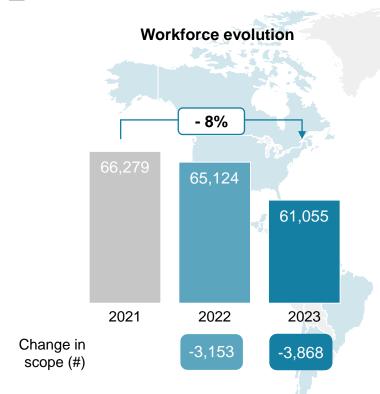
Workforce overview

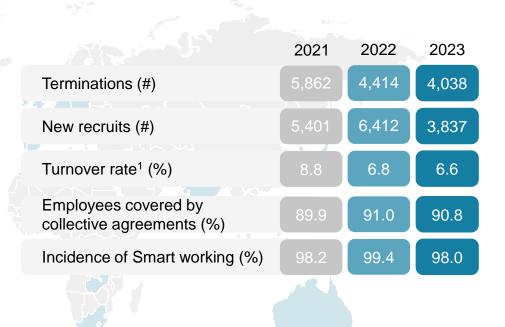




Workforce evolution

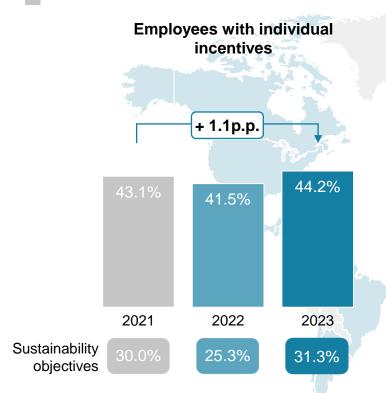






Welfare





	2021	2022	2023
Pension Fund Membership (%)	81	81	87
Life insurance (%)	88	89	99
Medical insurance (%)	93	94	99
Additional parental measures ¹ (%)	94	94	99
Child support initiatives (%)	84	84	95
	- A 100 h		

Training

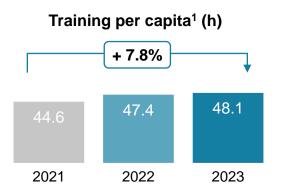


2023

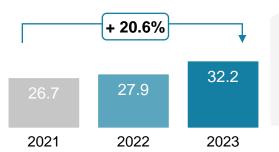
30.3

2022

30.6



Training per capita on sustainability² (h)



Training on anti-corruption policies and procedures communication (k)

Training on sustainability (k h)

1,244 Safety 1,452 431 480 Digitalization Environment 32 28 Code of Ethics 11 Human rights 9 Other³ 128 114

2021

^{1.} Total training hours were: ~2.9 mn in 2021; ~3.2 mn in 2022 and ~3.1 mn in 2023 2. Total training hours on sustainability were: ~1.8 mn in 2021; ~1.8 mn in 2022 and ~2.1 mn in 2023 3. It includes training relating to privacy, anti-bribery, community relations and diversity

Just Transition | Enel people



Plan

Social dialogue, social protection and wage guarantees in line with ILO standards¹

Engagement

Social dialogue and listening

Lines of work

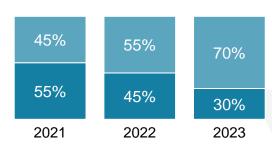
Transition out

Upskilling/reskilling, redeployment, knowledge sharing, retirements²

Transition in

Upskilling/reskilling to green jobs and digital

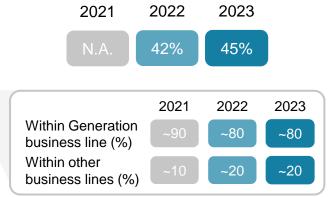
People leaving coal power plants



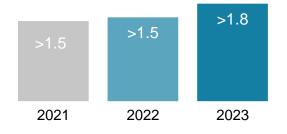
Redeployed and attended upskilling/reskilling programs

Retired/early retired

Upskilling/reskilling on overall training



Provisions to managing Enel people affected by the energy transition³ (€bn)





Diversity and Inclusion



Inclusion means enhancing and expressing the unique mix of talents, skills, aptitudes, visible and invisible aspects of each of our people, to ensure well-being and motivation, bringing out the unexpressed potential within the organization and thus contributing to growth

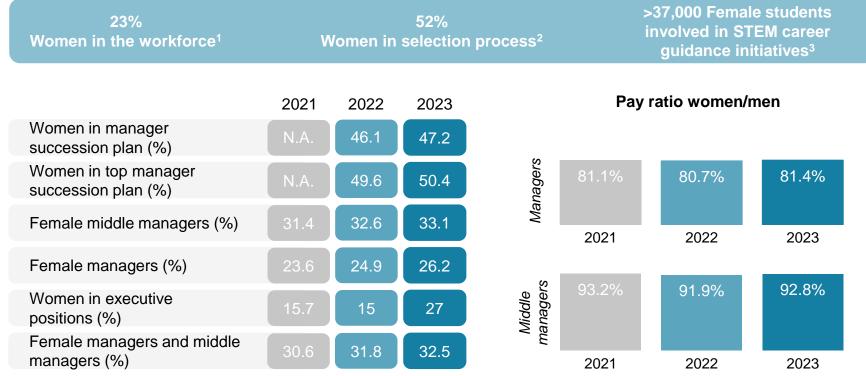
	2021	2022	2023
Disabled or belonging to protected categories (%)	3.2	3.3	3.4
Global inclusive travel adoption ¹ (%)	N.A.	47	88
Intercultural initiatives ² (# countries)	N.A.	7	9





Diversity and Inclusion | Gender Equality





^{3.} In the last 7 years: 7.800 in 2023; almost 10,000 in 2022



Diversity and Inclusion | Enel people



Purpose

Enel has a clear commitment to respecting diversity, inclusion, and equal treatment and opportunity, to guaranteeing the right to working conditions that are respectful of personal dignity as well as creating a working environment where people are treated fairly and valued for their uniqueness

