

#### Agenda



#### **CMD 2022**

2023-25 Strategic Plan

2023-25

Strategic Plan

- > The energy context
- > The Group in the energy context
- > Enel's strategic actions
- Sustainable profitability
- Investing in our integrated strategy
- Strategic repositioning
- > Financial management
- > Plan de-risking
- Targets

**Full Year 2022 Consolidated Results** 

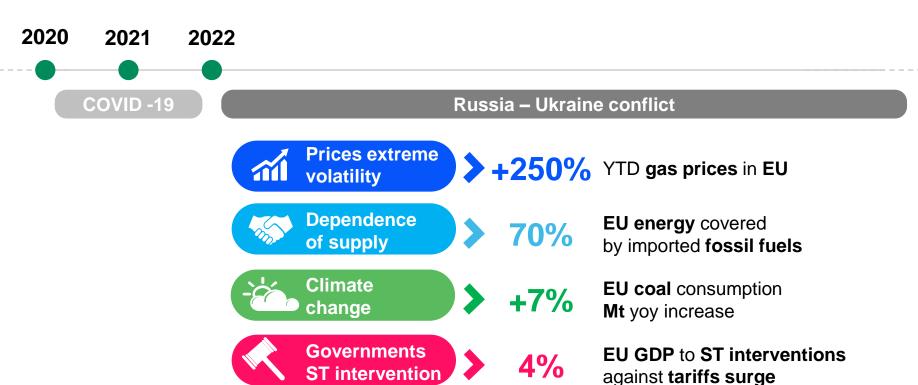
2023-2025 Annexes

### The energy context



### The last three years have highlighted the importance of good energy markets design





### Clean electrification is now clearly emerging as the solution to tackle three challenges...





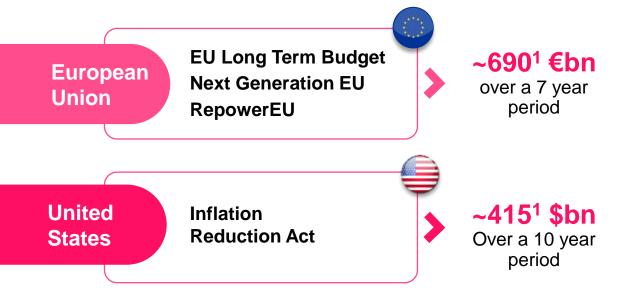
Clean
electrification
to create
affordable,
secure,
sustainable
energy systems

Achievable if 2030 EU targets are met:

RES penetration of 70% and electrified consumption of 35%

### ...and it is at the heart of the long term policy packages of the major western economies





Long term support increased in the face of short-term energy crisis

## The Group in the energy context



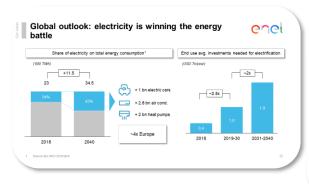
#### The Group positioned into the right energy trends

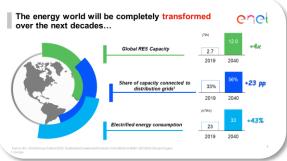


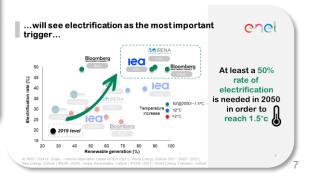






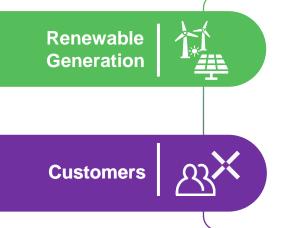






### A business mix built over years to capture clean electrification opportunities





Accelerate decarbonisation to achieve energy independence and tackle climate change

Grant clients energy and services at affordable prices over the long term

> ~3x

Wind and solar production 2022 vs 2015

**> -40%** 

Price to our customers vs. market price in 20221

**Grids** 



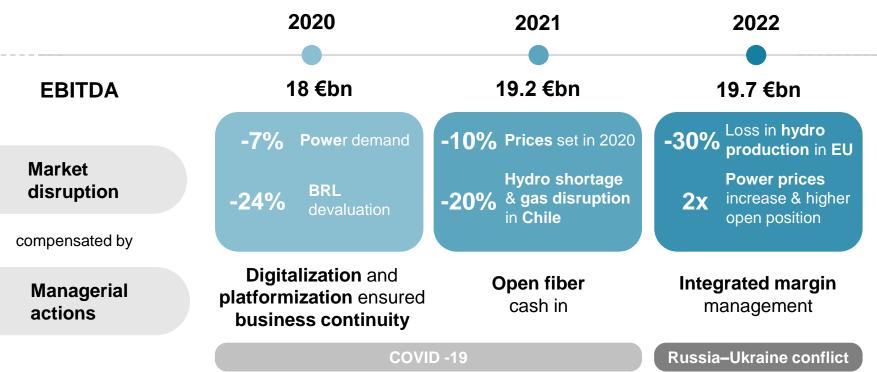
Invest in grids to enable higher energy security & reliability

**> -20%** 

**SAIDI** in 2022 vs. 2019

#### Managerial actions supported Group's performance

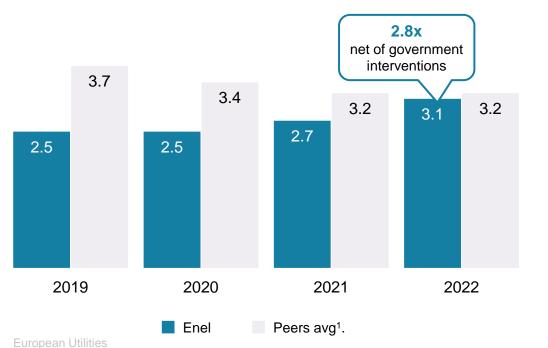




#### A stronger-than-the-sector financial profile was preserved







#### ND/EBITDA below sector average

despite governments' interventions weighting 5.4 €bn on 2022 financials

### Enel's strategic actions



#### Enel 2023-2025 plan in nutshell



Acceleration of clean electrification

Business & geographies strategic repositioning

Growth and financial strength

~90% sales<sup>1,2</sup>

covered by GHG free sources

75% RES production on total<sup>1</sup>

~80% digitalized grid customers<sup>1</sup>

21 €bn

2022-25 disposal plan<sup>3</sup>

6 core countries

+9-10%

Net Income 2022-25 CAGR

28% FFO/ND from 2023

0.43 €/sh minimum DPS<sup>4</sup>

#### **Enel strategic actions**



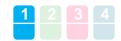
Pursue an integrated position across the value chain to serve our customers in their electrification journey

Balance customers' demand and supply to optimize the risk/return profile

Decarbonization to ensure competitiveness, sustainability and security

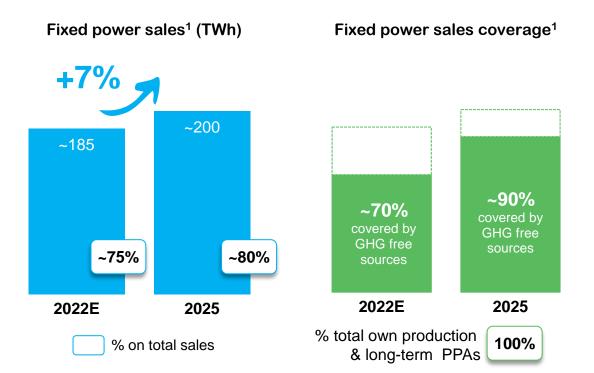
Reinforce, grow and digitize networks to enable the transition

Streamline our portfolio of businesses and geographies



#### Balancing customer demand and supply

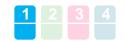




Affordable price offering to customers based on fixed price contracts

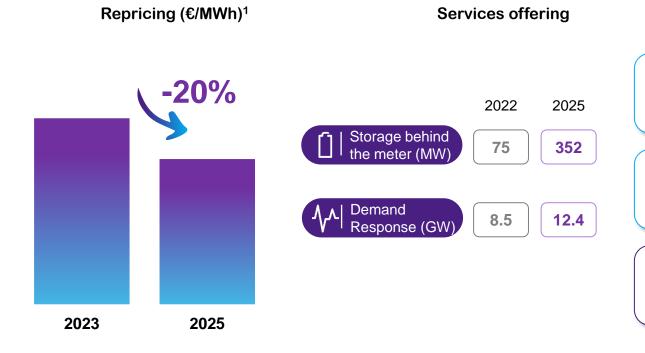
More effective **commercial** strategy granted by a **higher coverage** from **RES** production

Clean energy coverage enhances margins and reduces short term risks



### Services and infrastructures will foster the switch from fossil energy to clean electricity

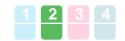




Offering to customers integrating commodity and services

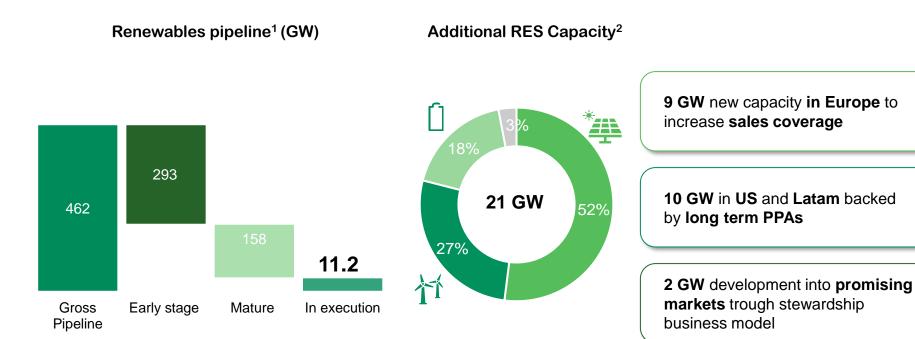
Tailored strategy on B2B, B2C & B2G to address **affordability** and **sustainability** needs

Accelerating the roll out of charging points to **reinforce** the **integrated** commercial **strategy** 



### Investments in renewables to target sustainability, independence and affordability





<sup>1.</sup> It includes BESS (around 48 GW in early stage and around 26 GW in mature pipeline)

<sup>2.</sup> It incudes 2 GW capacity under the stewardship business model



#### Zero Emissions as a business driver







1.5°C SBTi certified



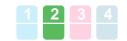
No use of carbon removal



1.5°C SBTi certification covering GHG emissions (Scope 1, 2 & 3) along the whole value chain<sup>2</sup>

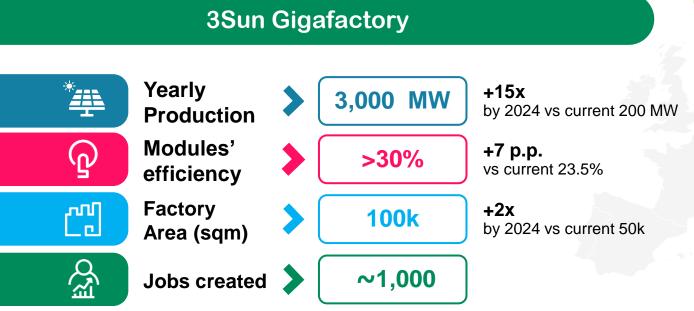
Targets do not include M&A plan

2. Target on remaining Scope 1,2 & 3 emissions have also been certified. 2030 target 10.4 MtCO<sub>2e</sub>; 2040 target ~2.5 MtCO<sub>2e</sub> (to be neutralized to achieve Net Zero)



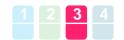
### Supporting the strategic reshaping of the supply chain in key areas





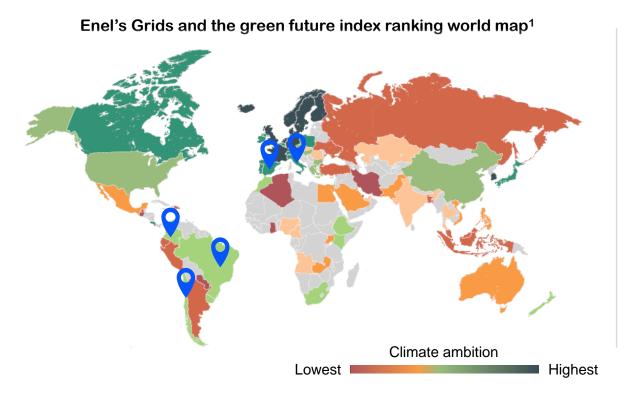
Stewardship model





### Our strategy in grids is to concentrate in countries where the transition to a green future accelerates







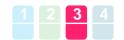








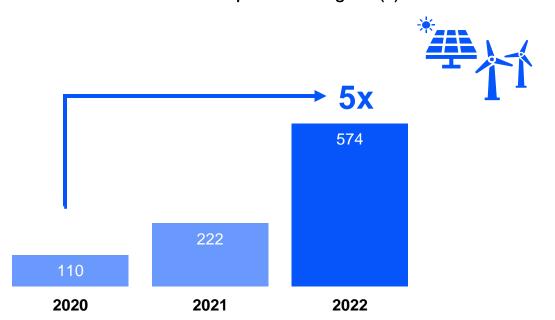
Focusing on quality, resiliency and digitalization of distribution grids in countries most committed to clean electrification



### Networks are key enablers of clean electrification already happening



New connections request to Enel grids (k)