Empower the growth and increase representation of women in the organization

Female managers and middle managers (%)

Female middle managers (%)

Female managers (%)

2024E 2027

32.7 >33.5

>34

26.7 >27

33.4

Promote initiatives to spread intercultural inclusion culture

Intercultural initiatives² (# countries)

10

2024E

11

2027

Initiatives to increase inclusion of different ethnicity and raise awareness on diversity (workshops, training programs and communication campaigns)

^{1.} Selection processes involving blue collars, or similar technical roles, and related to USA and Canada perimeter are not included as a result of local anti-discriminatory legislation which does not allow gender to be 34 monitored in the recruiting phase 2. # of countries of implementation of such initiatives

Sustainability and Innovation in the Procurement Process | Suppliers and Contractors





Qualification

- Based on Product Groups, to which a determined level of risk is associated
- > Assessment on:
 - Legal/reputational aspects
 - Economic/financial aspects
 - Human Rights, Health & Safety, Environment
- For the highest risk PGs, an on-site assessment is mandatory for Health & Safety and environmental issues
- Qualified suppliers enter Enel's supplier register for 5 years
- Qualification commissions (at country level) oversees the qualification, as well as possible suspensions



Tendering

- The process includes mandatory sustainable requirement and sustainability Ks (incentive factors)
- Suppliers need to ensure that the entire supply chain complies with:
 - The ILO and UN Global compact's principles
 - Enel's Human Rights Policy, Code of Ethics, Zero Tolerance of Corruption Plan
- ➤ Go Zero Dashboard calculates supply chain emissions and reduction curves to 2030 and 2040¹
- Suppliers of core categories² need to map the geographical areas of extraction and production of each individual material/component

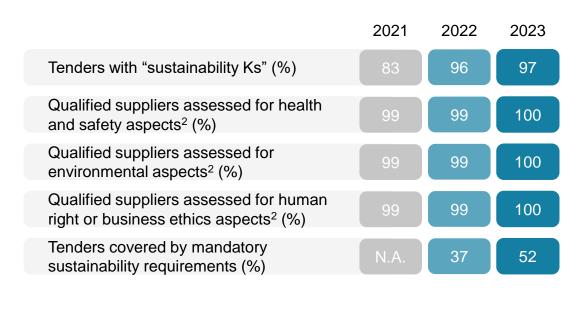
Q,

Monitoring

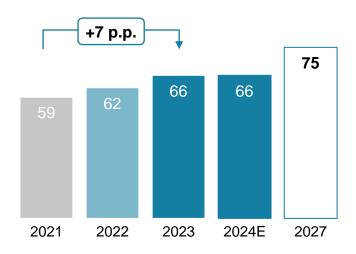
- Registered suppliers are monitored on reputation and financial aspects
- For suppliers with an active contract, Health & Safety and Environment monitoring is performed through field inspections
- The Evaluation Group (HSEQ Function, Procurement, Legal Function and the Business Lines) evaluates possible consequence measures which includes application of penalties, assignment of an improvement plan, suspension and termination of the contract.

Sustainable Supply Chain





Supplies' value covered by Carbon Footprint Certification (%)



Tenders amount covered by ranking / target based on carbon footprint values (%)



^{1.} Indicator update in 2023. Previously, the KPI was expressed in terms of "Supplies' tenders amount covered by ranking/target based on carbon footprint values (%)", and the value for 2022 was 68%.

The percentage is calculated considering the total number of suppliers with valid qualification at the end of the year and does not include large players and subsidiaries of related industry groups. Paul



Health & Safety



To identify hazards, assess qualitative and quantitative risk, plan and implement preventive and protective measures

Set up with representatives of labor organizations, to establish initiatives together with Enel representatives to improve H&S in the workplace



Field inspections defined based on a **risk** data-driven approach to verify behaviors, culture and implementation actions, on both Enel and Contractor personnel to ensure continuous improvement

Structured following **data analysis**, new Policies or Procedures, and **improvement actions** arising from the analysis of injuries that occurred during the year

Adopting innovative technologies is an important operational lever for mitigating and managing safety risk and is **fundamental for further reducing work injuries**. Enel follows a risk management approach, starting with an analysis of the context in which it is intended to intervene, **based** also **on accident data**, with the aim of **eliminating**, or at least **reducing**, the **probability of an event occurring**



Health & Safety

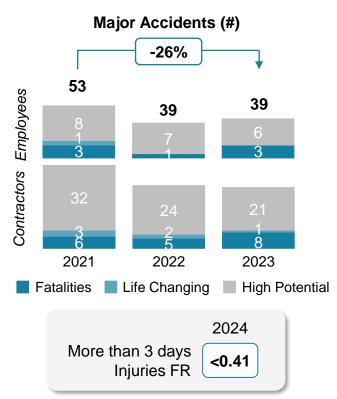


Employees and contractors combined

	2021	2022	2023
Total Recordable Injuries FR ¹	2.86	2.25	1.88
Lost Time Injuries FR ²	0.65	0.50	0.61
More than 3 days Injuries FR ³	0.43	0.36	0.50
High Potential Accidents FR	0.094	0.072	0.070
Life Changing Accidents FR	0.009	0.005	0.003
Fatalities FR	0.021	0.014	0.029

FR = Frequency Rate (injuries over millions of hours worked)

^{3.} Accidents with more than three days absence Employees' injuries: 61 in 2021; 59 in 2022; 71 in 2023. Contractors' injuries: 119 in 2021; 93 in 2022; 123 in 2023



^{1.} Employees' injuries: 157 in 2021; 153 in 2022; 176 in 2023. Contractors' injuries: 1,055 in 2021; 809 in 2022; 550 in 2023

^{2.} Accidents with at least one day absence



Engaging communities



Context analysis and stakeholders' identification

- Collection and analysis of socio-economic and environmental data
- Identification of stakeholders in the area of influence
- Analysis of the type of relationship that can be created between Enel and mapped stakeholders

Proactive consultation

- > Free, preventive, informed, adapted to the local context, bidirectional and well documented, in line with international reference standards¹
- > Involvement of independent third parties in negotiation processes because of their expertise in the area

Grievance mechanism

Channels available to any person, based on tools and means available at the local site: local teams or specific people, toll-free numbers, the internet, local leaders willing to collect all possible complaints periodically (in the case of isolated rural communities)

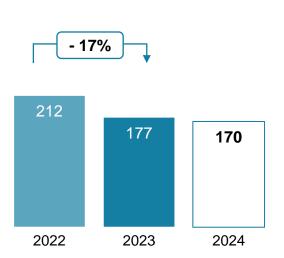
Ongoing dialogue

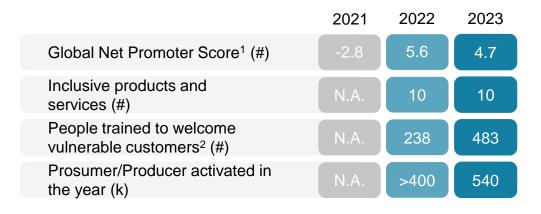
> Sharing relevant information about the project with affected stakeholders, to promote transparent and collaborative relationships

Customers satisfaction and management



Commercial claims (#/10k customers)





In 2023 Enel supported the creation of 6 RECs (Renewable Energy Communities)

Growth accelerators

Supporting progress of sustainability



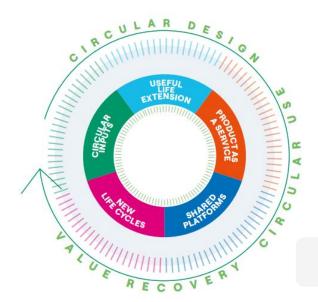


Circular economy



Circular Economy is a strategic lever for Enel with the aim of decoupling its business activities from raw materials consumption and waste generation

Enel's circular economy pillars



Main circular levers

- Design and input materials Reduce the need for new resources, especially critical ones (e.g. material substitution, redesign, use recycled inputs)
- New models for asset use Extend products life (e.g. through design, maintenance, regeneration)
- New life cycle Recover and reintroduce raw materials at the end of the life (e.g. recycling, reuse)

Technological innovation and a circular approach allow to minimize pressure on materials critical for the energy transition, thus reducing risk¹



Circular economy | Focus Wind





Inputs Material

Main materials used:

Steel Fiberglass Copper

per Aluminium



Useful Life

- > 25 years average lifetime
- Expected volume at end of life considering the installed capacity¹:



New Life Cycle

- Current recyclability ~85 % (steel, aluminum, copper already fully recycled)
- Estimated recyclability at 2030 ~92% (improvement in the recycling of fiberglass)

Key initiatives (examples)

Wind repowering and new life program



Life extension of wind farm (e.g. in Italy and Spain) through repowering also in order to increase energy production and identification of New Life strategies for recovered components using reuse/recycling/reselling business models

Recycling plant for wind blades



Collaborate with specialized Partners to support the development of ecosystem aimed at reusing recycled fiberglass back into several industrial sectors (e.g. insulating panels, distribution cabinets)

43 1. September 2024

Circular economy | Focus Solar





Inputs Material

Main materials used:

Aluminium Glass Copper Polysilicon Silver



Useful Life

- > 25 years average lifetime
- No significant volume at the end of life expected before 2040 considering the installed capacity¹



New Life Cycle

- Current recyclability ~80/85% (steel, aluminum, copper, glass already fully recycled)
- > Estimated recyclability at 2030 ~90% (improvement in the recycling rate of precious materials such as silver)

Key initiatives (examples)

Supply chain traceability



Collaboration with suppliers and external organizations to facilitate the tracking of the value chain with a focus on key raw materials and improve their sustainability from an environmental and social point of view

PV recycling



To further improve PV recyclability, Enel is collaborating on innovation projects with the aim to identify a suitable treatment for the recovery of precious materials reaching a total recycling rate of 90% or more

1. September 2024



Circular economy | Focus BESS





Inputs Material

Main materials used:

Lithium Grafite Iron Phosphorus Aluminium Copper



Useful Life

- > 15 years average lifetime
- No significant volume at the end of life expected before 2035 considering the installed capacity¹



New Life Cycle

- Current recyclability ~75% (steel, copper fully recycled)
- Estimated recyclability at 2030 ~85% (improvement in the recycling of cells material)

Key initiatives (examples)

Pioneer project (2nd life for batteries)



Development with ADR - Aeroporti di Roma at Fiumicino Airport (Italy) of a storage system with a capacity of around 10 MWh reusing around 780 end of life battery packs from electric vehicles

Battery recycling



45

To further improve Battery recyclability, Enel is collaborating with specialized Partners to identify a suitable treatment for the recovery of precious materials to recover precious materials as cobalt, nickel, lithium

1. September 2024



Circular economy | Focus Grids equipment





Inputs Material

Main materials used:

Steel (e.g. transformers, poles)
Aluminium (e.g. cables) Copper (e.g meters)

OG

Useful Life

- Specific for each component (e.g. 15/20 years for meters, 40 years for transformers)
- In 2023, approximately 60 ktons of end-of-life materials and components mainly relating to network maintenance/upgrade activities were sent to recovery



New Life Cycle

Current recyclability >90% (steel, aluminum, copper already fully recycled)

Key initiatives (examples)

Sustainable infrastructure



Model applied to new assets, along the whole value chain, starting from the design phase, for mitigating impacts related to materials consumption, waste production, etc. through the implementation of specific solutions (e.g. use of recycled materials, earths and rocks recovery)¹

Grid mining



Global program applied to end-of-life network components to maximize the recovery of precious metals and other materials from obsolete infrastructure, to minimize environmental impacts, maximize local social benefits and create economic value