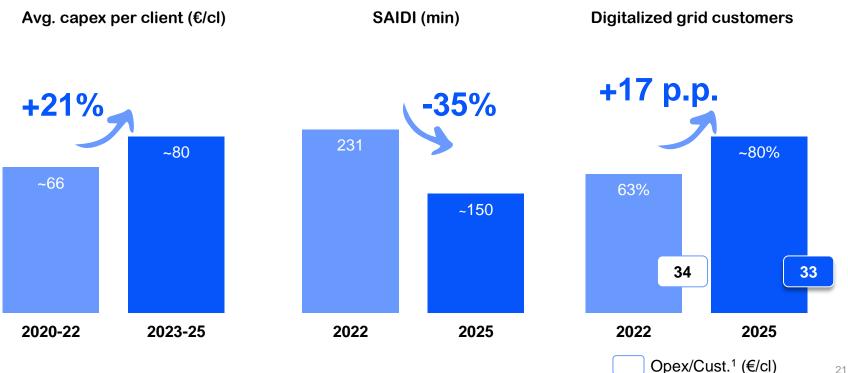
Grids to cope with increasing requests of connection from distributed energy

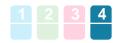
Network hosting capacity as key value creation tool in the future

Regulatory frameworks must act as facilitator of this massive transformation towards Net Zero targets



#### A more concentrated focus to better deliver security, digitalization and efficiency





### Re-shape our global presence and businesses coherently with our strategy boosting value creation

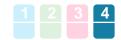


Optimize
footprint and
extract value
from asset base

1 Optimize footprint and asset base

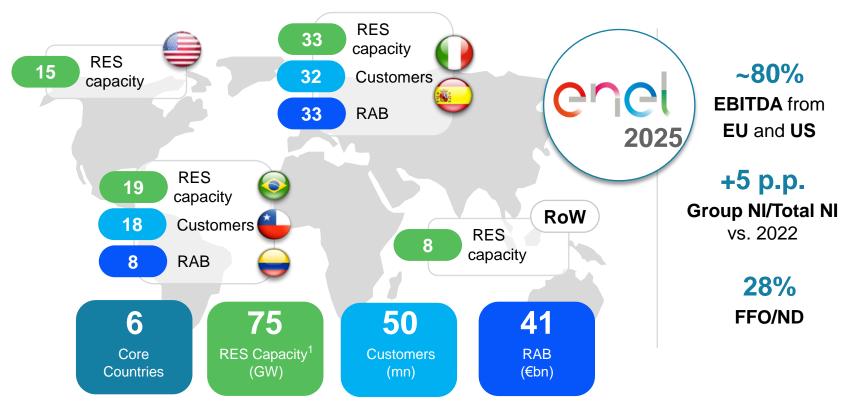
- Exit from businesses and geographies less fitting with Group's strategy
- Continued stewardship model in Tier 2 Countries
- Leverage on market opportunity to initiate exit from gas activities

Main focus of actions in 2023



#### A simpler structure with high growth potential





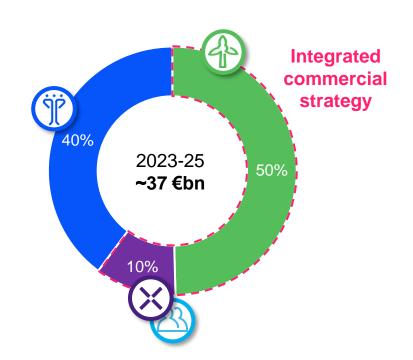
### Sustainable profitability



### An investment plan that maximizes the value of our integrated model



Gross capex by business



Investments driven by integrated margin maximization

Steady flow of investments on grids as a key enabler of the electrification

**Growing commodities and services offering** 

#### **Enel's evolution through 2025**



		2022	2025
<b>竹</b>	RES Capacity¹	59 GW	75 GW
<b>位</b>	RES Capacity on total <sup>1</sup>	66%	79%
CO <sub>2</sub>	GHG free production on total	63%	83%
4	Fixed power sales on total <sup>2</sup>	~75%	~80%
Ø	Fixed sales covered by GHG free sources <sup>2</sup>	~70%	~90%
Ş,	Digitalized grid customers	63%	~80%
	SAIDI (min)	231	~150

A compelling positioning to lead and grow further in the electrification decade

#### Value creation for all of our stakeholders



Financial community		Value creation spread	~350
Clients (	2	Reduction of household power price <sup>1</sup>	-20%
Planet (	(F)	Scope 1 Generation GHG emission intensity <sup>2</sup>	-43%
Communities 2	23	Cumulated GDP created by local investments	~70 €bn
Employees <i>i</i>		Upskilling and reskilling programs on overall training <sup>3</sup>	40%
Suppliers <i>i</i>		Supplies' value covered by Carbon Footprint certification <sup>3</sup>	75%
Partners <i>i</i>	Q;	Transition investments through partnerships	~15 €bn

## Alberto De Paoli CFO



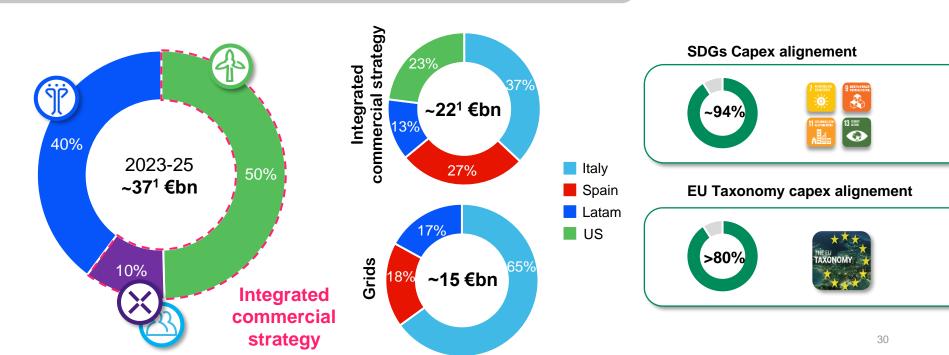
# Investing in our integrated strategy



### Our investments in the next three years will be concentrated in core countries

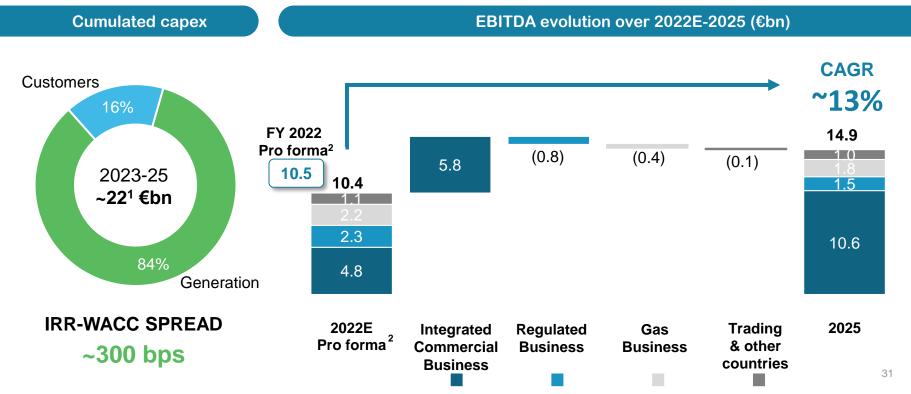


2023-25 Gross capex by business and geography



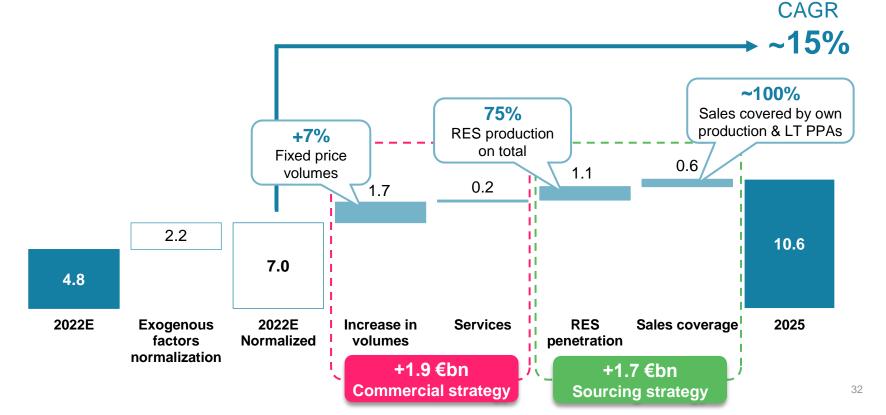
#### Power Generation & Retail: Capex, EBITDA evolution and value creation





### 2022E-25 Integrated commercial business: EBITDA evolution

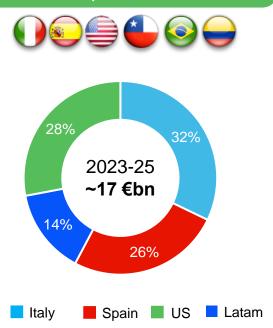




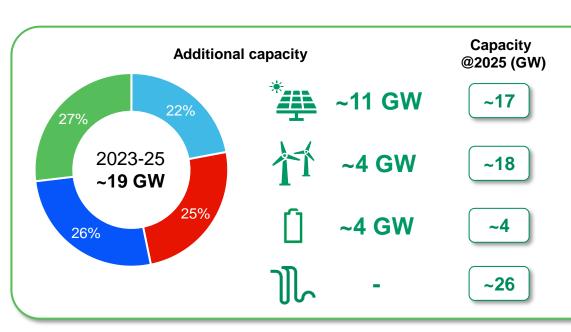
#### 19 GW renewable development in core countries



#### **Cumulated Capex in core countries**



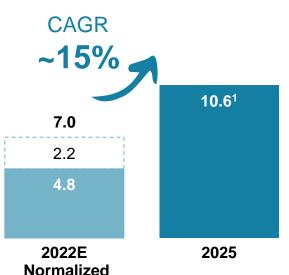
#### Capacity in core countries 2023-25<sup>1</sup>

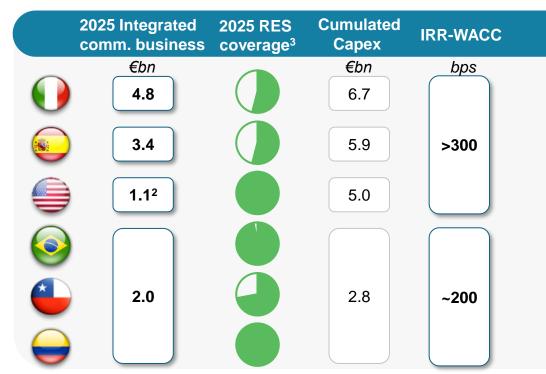


### The integrated commercial business is set to grow at 15% CAGR over the plan



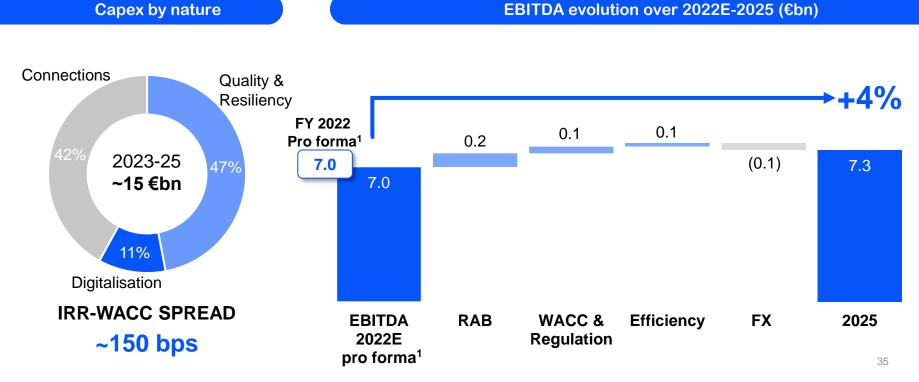






### Grids: Capex, EBITDA evolution and value creation





# Grids investments deliver RAB growth within stable regulatory frameworks

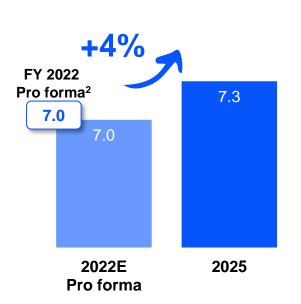


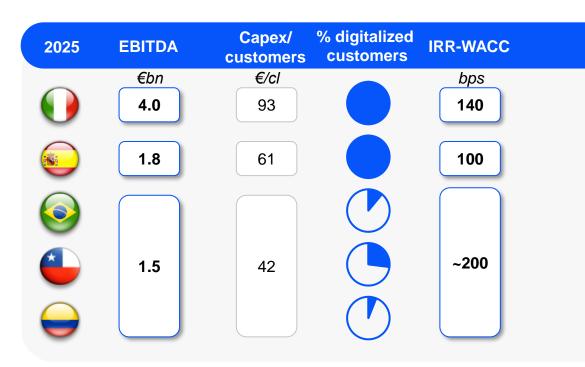


### Improvements into unitary KPIs across geographies





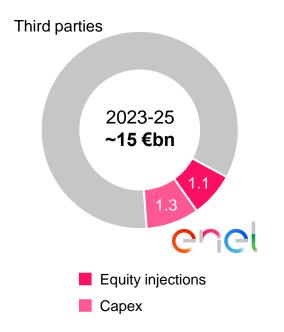


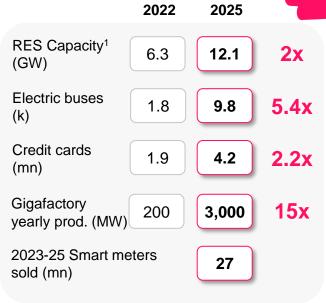


Stewardship model complements our development strategy









1.5 €bn

**Stewardship** 

model

2023-25 EBITDA

1.2 €bn

Net equity contribution @2025

2.5-3.0 €bn

Enel's stake equity value in 2025

~20%
Equity IRR

# Strategic repositioning



### **Execution concentrated early in the cycle**



### 2022

> Exit from Russia

COUNTRIES

ASSETS & VALUE CRYSTALLIZATION

- Sale of **TX** in **Chile**
- Gas portfolio value crystallization in Chile
- Disposal of Goias grid and Fortaleza CCGT in Brazil
- Gridspertise
- Stewardship and RES valorization