Innovation projects samples



Long Duration Energy Storage

Technology portfolio differentiation to compete in upcoming 8 hours energy storage:

- > Vanadium flow battery plant (1.1 MW) under commercial operation @Majorca
- Non-lithium battery solution under testing @Enel Catania Lab; large scale project development and permit started
- > Additional electromechanical solution under assessment to compete in pumped-hydro tender pool



Nuclear alliance

- The European Industrial Alliance on Small Modular Reactors (SMRs) aims to facilitate and accelerate the development, demonstration, and deployment of SMRs in Europe by the early 2030s
- > Enel working group leader for: Supply chain (Tech provider and operators) and Nuclear safety and safeguards (SMR Pre-licensing activities)
- > Follow up of new technologies and Generation IV Reactors



Snow water equivalent

The aim of the project is obtaining estimates of the snow water equivalent (SWE) and the snow depth (SD) of the snowpack in near real time over the entire Alpine and Apennine range, to reduce exposure to natural water variability and promote the development of space applications to support energy security and economic and environmental sustainability



Space Economy

- Low orbit satellite communication: first adoption in 2024 of industrial solution to provide extended connectivity in remote areas (power plants and grids infrastructures)
- > Space generation and transmission: SOLARIS is an ESA program to study space based solar generation with orbit solar PV with transmission for terrestrial application. Enel partnering with Thales Alenia Space. ESA timeline: 1MW pilot plant in orbit by 2030, Real plants 1GW by 2050



Innovation projects samples



Biodiversity safeguard

> The aim of the project is to avoid impacts on wild birds' life in wind farms and to foster a biodiversity-friendly renewable energy. Camera and radar sensors are able to detect (Al module) and to deter (visual or acoustic) the birds and to automatically shut-down the wind turbines, in case of risk. Fatal impacts' reduction means to avoid wind turbines stop (profit loss) and penalties of Environmental Authorities.



Grids' digitalization and diagnostic

Quantum Edge Devices (QED), integrates 'Edge Computing' for automatization of secondary substations. It enables digitization, virtualises physical components, improves O&M costs and reliability. 2500 components in field in Italy by 2025



Phasor Measurement Units (PMU) to be integrated into the QED to health monitoring and faults prevention



- > Skybot, robot operating at height and under power, remotely piloted that executes maintenance and construction tasks on the electrical grid. Field test ongoing in Italy
- > e-lectra is a voice assistant that enables fast and easy access to a wide range of information on Enel's platforms, with no need to remove the gloves to consult the APPs. Full Adoption in Italy by 2024
- **Ladder equipped** with new safety systems: stabilizers,anti-fallsystem with anchor point, safety guiding line, allowing also emergency recovery.
- **New clothing** highly comfortable, breathable and made from recyclable materials. PoC completion by 2024, extended implementation in 2025



Innovation projects samples



Al for Wholesales and Trading Use of Machine Learning and Artificial Intelligence to support Energy Management Business by improving forecasting models. Principal projects are focused on predicting different commodities prices and market dynamics.

The main objective is to optimize hedging and trading activities



Al for Weather Forecasting

> Weather forecasts are a key strategic component of the dynamics of energy markets, and they affect: the demand for all commodities, the production of energy from renewable sources, the price of energy Improving weather forecasts using AI in a short and medium-term horizon to optimize production portfolios and develop internal know-how



Al in Control Room > Support Wind and Solar control room operators with Artificial Intelligence, increasing effectiveness, productivity and safety of operations.

Supporting operators in their daily activity means reducing wind turbines downtime, increasing renewable energy production. It also means increasing operators' time dedicated to added value activities



Al for Asset Management

- Boosting of vegetation management, leveraging satellite image analysis to predict grid collision risk, optimise cutting and improve disaster recovery process in case of extreme events
- **Predictive maintenance algorithms** based on already available data on different network components, in order to facilitate **emergency restoration**



Cyber Security



Cyber threats are continuously increasing in sophistication and frequency worldwide. Cyber security is needed to ensure that the Group is able to effectively conduct its business. With the aim of addressing, managing and reducing cyber risks, the Enel Group has defined and implemented a coherent Cyber Security Framework and an effective Organizational Model

Cyber Security Framework

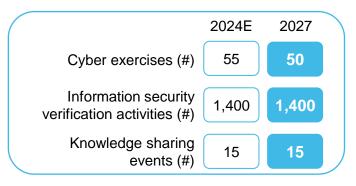
The **Policy**, adopted in 2017, **addresses the principles and operational processes** that support a global strategy of cyber risk analysis, prevention and management. Such Framework is **fully applicable** to the complexity of regular Information Technology (**IT**), industrial Operational Technology (**OT**) and Internet of Things (**IoT**) environments

Cyber Security Governance and Structure

- > Cyber Security Committee: addresses/approves the Group cyber security strategy and periodically checks the progress of its implementation. Chaired by the Group's CEO and made up of his/her front lines
- > Cyber Security Unit: committed to guarantee governance, direction and control of cyber security topics. The Head of Cyber Security unit, which is also the Enel Group CISO, directly reports to the Head of Security Function and to the Head of Global ICT Function (CIO), as part of Global Service Function.
- Cyber Emergency Readiness Team: to protect the Group's employees and assets, promoting a proactive approach based on "incident readiness" rather than "incident response". Operates through Incident Response, Threat Intelligence and Information Sharing