#### 2023

- > Exit from Romania
- > Exit from Peru
- > Sale of Argentina Gen. 🗸
- > Sale of Argentina DX
- Stewardship: Australia, Greece
- Gas portfolio value crystallization in Spain
- Sale of Cearà in Brazil
- Crystallization of RES asset value

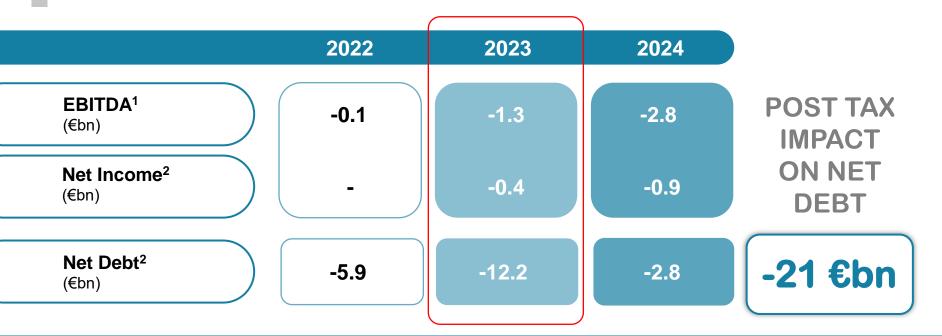
#### 2024

- US assets value crystallization
- Enel X Way value crystallization

40

#### Impacts on economics and financials





#### EV/EBITDA of ~8x

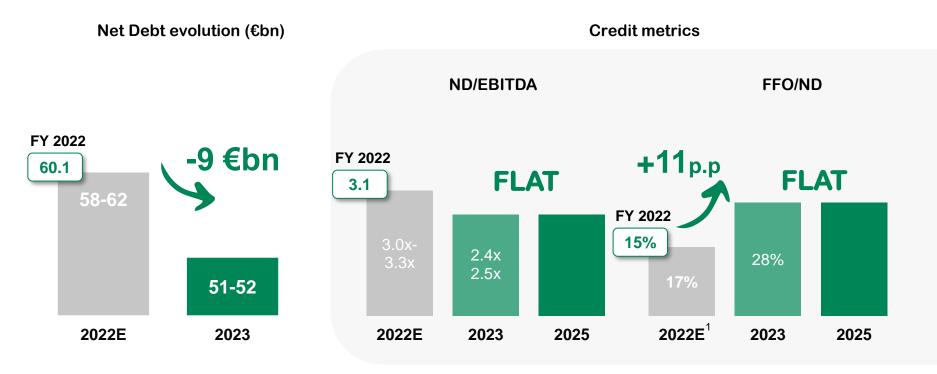
- Yearly impact
- 2. Yearly impact, post tax

## Financial management



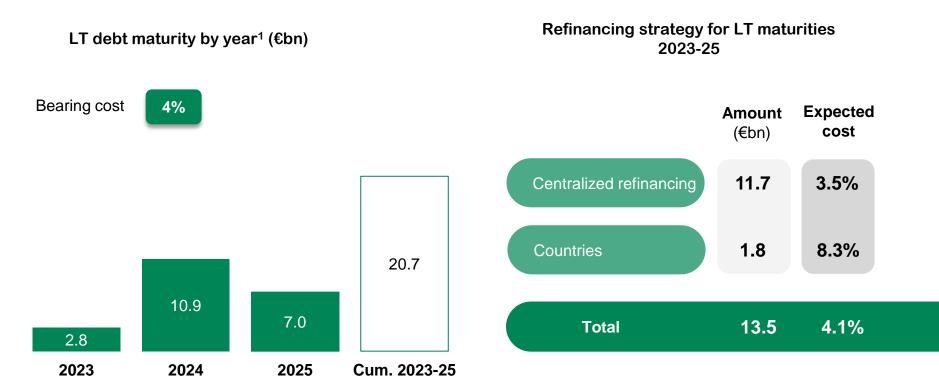
#### Visible improvement of credit metrics in 2023





### An extremely low exposure to credit tensions



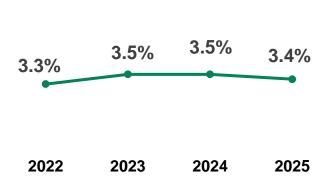


1. As of December 31st, 2022

#### Stable cost of debt despite rise in rates



Cost of debt evolution 2022-25

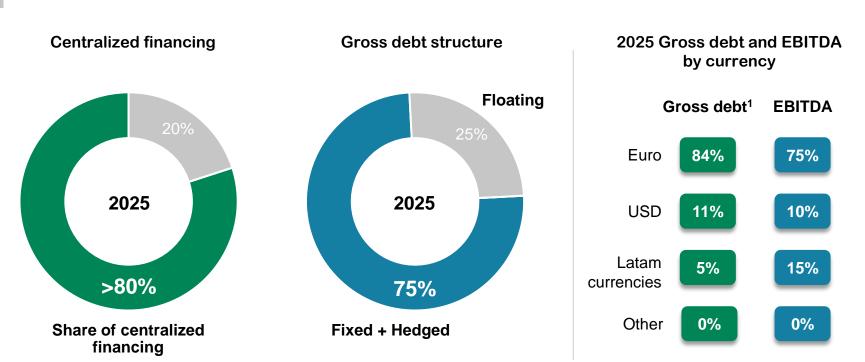


**6-7 years** debt average life<sup>1</sup>

Stable cost over the plan thanks to the structure of our debt built over years through continues optimization and managerial actions

#### Intrinsic de-risked characteristics of our debt





# Our sustainable finance is at the core of our financial strategy



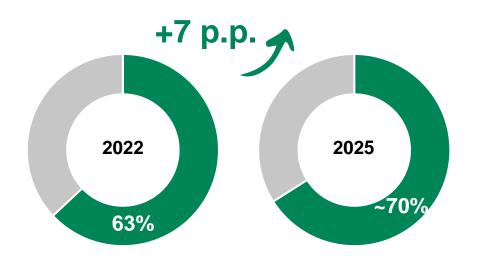
	Total amount <sup>2</sup>	Drawn amount <sup>2</sup>	KPIs <sup>3</sup>
Bonds	30	30	7 Supress 13 come Company Comp
Loans	13	12	13 auns 13 auns 15 auns 16 auns 17 auns 18 aun
RCFs	20	-	7 Milliones 13 dams
CPs	18	6	7 sources 13 days

48

81

**Total** 

#### Sustainable sources on total



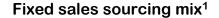
<sup>1. 2022</sup>E. Enel, EFI, EFA, Endesa and Enel Chile 2.Nominal values of the Programs, it includes, Sustainability-Linked instruments,.Green bonds and subsidized finance 3. KPIs refer only to Sustaibalility-Linked instruments

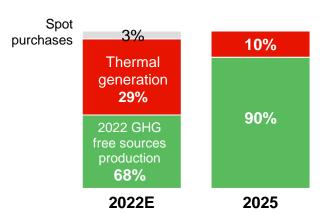
## Plan de-risking



#### **Operational de-risking**



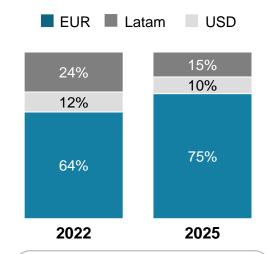




2022 sourcing cost reduction @2025 mix: -40%

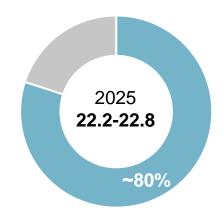
Sourcing **cost volatility index:**-100bps

#### **EBITDA** currency exposure



Currencies repositioning avoids
150 €mn negative impact every
10% devaluation of local
currencies

### Contracted/regulated EBITDA (€bn)

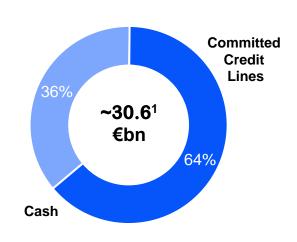


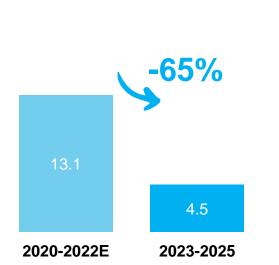
### Financial de-risking





Avg. yearly LT refinancing (€bn)







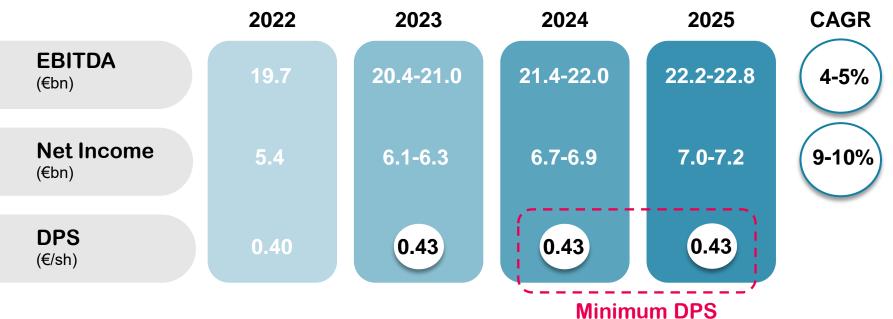


# **Targets**



### Solid and sustainable growth





### Closing remarks



#### **Closing remarks**



**Maximisation of our integrated position** 

Focus on core countries

Financial position strenghtening

Leveraging on people passions and skills

Stakeholders value creation and distribution

### Full Year 2022

Consolidated results



### Key highlights



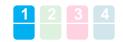
Business
performance and
managerial actions
secured operating
and financial
trajectory of the
Group

2022 Results hit the guidance thanks to our integrated and resilient business model

Operating evolution fully in line with our strategic guidelines

Final phase of **strategic repositioning**: **execution well advanced** 

0.40 €/sh DPS for 20222023 fixed DPS entails high single digit growth

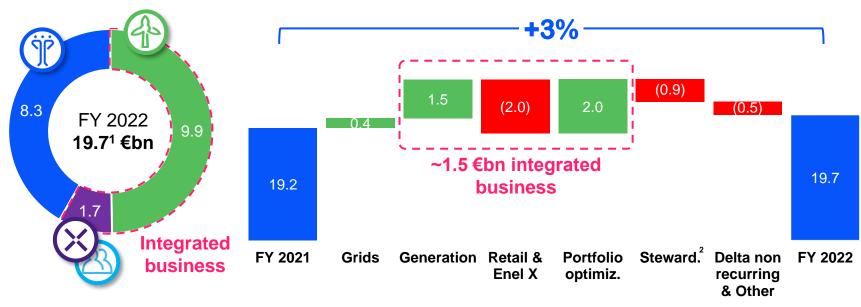


### Enel's Integrated business model absorbed the shocks of 2022



**Ordinary EBITDA by business** 

Ordinary EBITDA evolution (€bn)



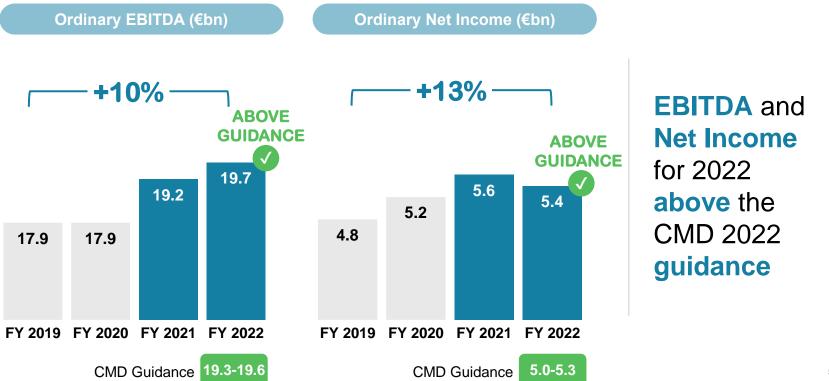
<sup>1.</sup> The split does not include "Services & Other" for around (0.2) €bn

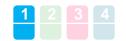
It includes delta capital gain for (0.95) €bn and recurring contribution from stewardship for 0.1 €bn



# Operating delivery capabilities pushed results above targets and supported a structural growth



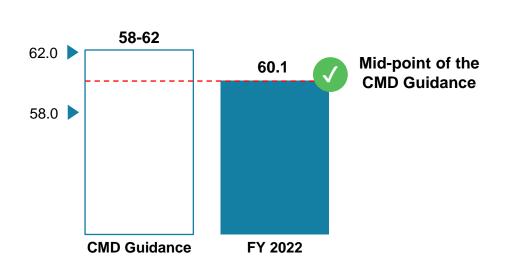








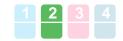
#### Net Debt (€bn)



9.1 €bn FFO thanks to sound recovery in EBITDA and in working capital

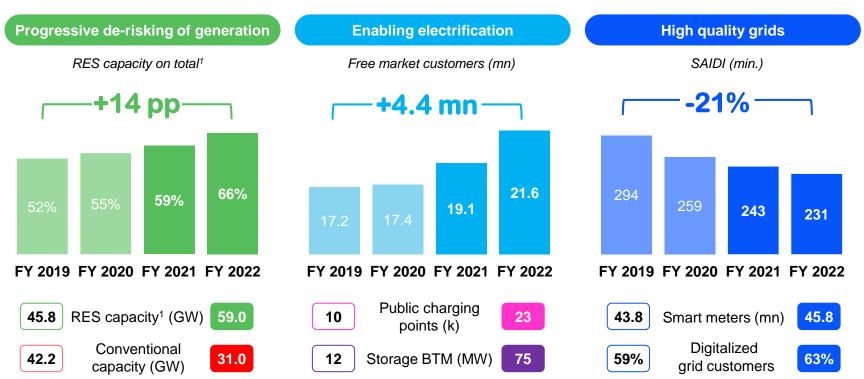
**5.4 €bn government measures**' impact still to be recovered

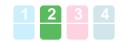
Strategic repositioning contribution



### 2022 continued to show a strong operating delivery, along our strategic guidelines





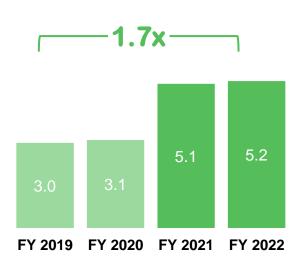


### A strong RES development, notwithstanding supply chain disruptions, de-risks our generation



Yearly additions<sup>1</sup> (GW)

2023-25 Additional capacity target<sup>1</sup>

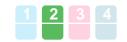




**Residual target** covered around **7x** by the 2023-25 **mature pipeline** 

**5.5 GW** to be added in 2023, **100% already** in **execution** 

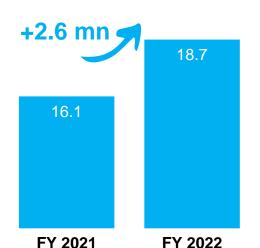
Ready to accelerate energy independence in Europe: ~130 GW projects in pipeline in Italy and Iberia



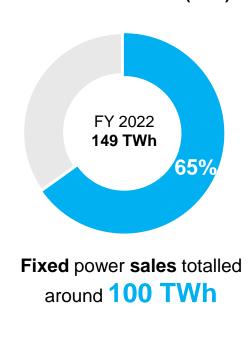
# Leveraging on forward hedged generation, fixed price en cales protected customer base from energy shocks



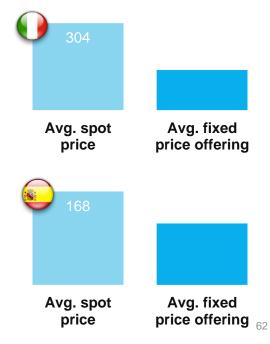
Free market customers (mn)

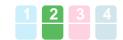


Fixed sales on total (TWh)

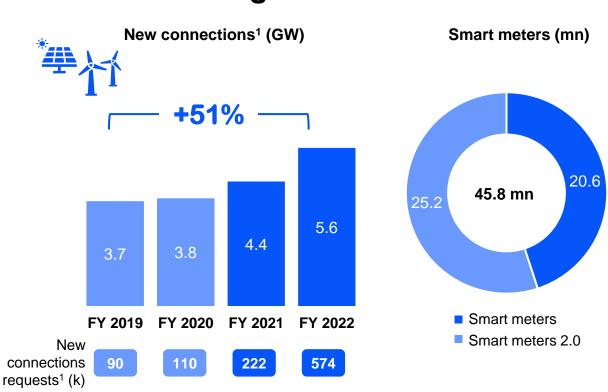


Avg. sales price (€/MWh)





# Digital networks ready to host the accelerated roll out of distributed generation



New connections requests increased 6 times versus 2019

New hosting capacity to unlock future value for the energy system

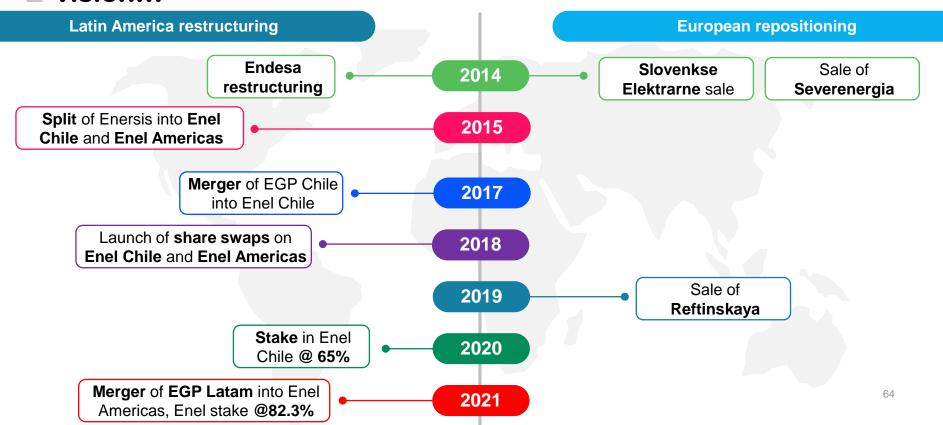
**600k smart meters installed** in LTM

Distributed generation 63



### Simplification efforts embedded in our strategic vision...







### ...now entering the final leg of Group's repositioning

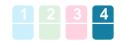


#### **Latin America** European Footprint/asset base **NET DEBT** restructuring repositioning optimization IMPACT Gas portfolio value Sale of TX in Chile > Exit from Russia crystallization in Chile Disposal of Goiás grid 5.9<sup>2</sup> €bn **Gridspertise** valorization 2022 Sale of Fortaleza CCGT Stewardship and RES in **Brazil** valorization Stewardship: Greece, > Exit from Romania ( Sale of **Argentina** generation Australia Costanera<sup>1</sup> Central Dock Sud Gas portfolio in Spain 12.2 €bn Crystallization of RES Sale of **Argentina** distribution 2023 asset value Exit from **Peru**

Sale of Cearà in Brazil

Deal closed

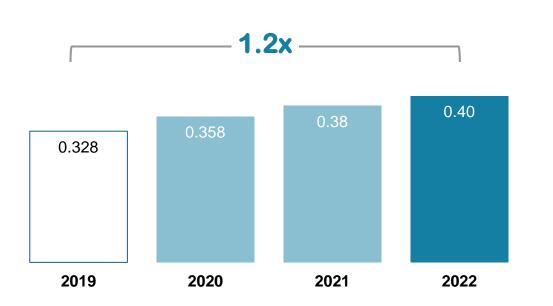
<sup>2.</sup> It includes impact of assets classified as HFS and capital gain from stewardship model



#### Simple and predictable shareholder remuneration



#### **Dividend per share (€/share)**



Solid and visible improvement in shareholder remuneration with TSR at 110%1 from 2015

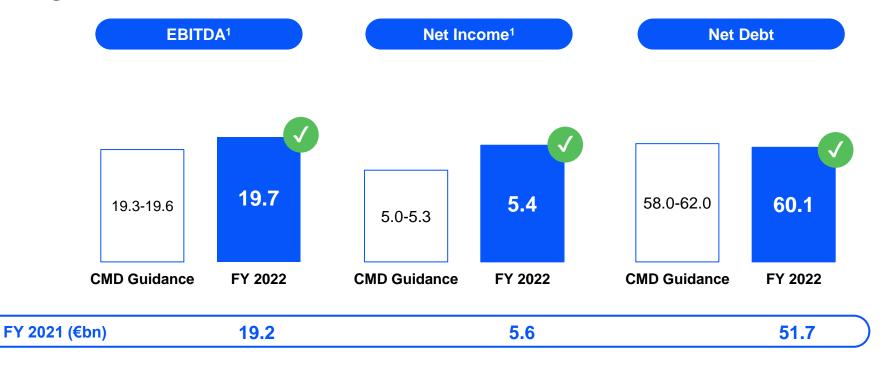
### Full Year 2022

Financial results



# Results unaffected by volatile environment: guidance exceeded at EBITDA and Net Income level



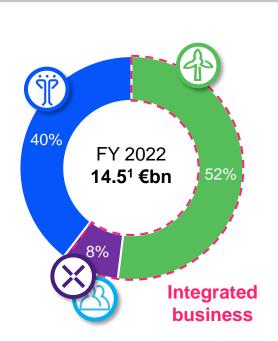


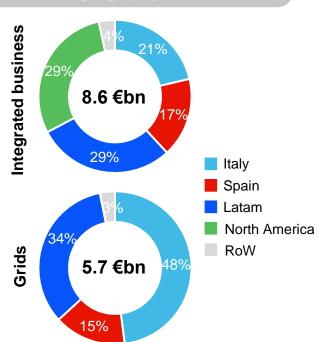
<sup>1.</sup> Ordinary figures, it excludes extraordinary items in FY 2021 (-1,977 €mn: -53 €mn donations and emergency costs COVID-19, -1,590 €mn energy transition and digitalization funds, -334 €mn HFS Greece, Russia and Romania) and in FY 2022 (+235 €mn: +702 €mn M&A activities, -33 €mn donations and emergency costs COVID-19, -137 €mn HFS Greece, Russia and Romania, -297 €mn energy transition and digitalization funds)

### 15 €bn investments deployed in 2022 to secure future @ ☐ [ **EBITDA** growth



**Gross capex by business and geography** 





60% of capex deployed to improve our integrated business

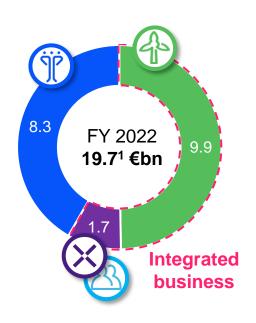
Focus on expanding the commodity and services offering

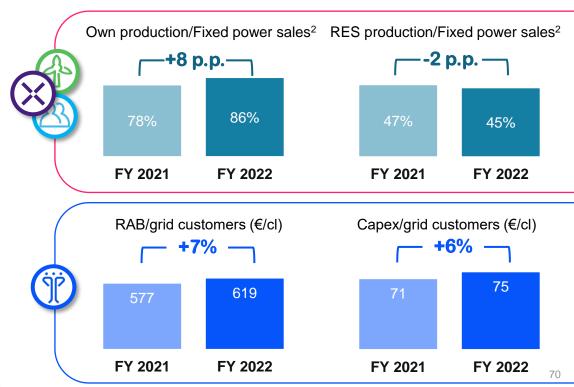
**Investments** in **grids** to improve quality and efficiency

### EBITDA above guidance on sound business performance



#### **Ordinary EBITDA by business**





<sup>1.</sup> The split does not include "Services & Other" for around (0.2) €bn

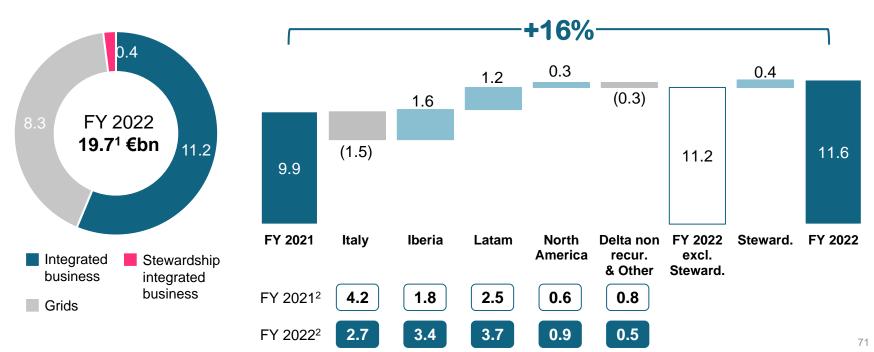
<sup>2.</sup> Core countries

# Integrated business: geographical diversification ensured economics protection









Split does not include "Services & Other"

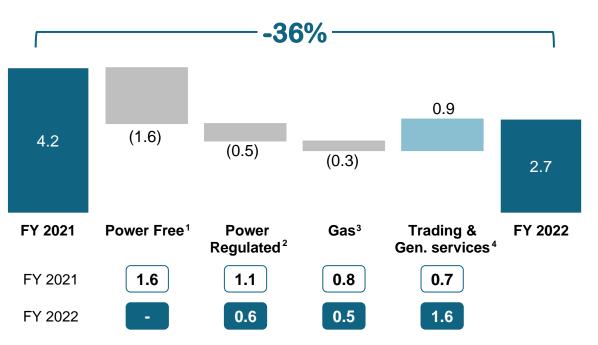
<sup>2.</sup> It excludes 'Non Recurring items'

### Integrated business: focus on Italy





#### **Ordinary EBITDA evolution (€bn)**



Power Free affected by dynamics on sourcing costs

Power Regulated decline driven by lower contribution from regulated plants

Trading benefitting from portfolio optimization

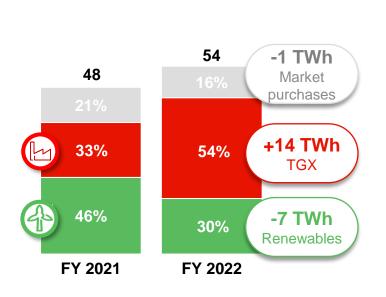
### **Power Free: dynamics in Italy**

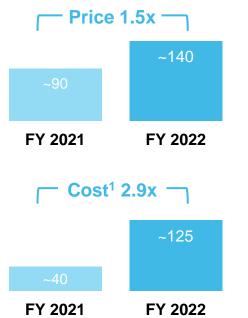




Fixed sales and coverage (TWh)