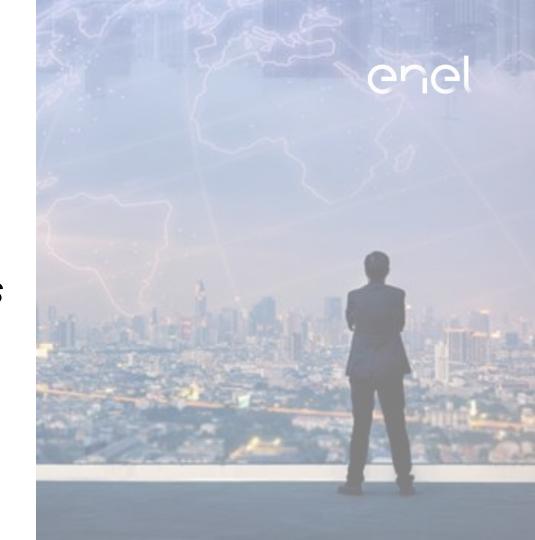
People Cyber Empowerment journey

An Awareness Development Program and Anti-Phishing Program that allow Enel people to be the first line of cyber defence



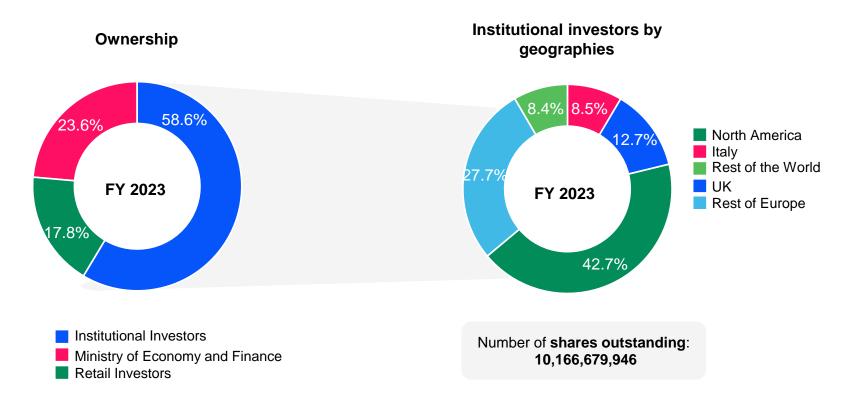
Corporate Governance

Ensuring effectiveness of decision making



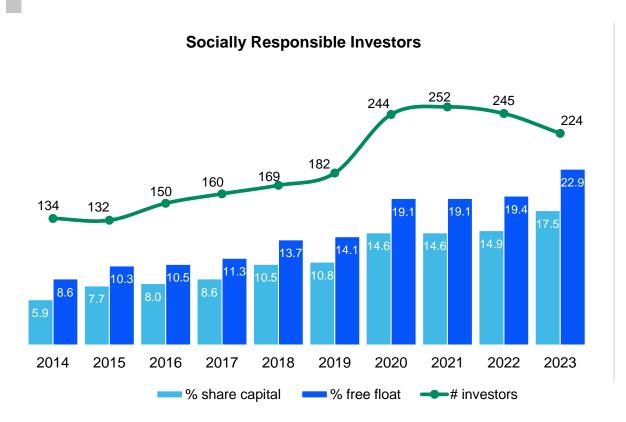
Shareholders' composition



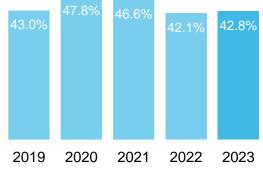


Shareholders' composition



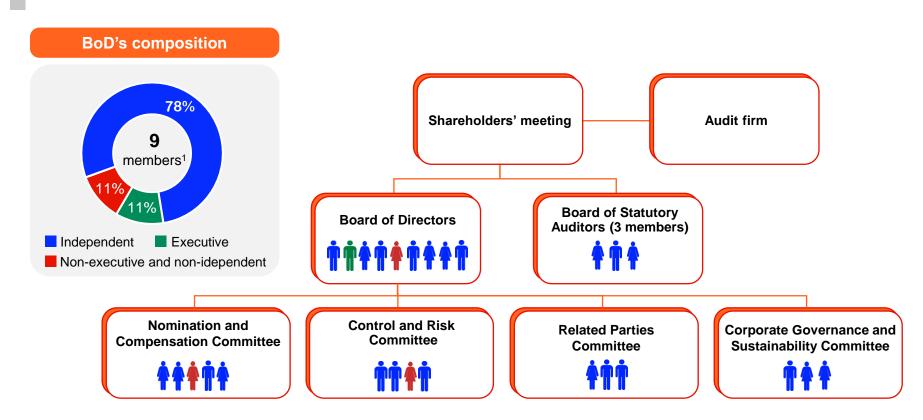






Corporate Governance Structure





Board nomination and election



BoD's Members

Enel's Board of Directors consists of three to nine members who are appointed by the ordinary shareholders' meeting for a term of up to three financial years

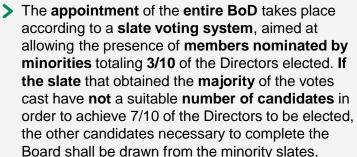


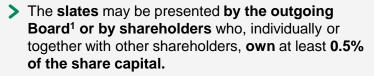
In order to assure to the less represented gender at least 40% of the seats, the slates containing a number of candidates equal to or over three shall include candidates belonging to different genders

Candidates' qualifications

A report containing exhaustive information on the background of the candidates, accompanied by a statement as to whether or not they qualify as independent, must be filed with the slates

Slate voting system





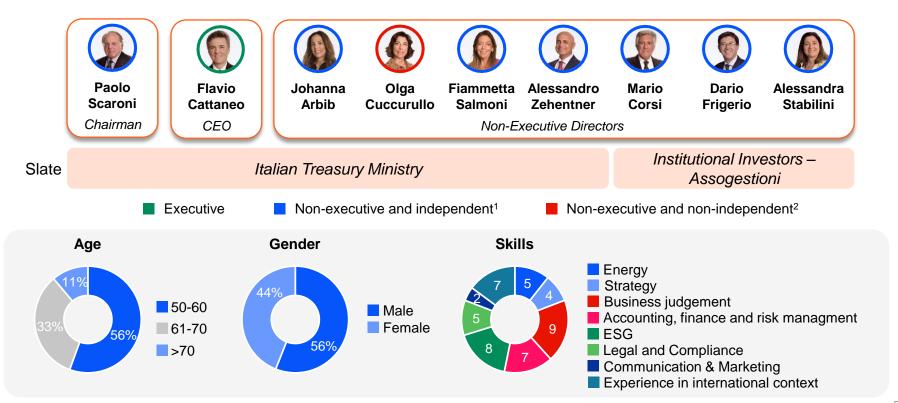
The slates must be filed at least 25 days before the AGM and published by the Company at least 21 days before the date of the meeting





Board of Directors (appointed on May 10, 2023)





Board Committees



Nomination and Compensation

80%



Alessandra Stabilini Chairwoman

Other members

- Johanna Arbib
- Olga Cuccurullo
- Dario Frigerio
- Fiammetta Salmoni

Control Risk

75%

100%



Dario Frigerio Chairman

Other members

- Mario Corsi
- Olga Cuccurullo
- Alessandro Zehentner

Corporate Governance and Sustainability

100%



Paolo Scaroni Chairman

Other members

- Johanna Arbib
- Alessandra Stabilini

Johanna Arbib is in charge of monitoring climate and Net Zero transition issues within the Committee

Related Parties

Other members



Fiammetta Salmoni Chairwoman

-
- Mario Corsi
- Alessandro Zehentner

Non-executive and independent

Non-executive and non-independent

% Independence level of the committee

2024 CEO Remuneration | Overall structure



The CEO remuneration was subject to a benchmark analysis performed by an independent third-party



Enel's position vs the Peer Group¹

- > Market Cap: between the median and third quartile2
- > Revenues: between the third quartile and the ninth decile2

LTI

Employees: between the median and third quartile²

Compensation at Target level

Fixed compensation 1,520,000 €

Annual bonus 100% of fixed remuneration

Long-term incentive 130% of fixed remuneration

Total 5,016,000 €

Paymix 30% 40%

Fixed

Annual bonus

LTI

Compensation at Maximum level

Fixed compensation 1,520,000 €

Annual bonus 150% of fixed remuneration

Long-term incentive 280% of fixed remuneration

Total 8,056,000 €

Paymix 19% 28% 53% Fixed • Annual bonus

TDC³

- In line with the median of the Peer Group at Target level
- Slightly below the median of the Peer Group at Maximum level

^{1.} Eni, Leonardo, Pirelli, Prysmian, Terna, EdP, Engie, E.On, Iberdrola, National Grid, Naturgy, Orsted, Airbus, Basf, Equinor, Shell, Siemens, TotalEnergies and Vodafone 2. Data as of December 31, 2022 3. Total Direct Compensation

2024 CEO's short-term variable remuneration¹



Macro objective	Objective	Weight ²	Entry (50%)	Target (100%)	Over (150%)	Type of target
Profitability	Ordinary consolidated net income	30%	6.6 €bn	6.65 €bn	6.8 € bn	Economic
Efficiency	Consolidated cash cost	20%	7.9 € bn	7.7 € bn	7.6 € bn	Financial
Cash and debt management	FFO/Consolidated net financial debt	20%	25.4%	25.8%	26.2%	Financial
Safety	Safety in the workplace	20%	FI ³ < 0.48 & FA ⁴ ≤ 4	FI ³ < 0.41 & FA ⁴ ≤ 4	FI ³ ≤ 0.39 & FA ⁴ ≤ 4	ESG
Customer Satisfaction	Commercial complaints ⁵	10%	180/10,000 users	170/10,000 users	165/10,000 users	ESG

^{1.} Management by objectives (MBO) 2024

^{2. (%)} Weight in the variable remuneration

^{3.} FI: Work-related accident Frequency Index in 2024 = Number of accidents (more than 3 days of absence from work) / total amount of worked hours (Enel + contractors) expressed in millions

^{4.} FA: Number of Fatal Accidents during 2024, except for road events (Enel + contractors)

^{5.} Commercial complaints at Group level, considering that the perimeter of such performance objective includes the following "core" markets of presence: Italy (free market), Iberia (Spain and Portugal), Brazil (Rio de Janeiro and São Paulo), Chile and Colombia

2024 Long-term variable remuneration¹ 150% of the base amount is assigned for the CEO/GM in Enel shares²



Macro objective	Objective	Weight ³	Target (130%) ⁴	Over I (150%)	Over II (280%) ⁴	Type of target
Performance	TSR ⁵	45%	Enel's TSR = 100% of Index's TSR	Enel's TSR = 110% of Index's TSR	Enel's TSR ≥ 115% of Index's TSR	Market
Profitability	Cumulative ROIC - WACC ⁶	30%	= 12.2%	= 12.5%	≥12.8%	Economic
Climate Change	GHG Scope 1 and 3 emissions reduction	15%	135 gCO _{2eq} /kWh _{eq} ⁷ & Scope 1 \leq 125 gCO _{2eq} /kWh _{eq} ⁸	$132 \mathrm{gCO}_{\mathrm{2eq}}/\mathrm{kWh}_{\mathrm{eq}}^{}7} \\ & \mathrm{Scope} 1 \leq 125 \\ & \mathrm{gCO}_{\mathrm{2eq}}/\mathrm{kWh}_{\mathrm{eq}}^{}8} $	\leq 130 gCO _{2eq} /kWh _{eq} ⁷ & Scope 1 \leq 125 gCO _{2eq} /kWh _{eq} ⁸	ESG
Gender Gap	% of women managers and middle managers ⁹	10%	= 33.5%	= 33.75%	≥ 34%	ESG

Long-Term Incentive (LTI) Plan 2024. Performance period: January 1, 2024 – December 31, 2026.
 30% payment (if any) in the 4th year. 70% payment (if any) in the 5th year (deferred payment)

^{2. 100%} for the CEO-1 managers; 65% for the other beneficiaries of the LTI Plan 2024.300 managers beneficiaries in total).