#### Unitary margin dynamics (€/MWh)





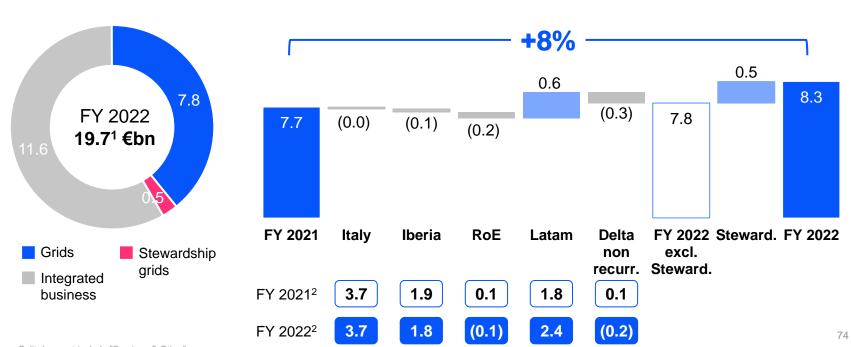
Unitary margin down 70% yoy impacted by unexpected higher sourcing costs not passed through customers' bills

## Grids up by 8% yoy, supported by the positive performance in Latam





#### Grids ordinary EBITDA evolution (€bn)

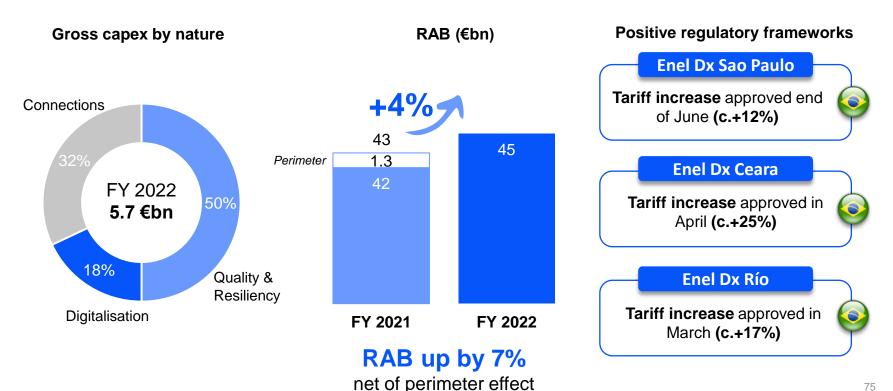


Split does not include "Services & Other"

<sup>2.</sup> It excludes 'Non Recurring items'

### Capex deployment to foster RAB growth

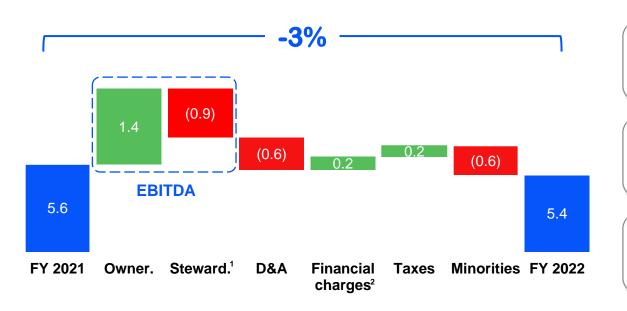




## Net Income above guidance, driven by growth in EBITDA and lower financial expenses



**Net Ordinary Income evolution (€bn)** 



Amortization increase due to higher capex deployed and FX, bad debt in line with historical level

Cost of debt at 3.3%, -20 bps yoy supports reduction of financial charges

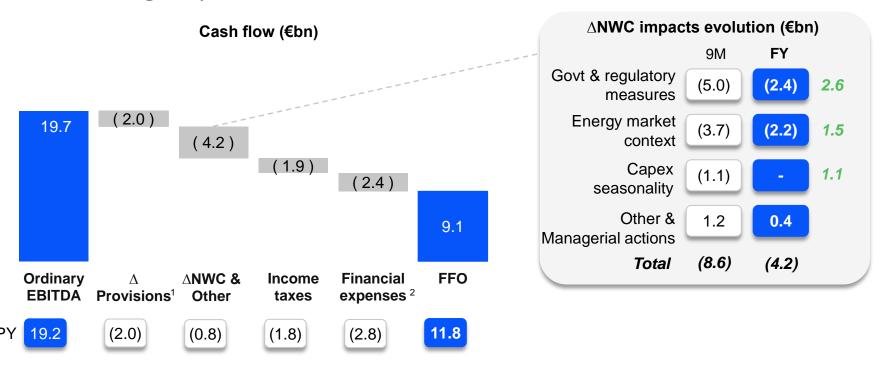
Different **geographical mix** on earnings drives **minorities evolution** 

<sup>1.</sup> It includes delta capital gain for (0.95) €bn and recurring contribution from stewardship for 0.1 €bn

<sup>.</sup> It includes income on equity

## FFO: +8 €bn in Q4 driven by the expected recovery in working capital



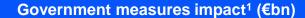


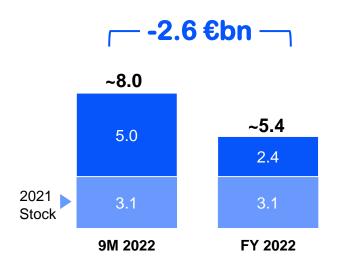
<sup>1.</sup> Accruals, releases, utilizations of provisions in EBITDA (i.e. personnel related and risks and charges).

Includes dividends received from equity investments.

## Q4 2022: Initial recovery of the impact of governments' measures







~5.4 €bn
still to be recovered

#### FI ZUZI JIVI ZUZZ FI ZO





- > Tariffs equalization recognition
- Coal/gas mandatory stock

#### **Spain**



- > Price cap on gas
- Gas mandatory stock
- > System charges reduction
- > CO<sub>2</sub> regularization

#### <u>Romania</u>



> Price cap on supply business

TOTAL IMPACT

#### FY 2021 9M 2022 FY 2022

2.4

5.7

4.3

0.7

1.7

0.8

- ]

0.6

0.3

3.1

~8.0

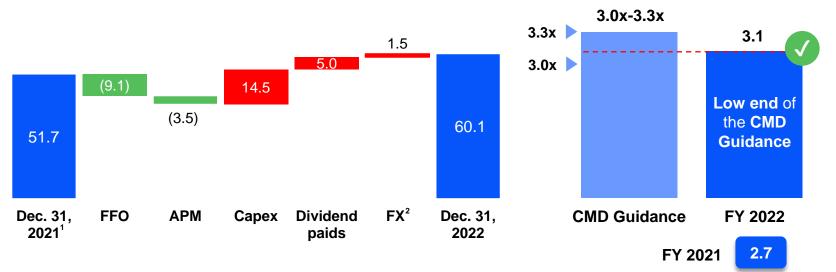
~5.4

# Net Debt at 60 €bn in line with mid-point of the guidance range





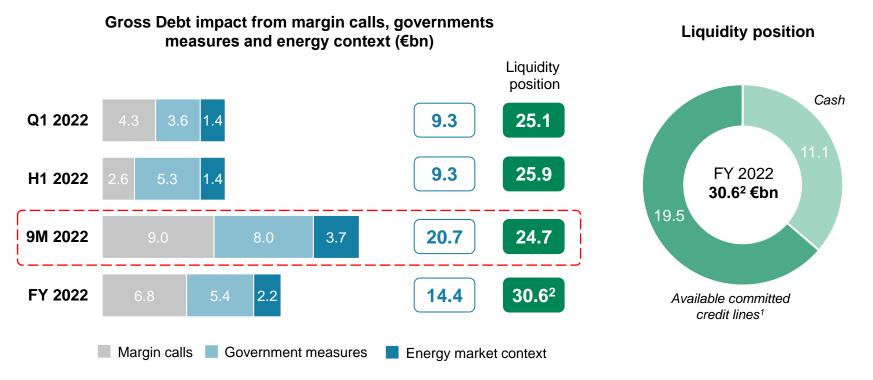
#### ND/EBITDA



Restated figure

<sup>2.</sup> It includes foreign exchange derivatives realized in the period and new leases for 0.5 €bn.

# The Group's liquidity remained strong and stable over Cheline period in spite of extreme volatility

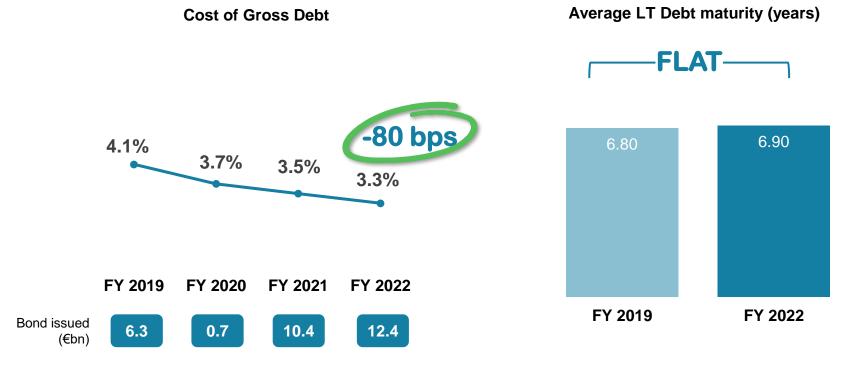


<sup>1.</sup> Of which 19.1 €bn of long term committed credit lines with maturities beyond December 2023

<sup>2.</sup> Liquidity position does not include the credit line guaranteed by SACE

## Cost of debt trending down thanks to proactive liability management implemented in 2021





## Full Year 2022

Closing remarks



### **Closing remarks**



Strong 2022 results despite extreme volatility

Operational and financial resiliency back tested in the last three years

Focus on accretive simplification and on growth on integrated margin countries in line with strategy

Strategic
development
continued
despite
energy crisis

## 2023-25 Annexes



## 2023-25 Financial Annexes



## 2023-25 Macroscenario



## **GDP, CPI and FX**



		GDP (%)			CPI (%)		F	X against € <sup>1</sup>	
	2023	2024	2025	2023	2024	2025	2023	2024	2025
Italy	0.2	1.6	1.1	6.0	2.2	1.6	n.m	n.m	n.m
Iberia	1.5	2.9	2.0	4.4	1.9	1.8	n.m	n.m	n.m
Latin America									
Argentina	(1.5)	1.2	0.5	83.3	59.0	48.3	309.0	414.0	478.0
Brazil	0.3	2.9	2.7	6.6	3.8	3.6	5.3	5.7	5.8
Chile	(1.1)	2.4	2.6	7.7	3.5	3.2	929.0	924.0	941.0
Colombia	0.2	2.5	3.0	7.3	3.2	3.2	4,493.0	4,709.0	4,811.0
Peru	3.0	3.5	3.4	5.0	2.8	2.4	4.1	4.3	4.3
Rest of Europe									
Romania	3.0	3.5	2.6	5.2	3.1	2.5	4.9	5.0	5.0
North America									
USA	0.3	2.1	2.4	3.4	2.5	2.0	1.1	1.1	1.2
Mexico	0.6	2.5	2.9	5.5	3.9	3.5	23.0	24.4	25.0

1. Year end 87

## **Commodities' prices**



	2023	2024	2025
Power price - Italy (€/MWh)	256.5	244.8	168.5
Power price - Spain (€/MWh)	177.0	154.0	117.0
Gas TTF (€/MWh)	110.0	110.0	66.0
Gas Henry Hub (\$/mmbtu)	5.7	5.0	4.3
Gas PSV (€/MWh)	110.0	110.0	66.8
Oil Brent (\$/bbl)	93.0	80.0	70.0
Coal API2 (\$/ton)	270.0	215.0	170.0
CO₂ (€/ton)	84.0	89.0	91.0

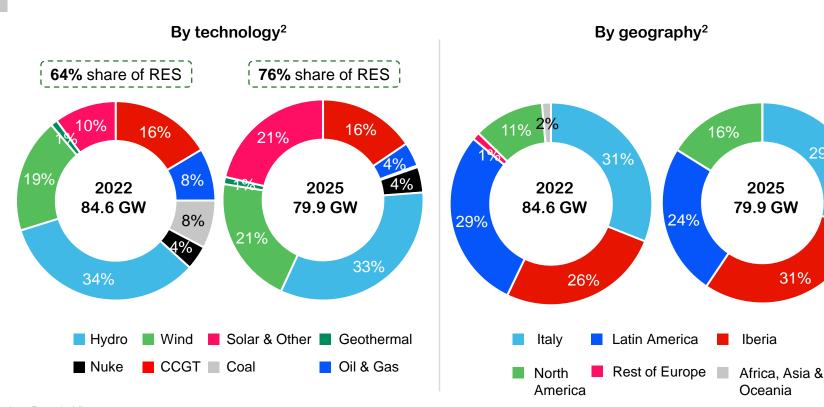
## 2023-25 Enel Green Power



### Consolidated capacity<sup>1</sup>



29%

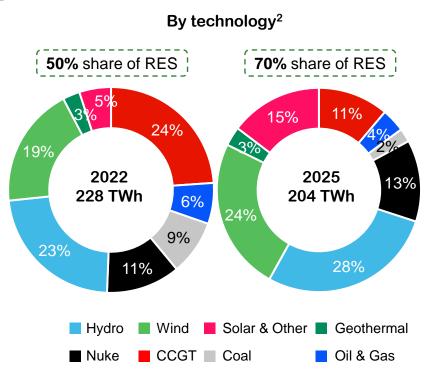


Rounded figures

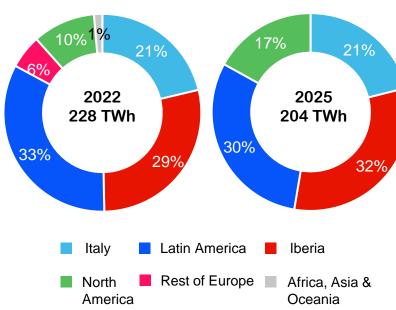
It excludes renewable managed capacity for around 5.0 GW in 2022 and 10 GW in 2023

### Consolidated production<sup>1</sup>





By geography<sup>2</sup>



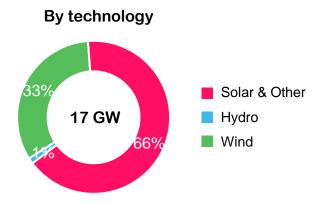
Rounded figures

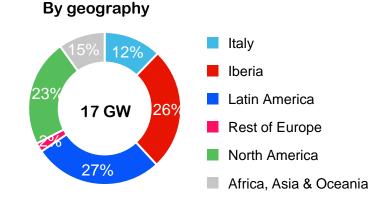
<sup>2.</sup> It excludes managed RES production for 11 TWh in 2022 and 25 TWh in 2025.