The number of Enel shares to be assigned is determined on the basis of the arithmetical mean of Enel's daily VWAP in the three-months period preceding the beginning of the performance period

Enel's daily VWAP in the three-months period preceding the beginning of the performance perion 3. (%) Weight in the variable remuneration

^{4. 100%} at Target and 180% at Over II for the beneficiaries of the LTI Plan 2024 other than the CEO/GM

^{5.} Average TSR Enel compared to average TSR EUROSTOXX Utilities Index-EMU, calculated in the 3-year period 2024-2026

^{6.} For the 3-year period 2024-2026

^{7.} GHG Scope 1 and 3 emissions (integrated power) per kWh equivalent produced by the Group in 2026

^{8.} GHG Scope 1 emissions (power generation) per kWh equivalent produced by the Group in 2026 (gateway objective)

^{9.} Over the total population of managers and middle managers at the end of 2026

2024 CEO remuneration | Termination agreements



Pro rata temporis rule

In case of misalignment between the performance period of the 2024 LTI plan and the term of office of CEO/GM, due to the expiry of its mandate without renewal, a "pro rata temporis" rule for compensation was confirmed¹

Severance payment

- > A severance payment equal to 2 years of fixed compensation payable only in the event of:
 - > termination and/or dismissal of the CEO/GM without just cause³; > resignation of the CEO/GM due to a just cause
- No severance payment is provided for in cases of variation in Enel's ownership structure (so called "change of control" provision)

Non-competition agreement

- It was confirmed the grant by the CEO/GM to the Company, for a consideration equal to 500,000 € (payable in three yearly installments), of the right to activate a non-competition agreement, upon termination of directorship and executive relationships
- > Should the Company exercise such option right, the agreement refrains the CEO from carrying out activities in competition with the Enel Group, for a period of two years and within specific Countries², for a consideration equal to a 3,040,000 €, i.e. 2 years of fixed remuneration, in addition to the aforesaid consideration for granting the option

^{1.} Specifically, in the event of expiration of directorship relationship without simultaneous renewal of the same – and, therefore, in the event of automatic termination also of the executive relationship – before the LTI 2024 performance period conclusion, it is provided that the CEO/GM shall maintain the right to the disbursement of the accrued incentive, based upon the level of achievement of the performance objectives provided under the Plan, and that the final assessment of the incentive will be made *pro rata temporis* until the date of termination of the directorship and executive relationship

^{2.} Namely in the following Countries: Italy, France, Spain, Germany, USA, Chile, Colombia and Brazil

^{3.} It should be noted that the remuneration policy for 2024 takes into account the express waiver, formulated by the CEO/GM, of the indemnity provided for in the remuneration policy for 2023 in the event of non-renewal of the directorship upon the expiration of the term of office, with the consequent termination of the executive relationship

2024 Remuneration Policy | Main changes vs 2023



MBO objectives¹

- Introduction of the **Consolidated cash cost** objective², to enhance the achievement of greater efficiencies, functional to strengthen the financial structure at Group level
- **Commercial complaints** objective simplified eliminating the gateway objectives (complaints in Italy and SAIDI), already reflected in the number of commercial complaints at Group level

LTI objectives¹

➤ **Gender gap** objective modified in nature, as the 2023 objective (% of women in top management succession plans) was achieved and to more concretely measure the Group's commitment to ensuring gender equality, with a focus on increasing women's representation at the managerial level

Severance payment

> Indemnity no longer due to the CEO/GM in the event of non-renewal of the directorship relationship upon the expiration of the term of office, with the consequent termination of the executive relationship

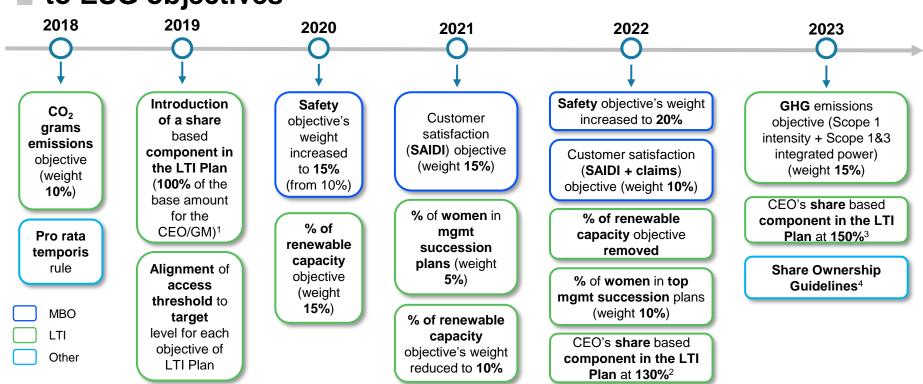
Equalization policy

Eliminated the **insurance policy** to guarantee the CEO/GM a pension and contribution treatment of similar scope to the one he would have benefited from the directorship relationship (both fixed and short-term variable compensations), if that relationship had been equalized with the executive one

- 1. A benchmark analysis on ESG objectives for both MBO and LTI was performed by an independent third party in 2022 to understand the right weight of such objectives
- 2. Weight 20%. Weight of Ordinary consolidated Net Income objective consequently reduced to 30% (from 40%) and weight of FFO/Consolidated net financial debt objective to 20% (from 30%)

Remuneration evolution with particular reference to ESG objectives



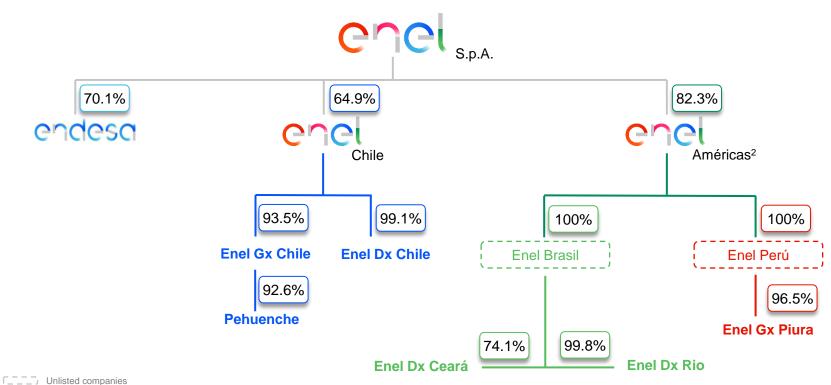


^{1. 50%} of the base amount for the other beneficiaries of the LTI Plan. 2. Of the base amount. Increased to 65% for the other beneficiaries of the LTI Plan