### **RES Additional Capacity<sup>1</sup> (MW)**



Mala	2023	2024	2025								Solar & Othe			Total	
It-li-			2023	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025
Italy	4	14	17	-	86	196	-	-	-	104	400	957	108	499	1,170
Iberia	11	9	3	135	639	593	-	-	-	959	887	1,170	1,105	1,535	1,766
Latin America	1	153	•	156	325	-	-	-	•	1,053	159	815	1,209	637	815
Rest of Europe	-	-	-	-	-	-	-	-	-	-	-	-		-	
North America	-	-	•	39	-	800	-	-	-	815	1,500	700	854	1,500	1,500
Africa, Asia & Oceania	-	-	•	-	-	-	-	-	•	•	-	-	-	-	-
Total	16	176	20	329	1,049	1,589	-	-	-	2,931	2,945	3,641	3,276	4,171	5,250
												Managed	1,188	1,478	1,625
												Total	4,465	5,649	6,875





### COD 2023-25 Mature Pipeline<sup>1</sup> (GW)



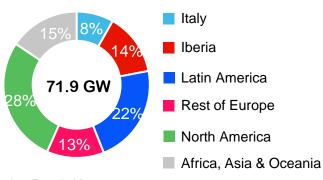
#### By geography

		COD		
	2023	2024	2025	Total
Italy	0.0	1.0	3.7	4.7
Iberia	0.0	3.0	5.2	8.2
Latin America	-	2.8	11.8	14.6
Rest of Europe	-	1.8	4.1	5.9
North America	-	3.2	12.0	15.2
Africa, Asia & Oceania	-	4.2	5.7	9.9
Total RES Pipeline	0.0	16.0	42.5	58.5
BESS	-	5.5	7.9	13.4
Total mature Pipeline	0.0	21.5	50.4	71.9

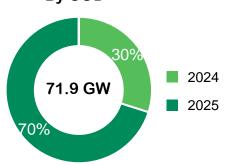
#### By technology

		COD		
	2023	2024	2025	Total
Wind		2.8	15.4	18.1
Solar	0.0	13.0	27.1	40.1
Hydro	0.0	0.1	0.0	0.1
Geothermal		0.2	0.0	0.2
Total RES Pipeline	0.0	16.0	42.5	58.5
BESS		5.5	7.9	13.4
Total mature Pipeline	0.0	21.5	50.4	71.9

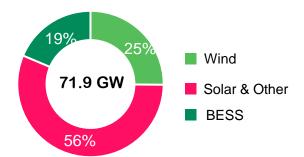
#### By geography<sup>2</sup>



#### By COD<sup>2</sup>



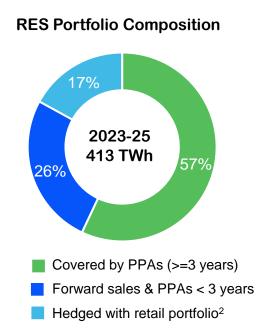
#### By technology

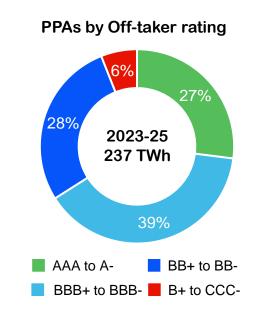


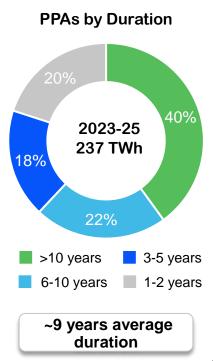
- . Rounded figures
- 2. It includes BESS capacity

### Sales Portfolio & PPAs key features<sup>1</sup>









Volumes sold forward in year n-1.

<sup>1.</sup> As of December 31<sup>st</sup>, 2022

## 2023-25 Grids



## Electricity distributed, Grid customers, Smart meters<sup>1</sup>



	Electricity di	Electricity distributed (TWh)		rs (mn)	Smart meters (mn)	
	2022	2025	2022	2025	2022	2025
Italy	220	232	31.7	31.8	31.6	32.8
Iberia	132	143	12.5	12.7	12.3	13.1
Latin America	140	87	25.4	18.2	0.7	2.4
Rest of Europe	16	-	3.1	-	1.3	-
Total	508	462	72.7	62.7	45.8	48.3

1. Rounded figures. 96

## Current regulatory framework<sup>1</sup>



	Italy	Iberia	Brazil	Chile	Colombia
WACC real pre tax 2022	5.2%	5.6%³	12.3%	7.0%4	12.1%
Next Regulatory Period	20242	2026	2023	2024	2025
Regulatory Period Length (years)	4+4	6	5 (Rio) 4 (São Paulo)	4	5
Metering Ownership	Owned by DSO	Owned by DSO	Owned by DSO	Owned by users/DSO	Owned by users/DSO
Smart meter inclusion in RAB	Yes	No	Yes	No <sup>5</sup>	No

- 1. As of November 2022
- 2. WACC update in 2025
- 3. Nominal pre tax.
- Return rate before taxes for Chile it is an estimation given that the real WACC post-tax will be 6.0%. Chile uses a Price Cap based on VNR (NRC New Replacement value)
- 5. Smart meters are not included in the RAB but they will have a regulated remuneration

## 2023-25 Enel X Global Retail



### Power & Gas customers and volumes<sup>1</sup>



	Power				Gas			
	Custome	ers (mn)	Volume	es (TWh)	Custome	ers (mn)	Volumes (bsmc)	
	2022	2025	2022	2025	2022	2025	2022	2025
Italy	21.4	17.5	97.2	89.1	4.6	4.4	4.7	4.0
Free Market	11.9	12.9	78.3	76.9	4.6	4.4	4.7	4.0
Regulated	9.5	4.5	18.9	12.1	-	-	-	-
lberia <sup>2</sup>	10.5	10.4	79.0	84.8	1.8	-	4.9	-
Free Market	6.8	7.3	70.8	76.9	1.6	-	4.8	-
Regulated	3.7	3.1	8.2	7.9	0.2	-	0.1	-
Latin America	25.4	18.2	135.1	110.3	0.0	0.0	0.3	0.3
Rest of Europe	2.9	-	9.8	-	0.2	-	0.3	-
Total	60.2	46.1	321.1	284.1	6.6	4.4	10.2	4.3

<sup>1.</sup> Rounded figures.

<sup>2.</sup> Iberia includes Spain and Portugal

B. It contemplates the impact of M&A plan currently under analysis.

### **Enel X Retail KPIs**



	Street ligh	iting (mn)	Electric	buses (#)	Storage	e (MW)	Demand Res	sponse (GW)
	2022	2025	2022	2025	2022	2025	2022	2025
Italy	1.6	1.8	154	1,292	-	11	0.6	1.4
Iberia	0.1	0.1	294	1,270	-	-	0.2	0.2
Latin America	1.3	1.3	4,326	7,444	1	-	0.1	0.2
Rest of Europe	-	-	72	536	-	14	1.2	2.0
North America	-	-	268	1,611	73	249	4.6	4.8
Africa, Asia & Oceania	-	-	207	812	1	78	1.9	3.8
Other	-	-	-	-	-	-	-	-
Total	3.0	3.3	5,321	12,964	75	352	8.5	12.4

### **Italian and Spanish Power Market – Forecast 2022**



#### Italy

	Customers (mn)					
	Regulated	Free	Total			
Business	1,5	5,6	7,1			
Residential	9,8	20,1	30,0			
Total	11,4	25,7	37,0			
Enel Market share % 1	80%	46% <sup>2</sup>	57%			

market share<sup>2</sup> 38% 49%

Enel

	Energy Sold (TWh)					
	Regulated	Free	Total			
Business	4,5	207,9	212,4			
Residential	23,1	45,1	68,2			
Total	27,6	253,0	280,6			
Enel Market share %	77%	32% <sup>2</sup>				

Enel market share <sup>2</sup> 29% 47%

#### Spain

	Cust	omers (m		
	Regulated	Free	Total	Enel Market Share %
Business	0,0	0,9	0,9	22%
Residential	10,5	18,4	28,9	33%
Total	10,5	19,3	29,8	33%
Enel Market Share %: 1	43%	27%	33%	

	Energ	y Sold (T\		
	Regulated	Free	Total	Enel Market Share % 3
Business	0,0	159,2	159,2	<b>30</b> %
Residential	29,8	82,0	111,8	27%
Total	29,8	241,2	271,0	29%
Enel Market Share % 1	34%	28%	29%	

Enel best estimate based on Forecast 2022 Regulated; % calculated on Total Regulated Market.

<sup>.</sup> Enel best estimate based on Forecast 2022 Free; % calculated on Total Free Market (not including Last Resort - "Salvaguardia" and "Tutele Graduali").

Reportugal is not included

## **Enel Group in 2030**



## **Enel Group in 2030**



	RES capacity on total <sup>1</sup>	~85%
<b>(b)</b>	Gas sold <sup>2</sup>	~3 bcm
Ç	Charging Points <sup>3</sup>	>4 mn
$\sqrt{V}$	Demand Response	>20 GW
	SAIDI	~100 min
Ş.	Digitalized grid customers	100%

- 1. It excludes BESS
- 2. It contemplates the impact of M&A plan currently under analysis
- 3. It includes public, private and interoperability charging points

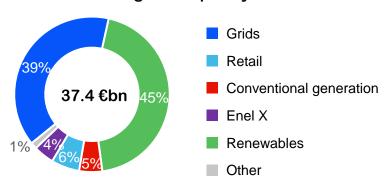
## 2023-25 Enel Group financials



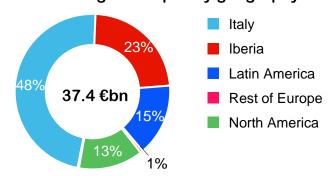
### Gross Capex¹ (€bn)



#### **Cumulated gross capex by GBL**



#### Cumulated gross capex by geography



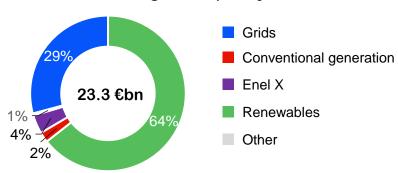
			Enel Green	Power	Enel X Global Retail																
	Conventional Generation & Trading			Renewables			Grids			Retail			Enel X <sup>2</sup>			Services & Other			Total		
	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025
Italy	0.5	0.2	0.1	1.9	1.6	1.9	3.1	3.3	3.0	0.5	0.5	0.5	0.2	0.1	0.2	0.1	0.1	-	6.3	5.8	5.6
Iberia	0.3	0.2	0.2	1.3	1.5	1.5	0.9	0.9	0.8	0.2	0.2	0.2	0.1	0.1	0.1	-	-	-	2.8	3.0	2.8
Latin America	0.1	0.1	-	1.0	0.9	0.6	1.0	0.8	0.7	0.1	0.1	-	0.1	-	-	-	-	-	2.4	1.8	1.4
Rest of Europe	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-
North America	-	-	-	0.8	1.8	2.1	-	-	-	-	-	-	0.1	0.1	0.1	-	-	-	0.9	2.0	2.2
Africa, Asia & Oceania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0.9	0.5	0.4	5.0	5.7	5.9	5.2	5.1	4.5	0.8	0.7	0.7	0.5	0.6	0.5	0.2	0.2	0.1	12.7	12.6	12.1
Total Capex 2023 - 25			1.8			16.6			14.7			2.2			1.6			0.5			37.4

- 1. Rounded figures.
- 2. It includes Enel X Way.