^{3.} Of the base amount. Increased to 100% for CEO-1 managers. Unchanged for the other beneficiaries of the LTI Plan 4. Requirement for the CEO / Executives with strategic responsibilities to achieve (within 5 years) and maintain (during the term of office/as long as they hold the office) Enel shares equivalent to 200% / 100% of gross fixed annual remuneration

Enel Group's listed companies (as of September 30, 2024)¹





offinisted companies

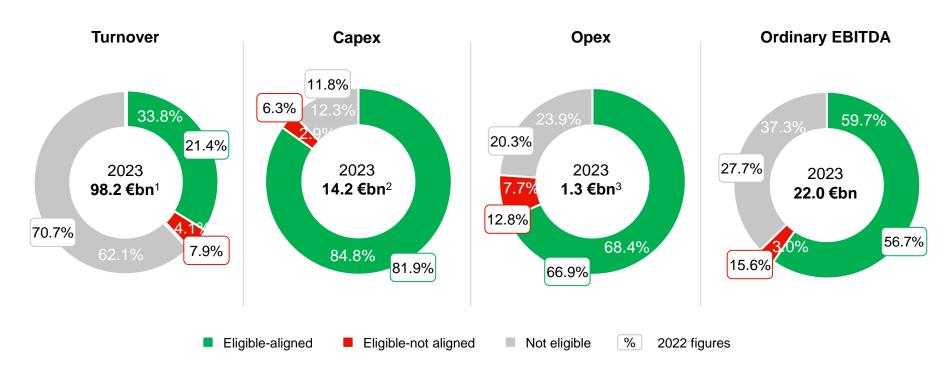
^{1.} N. 10 listed companies, including Enel S.p.A.

ESG Financial Reporting Monitoring progress



EU Taxonomy: Alignment





^{1.} Revenue refers to the ordinary income statement.

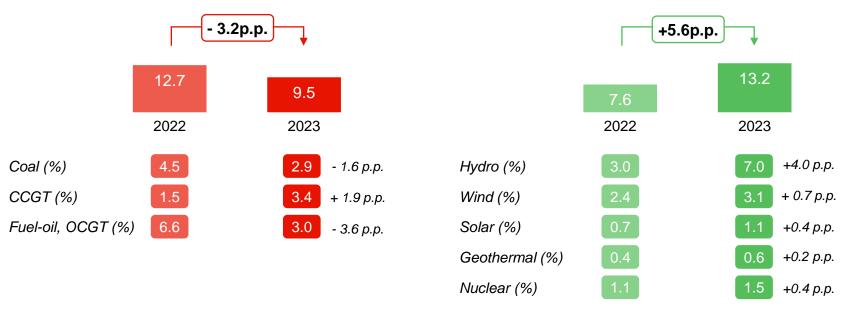
^{2.} It includes around 0.7 €bn related to increases in assets deriving from leasing operations.

^{3.} Only expenses required by the taxonomy.

EU Taxonomy: Generation Revenues







In 2023, generation activities account for 22.7% of total revenues;

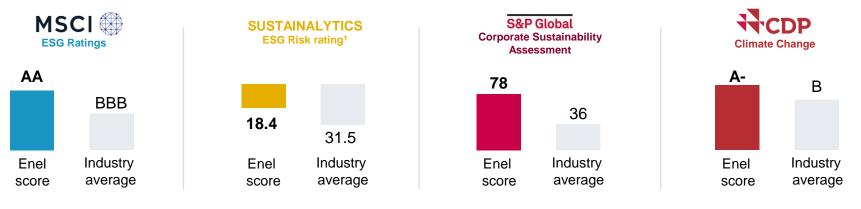
Enel derives only 9.5% of its revenues from electricity generation with a GHG intensity of more than 100 gCO_{2eq}/kWh

ESG Ratings

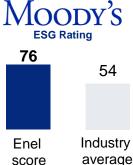
The touchstone of Enel's sustainability



Consolidated position in main ESG Ratings focused on covering most material issues for the Energy sector







^{1.} A lower score implies a better rating (100= min; 0= max) 2. Refinitiv ESG Rating do not provide an industry average Data as of 17.12.2024.

Disclaimer



This presentation contains certain forward-looking statements that reflect the Company's management's current views with respect to future events and financial and operational performance of the Company and its subsidiaries. These forward-looking statements are based on Enel S.p.A.'s current expectations and projections about future events. Because these forward-looking statements are subject to risks and uncertainties, actual future results or performance may differ materially from those expressed in or implied by these statements due to any number of different factors, many of which are beyond the ability of Enel S.p.A. to control or estimate precisely, including changes in the regulatory environment, future market developments, fluctuations in the price and availability of fuel and other risks. You are cautioned not to place undue reliance on the forward-looking statements contained herein, which are made only as of the date of this presentation. Enel S.p.A. does not undertake any obligation to publicly release any updates or revisions to any forward-looking statements to reflect events or circumstances after the date of this presentation. The information contained in this presentation does not purport to be comprehensive and has not been independently verified by any independent third party.

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Pursuant to art. 154-bis, paragraph 2, of the Italian Unified Financial Act of February 24, 1998, the executive in charge of preparing the corporate accounting documents at Enel, Stefano De Angelis, declares that the accounting information contained herein correspond to document results, books and accounting records.

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