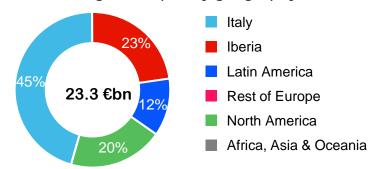
### **Asset Development Capex¹ (€bn)**



#### **Cumulated gross capex by GBL**



#### **Cumulated gross capex by geography**



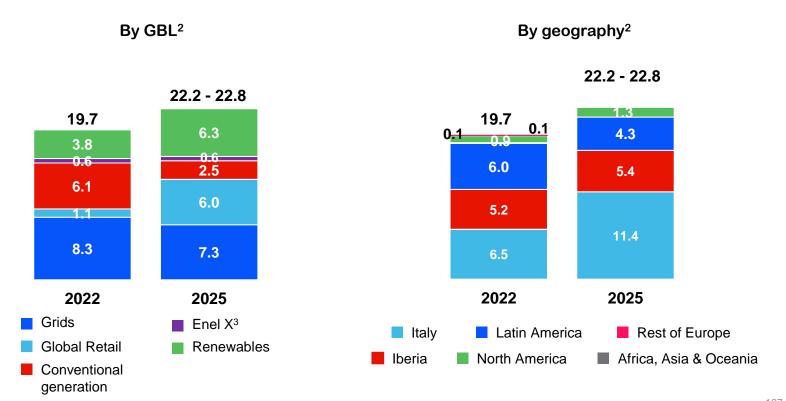
			Enel Gree	en Power						Enel X GI	obal Retail										
	Conventional Generation & Trading			Renewables			Grids			Retail			Enel X <sup>2</sup>			Services & Other			Total		
	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025
Italy	0.4	0.1	-	1.7	1.4	1.7	1.7	1.9	1.5	-	-		0.1	0.1	0.1	-	-	-	3.9	3.5	3.3
Iberia	-		-	1.2	1.4	1.4	0.4	0.4	0.3	-	-		-	0.1	0.1	-	-	-	1.6	1.9	1.8
Latin America	-		-	0.9	0.7	0.5	0.2	0.2	0.2	-	-		-	-	-	-	-	-	1.1	1.0	0.7
Rest of Europe	-		-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
North America	-		-	0.7	1.7	2.0	-	-	-	-	-		-	0.1	-	-	-	-	0.7	1.8	2.1
Africa, Asia & Oceania	-		-		-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Total	0.4	0.1	-	4.4	5.1	5.4	2.3	2.5	2.0	-	-		0.3	0.3	0.3	-	-	-	7.4	8.1	7.7
Total Capex 2023 - 25			0.5			15.0			6.8			-			0.9			0.1			23.3

1. Rounded figures.

2. It includes Enel X Way

### **Group Ordinary EBITDA**<sup>1</sup> (**€bn**)





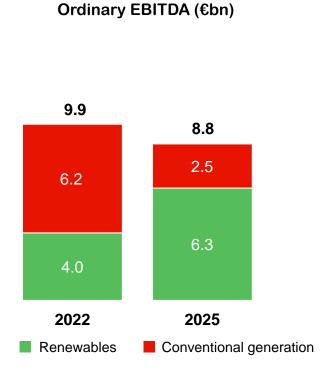
<sup>.</sup> Rounded figures

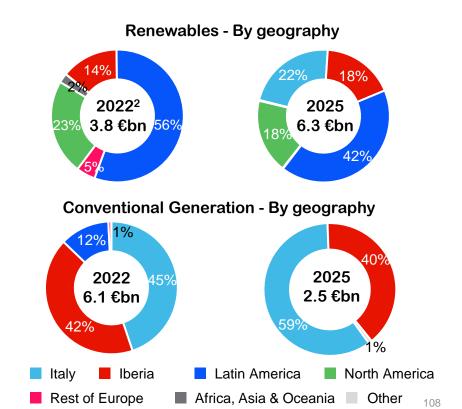
Other is not include in the breakdown

<sup>3.</sup> It includes Enel X Way

### **Enel Green Power Ordinary EBITDA**<sup>1</sup>







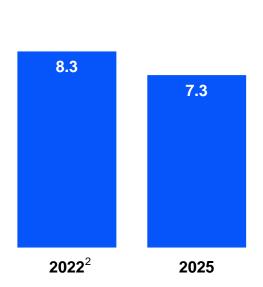
Rounded figures

<sup>2.</sup> The breakdown does not include Italy for around (0.6) €bn .

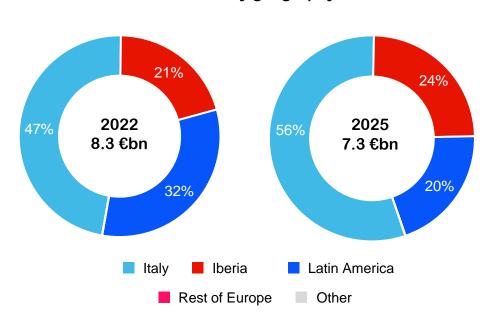
# **Grids Ordinary EBITDA**<sup>1</sup>







#### **EBITDA - By geography**



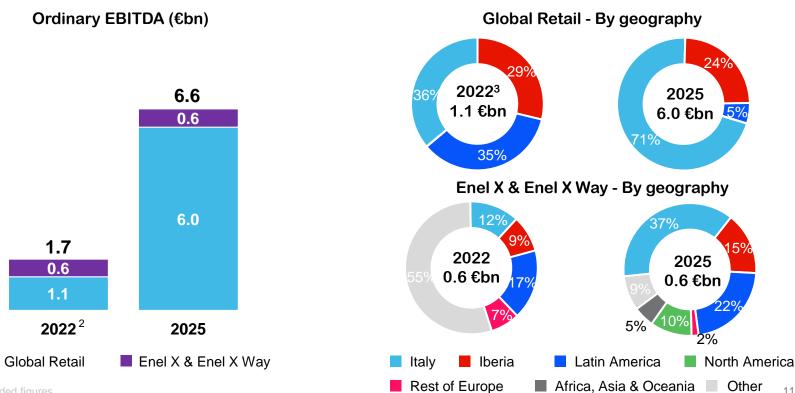
Rounded figures

<sup>2.</sup> It includes 0.8 €bn of perimeter and 0.5 €bn of stewardship

### Enel X Global Retail Ordinary EBITDA<sup>1</sup>



110

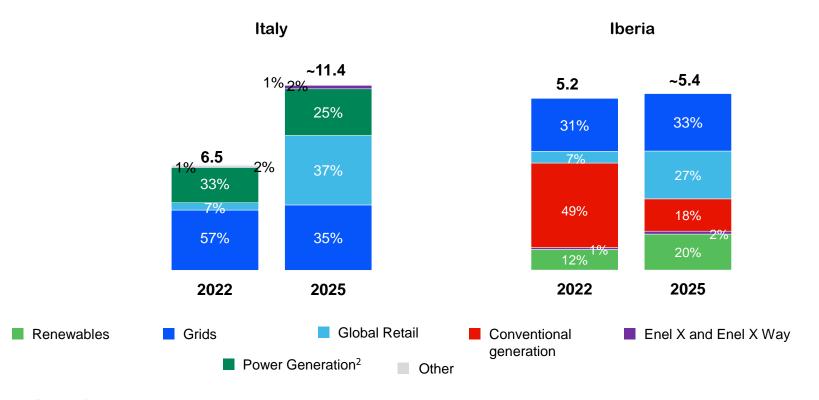


Rounded figures

This breakdown does not include Rest of Europe for around (0.1) €bn

## Ordinary EBITDA by GBLs¹ (€bn)



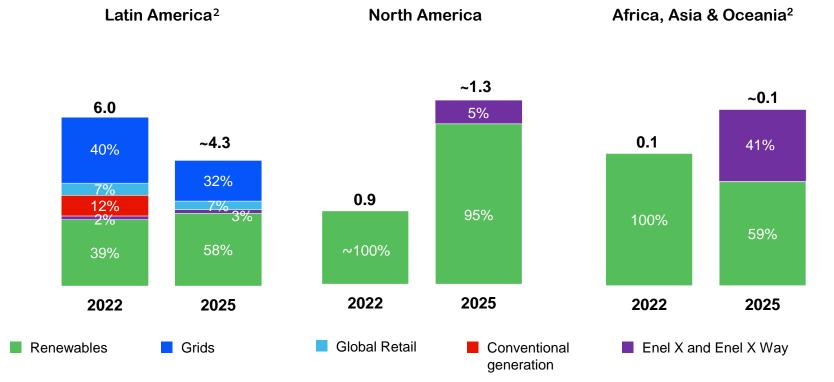


<sup>1.</sup> Rounded figures.

<sup>2.</sup> It includes Renewables and Conventional Generation

# Ordinary EBITDA by GBLs¹ (€bn)





<sup>1.</sup> Rounded figures.

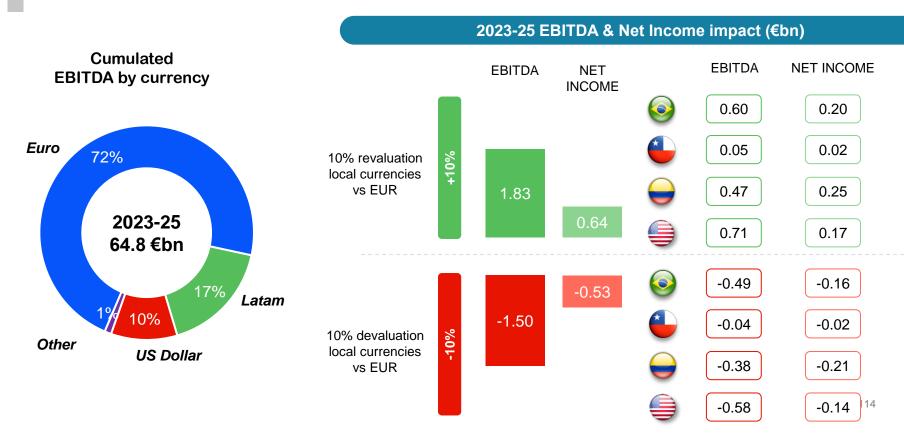
The breakdown does not include Other in 2022 and in 2025.

# Sensitivities



#### **Currencies**





# 2023-25 ESG Annexes



# Sustainability strategy



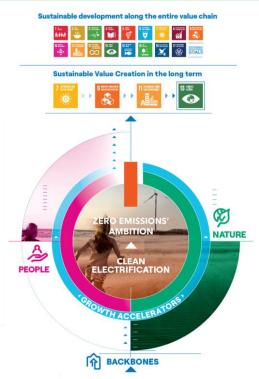
# enei

### Our strategy for sustainable progress

#### **Long-term climate strategy**

We create long-term value with and for all our stakeholders, helping them to grow and meet challenges...

- Just Transition for Enel's People
- Inclusion & Uniqueness
- Wellbeing & Welfare
- > Sustainable Supply Chain
- > Sustainability initiatives with communities
- Human Rights Policy
- ...supporting sustainable progress
  through innovation, digitalization and the circular economy
  - Circular economy
  - Cyber Security
  - Innovation



...promoting the protection of natural capital and biodiversity...

- Biodiversity
- Water
- Pollutants and waste

...with continuous improvement in health and safety objectives...

Health & Safety

#### Focus on

- Advocacy for Climate
- > Enel position in main ESG ratings
- Net Zero Company Benchmark

\_

R

117

# Long-term climate strategy















Financial Community & Partners



Enel capex plan fully aligned with 2040 Net Zero targets

Sustainability-linked instrumetrs to finance Enel decarbonization strategy

**Planet** 



Exit from coal generation by 2027 & gas generation by 2040 100% RES fleet by 2040

**Clients** 



Exit gas retail by 2040 pushing on electrification of uses 100% sales from RES by 2040 while closing the open position

**Employees & Communities** 



Enel fully supports the principles of a just transition, so that no one is left behind even in the short term

**Suppliers** 



Decarbonize the supply chain by 2040

# People











### **Just Transition for Enel's People**





Professional orientation and training for the development of our people and their skills, even more in situations impacted by the energy transition, is key to requalifying and enhancing existing potential which translates into:



- Internal redeployment and upskilling/reskilling processes for people working in coal generation, enabling them to work in other units, ensuring knowledge transfer
- Voluntary early retirement plans
- Hiring and upskilling/reskilling programs to acquire new skills and to support the generational mix and the sharing of knowledges

#### 2022E

- ~40% of people leaving coal power plants in 2022 are redeployed and attended upskilling and reskilling programs (67 hours per capita)
- > 30% of overall training dedicated to total employees conducted on reskilling and upskilling
- Coal redeployed people: ~80% within GPG perimeter, ~20% to other Enel business areas

#### 2023-2025 Targets

- 70% of people leaving coal power plants will be redeployed, attending upskilling and reskilling program. The other 30% will be involved in early retirement plans
- Overall training dedicated to total employees up to 40% to reskilling and upskilling
- Strengthening of 'internal training' approach











# Inclusion of people's multiple and unique talents is an essential factor in Enel's approach to create long term value for all stakeholders

#### **Purpose**

- Enel puts in place an organic set of actions aimed at:
- > allowing expression of **people uniqueness** ensuring nondiscrimination, equal opportunities, equal dignity, and inclusion of every person regardless to **any form of diversity**;
- > promoting cultural conditions for an **inclusive** and **unbiased workplace** that ensures a coherent mix of diversity in terms of skills, qualities and experiences that create value for people and business.

Human Rights Policy
Global Diversity &
Inclusion Policy
Global Workplace
Harassment Policy
Statement against
harassment

1	Empower the growth and increase representation of
	women in the organization

- Promote the inclusion of **people**with disability: implement
  inclusive work travel services
- 3 Promote initiatives to spread intercultural inclusion culture

Actions and Targets

Female

Managers (%)

Female middle managers (%)

Women in selection processes<sup>1</sup> (%)

Gender

2022E 2025 24.3 26.9

dle %) **31.8** 

50.0

34.1

2 Disability

Global inclusive travel adoption<sup>2</sup> (%)

45

2022E

80

2025

Interculturality

Intercultural initiatives<sup>3</sup> (# countries)

2022E

2025

8 11

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 monitored in the recruiting phase. 2. % Enel Headcounts covered with at least 1 of the services (assistance, accompaniment, inclusive and accessible services)

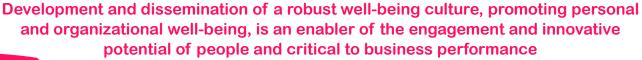
3. # of countries of implementation of initiatives to increase inclusion of different ethnicity and raise awareness on diversity (workshops, training programs and communication campaigns)







### Wellbeing & Welfare





Purpose and Actions

- Promote a high level of Wellbeing for all Enel People that also has a positive "radial" reverberation even outside the organizational context by:
- Developing a metric common to all countries: an Overall Wellbeing Index that measures Wellbeing at 360°
   both work and private life through an annual survey;
- > Creating a **Global Wellbeing Program** that keeps People constantly informed, aware and engaged on their psychological, physical, social wellbeing and work-life harmony.

#### Global Overall Wellbeing Index<sup>1</sup>

2022E 2025 **59% 61%**  A Global program to measure, support and improve people wellbeing

- Based on people listening
- Program to be launched in December 2022
- Addressed to all employees
- To support psychophysical wellbeing

<sup>1. %</sup> of People quite or very much satisfied with their general wellbeing (personal life and work) – annual survey. Due to its extensive meaning, the kpi encompasses all factors that may influence the overall wellbeing of Enel's people. This includes both exogenous effects (such as pandemics, socio-economic issues, politics, climate i.e.) as well as endogenous ones, on which Enel is committed to intervene with its Wellbing&Welfare actions











Health & Safety
Environment Circular Economy
Human Rights & Social

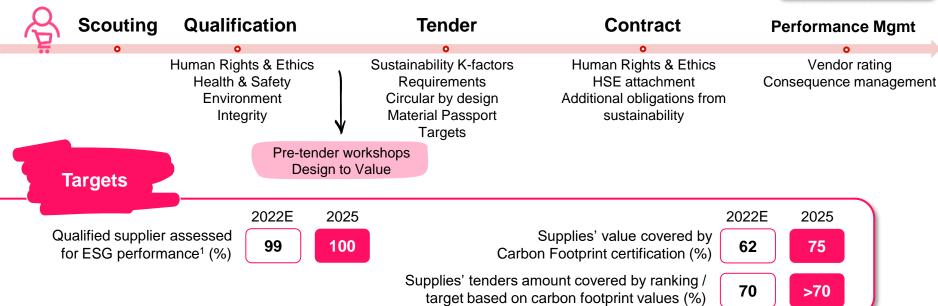
Partnerships with suppliers



+ Innovation by vendors

Procurement involves suppliers in some innovation challenges









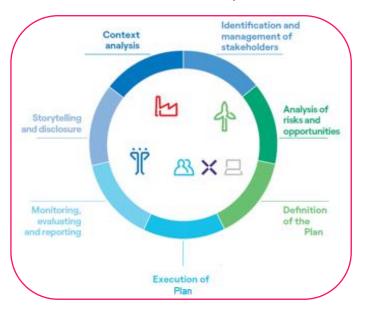








Key pillar of our strategy is to establish solid, long-lasting relationships with local communities, integrating socio-economic factors within business processes



- An approach along the entire value chain: business development, supply chain & design, engineering and construction, operation and maintenance up to the end of life through:
  - proactive stakeholder engagement and addressing community needs in the design phase of our initiatives;
  - sustainable and circular approach embedded along the entire value chain:
  - promoting inclusive business initiatives for vulnerable clients (both physical, social and economic).

#### Value created for communities

	2022E	2030	
Quality education <sup>1</sup>	3.8	5	4 introcent
Affordable and clean energy <sup>1</sup>	15.7	20	7 EMPHARITE
Decent work, inclusive and sustainable economic growth <sup>1</sup>	4.1	8	8 IMBROGRANUSO ESTRUCTOR E













# Human Rights: Enel's public commitment based on the voluntary international reference standards



#### 2021 update



#### Key updates

- Added description of Enel's commitment to respecting human rights along the value chain, and specifically: i) mission; ii) contribution to the United Nations Sustainable Development Goals; iii) commitment to a just and inclusive energy transition.
- Update process carried out in line with the "UN Global Compact Guide for business: how to develop a Human Rights Policy" with an active involvement of key Enel's stakeholders.
- Increased granularity in the "Communities and Society" section, adding a few subprinciples:
  - > "Environment" establishing a connection with human rights, ensuring alignment to the environmental policy and introducing the notion of respect of biodiversity;
  - "Respecting the rights of local communities" and "Respecting the rights of indigenous and tribal peoples", in line with ILO Convention n. 169, both formerly included in the overall "Respecting the rights of communities";
  - > Split of "Privacy and communications" in two principles, "Privacy" and "Communications" and strengthening of the messages of both jointly with a more detailed correlation with customers.

# **Nature**

















Enel is committed to apply the Mitigation Hierarchy principle to avoid and prevent negative impacts respecting the No Net Loss principle when building new infrastructures

- Including **Biodiversity Risks Assessment** to evaluate company-wide risk
- Developing a Biodiversity Action Plan taking into account the specific aspects of local environments
- Minimizing the impact of Enel sites on habitats and species included on the Red List of the IUCN<sup>1</sup>



2022E **2023-25 Targets** 

- Improving processes for risk assessment and biodiversity management
- Implementation of the Biodiversity performance monitoring on significant projects
- Participation to **Business for Nature Coalition**. to SBTN's Corporate Engagement Program, to **TNFD** Forum and to **WBCSD** piloting activities

- Incorporation of nature-related risk and opportunity assessment into all company activities
- Assessment of all relevant assets and revision of Nature restoration Plan on infrastructure
- Enlarge and consolidate scientific and industrial partnerships
- Adopting quantitative biodiversity performance indicators on generation and distribution assets



- No Go in UNESCO areas<sup>2</sup>
- No Net Loss on selected projects in highly importance biodiversity areas starting from 2025

- **Biodiversity No Net Loss** for new infrastructures by 2030
- No Net Deforestation by 2030





### **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** in order to ensure that **water** resources can be **managed efficiently** 

#### Freshwater withdrawal

2022E

In water stressed areas 22%

stressed areas
In the whole

2022E

0.13

0.25

Reduction vs baseline year 2017<sup>2</sup>

2022E

-44%

Specific freshwater withdrawal<sup>1</sup> (I/kWh)

2025

-61%

2030

-65%

Target revised to strengthen Protection of Natural Capital

In water

perimeter

. It excludes new Green Hydrogen Production Plants. 2017 baseline recalculated

<sup>1.</sup> Ratio between: a) all the freshwater withdrawal quotas from surface, groundwater and third parties; b) the total production + heatlt.





# **Environmental Sustainability - Pollutants and Waste**







Enel commitment to **improving** the **air quality** in **areas** where the **Group operates** is testified by the constant reduction of the main atmospheric pollutants associated with thermal production



Environmental key performance indicators Policy

**Pollutants** 

- Sulphur dioxide (SO<sub>2</sub>) and Dust mainly associated to coal production, but also to Oil & Gas
- Nitrogen oxides (NOx) mainly associated to gas production

Waste Reduction

Constant commitment towards **reduction of waste** production, as well as to the definition of new methods of reuse, recycling and recovery in the perspective of a **circular economy** 

#### Reduction vs baseline year 2017

SO<sub>2</sub> Specific Emissions<sup>1</sup> (g/kWh)

-92%

2022E

-93%

2025

-94%

2030

Dust Specific Emissions<sup>1</sup> (g/kWh)

-98%

2022E

-98%

2025

-98%

2030

NOx Specific Emissions<sup>1</sup> (q/kWh)

-57%

-66%

-70%

Waste<sup>2</sup> (Mt)

-80%

<sup>1.</sup> Target in line with 2030 Scope 1 emissions reduction target certified by SBTi

Extended perimeter to all O&M activities performed by Enel and contractors

# **Backbones**





### **Health & Safety**

Health & Safety Management system is based on hazard identification, on qualitative and quantitative risk analysis. Certification of the whole Group according to ISO 45001 and relative implementation

Data driven performance evaluation

**Data-driven approach** based on digital tools, dashboard and analytics, used both for **prevention** and **Consequence Management** 

Focus on **serious injuries** (absence from work of more than 3 days) and **dangerous events** (High Potential)



Human Rights Policy
Health & Safety Policy
Extra checking on site
Policy

Culture dissemination

A specific function (**SHE Factory**) promotes the dissemination of a different cultural approach to **Health**, **Safety**, **Environment** issues by everyone

Safety on supplier management

Integration into the procurement processes. Suppliers are monitored both in qualification system, and in the contract execution phase through a control system (e.g. Supplier Performance Management (SPM), Contractor Safety Assessments, Evaluation Groups, operational controls in the field)

2022E 2025 -1% Lost Time Injury 0.51 YoY Frequency Rate<sup>1</sup> (-22% vs 2021) -1% More than 3 day 0.35 YoY Frequency Rate<sup>2</sup> (-19% vs 2021) -1% **High Potential** 0.071 YoY Accident FR3 (-24% vs 2021)

<sup>1.</sup> Number of accident with at least one day of absence from work / million worked hours.

<sup>2.</sup> Number of accident with more than three days of absence from work / million worked hours. The 2025 data is to be considered a projection and not a target.

<sup>3.</sup> An accident whose dynamic, independently from the damage, could have resulted in a Life Changing Accident or in a Fatal Accident. The 2025 data is to be considered a projection and not a target.

# Growth Accelerators







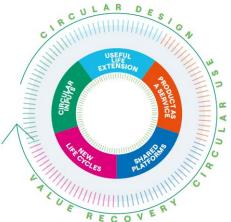




# **Circular economy**



Enel's vision of the circular economy stands on five pillars that define the related context and methods of application



# Circularity improvement<sup>1</sup>

2022E

2030

57%

92%

In 2023 Enel will define a new target which considers the resources used by all the business lines compared to EBITDA generated<sup>2</sup>

# The 5 pillars

Circular Inputs

Production and use model based on renewable inputs or previous life cycles (reuse and recycling)

Life extension

Approach to the design and management of an asset or product in order to **extend** its **useful life** 

Product as a Service

Business model in which the customer purchases a service for a limited time while the company maintains the properties of the product, maximizing the utilization factor and useful life

Shared > Platforms

Management systems in common among multiple users

New life cycle

Any solution to **preserve** the **value** of an asset at the **end of a life cycle** through reuse, regeneration, upcycling or recycling

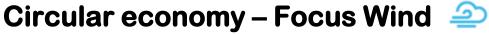
- 1. Materials and fuel consumption reduction of the Group's power fleet throughout the life cycle, compared to 2015
- 2. It will consider all the resource consumed (tons of materials and fuel) related to asset for energy production and distribution, energy sold to customer, technology and solution for the customers compared with the Group EBITDA

















#### **Inputs Material**

- Main materials used:
  - Steel
  - Concrete
  - **Fiberglass**
  - Copper
  - **Aluminium**

#### **OC** Useful Life

- 25 years average lifetime
- **Expected volume** at end of life considering the installed capacity<sup>1</sup>:
  - ~ 970 MW before 2030
  - ~ 1.700 MW 2031-35
  - ~ 4.000 MW 2036-40
  - ~ 10.000 MW after 2040

#### **New Life Cycle**

- Current recyclability of WTGs
- ~ 80% (steel, aluminium, copper already fully recycled)
- **Estimated recyclability of WTGs** at 2025 ~ 90% (improvement in the recycling of fiberglass)

#### **KEY INITIATIVES (examples)**

#### New solutions for wind



Development of new materials more sustainable, performing and recyclable through collaboration with start-ups and major players (e.g. wood based tower with a potential CO2 reduction per KWh of 90%).

#### Recycling plant for \ wind blades

In Spain (capacity 6.000 tons/year), and in Italy (capacity 4.000 tons/year)



With the aim of reusing recycled fiberglass back into the wind energy sector and other sectors that may require such composites.

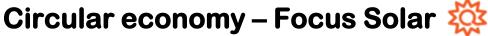
End of 2021

















#### **Inputs Material**

- Main materials used:
  - > Aluminium
  - Glass
  - Copper
  - Steel
  - Concrete
  - > Silicon
  - Silver

#### **OC** Useful Life

- 25 years average lifetime
- No significant volume at the end of life expected before 2040 considering the installed capacity<sup>1</sup>

#### New Life Cycle

- Current recyclability ~ 80% (steel, aluminum, copper, glass already fully recycled)
- Estimated recyclability at 2025 ~ 95% (improvement in the recycling rate of precious materials (silicon, silver etc).

#### **KEY INITIATIVES (examples)**

#### PV Circular Design (3SUN)



Evaluation of the possibility to introduce recycled materials into the production process, such as replacing the glass of the panels with recycled plastic.

#### Photorama project for PV Recycling



EU Funded projects in collaboration with 14 partners with the aim to identify a suitable treatment for the recovery of precious materials reaching a total recycling rate of 95 %.

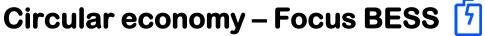
End of 2021















#### **Inputs Material**

- Main materials used:
  - > Lithium > Copper
  - > Graphite
  - > Iron
  - > Phosphorus
  - > Steel
  - **>** Concrete
  - > Aluminium

#### **Useful Life**

- > 15 years average lifetime
- No significant volume at the end of life expected before 2040 considering the installed capacity<sup>1</sup>



#### **New Life Cycle**

- Current recyclability ~ 50% (steel, copper fully recycled)
- Estimated recyclability at 2025 ~ 70% (improvement in the recycling of cells material)

#### **KEY INITIATIVES (examples)**

#### New materials and solutions for storage



For example, thermal storage that use materials (rocks, pipes and casings) that are to be considered environmentally sustainable and not critical.



Second life solutions for EV Batteries to be reused as storage systems (Melilla, Pioneer) and Battery recycling plant in Spain (8.000 tons/year) to recover precious materials as lithium etc.

1. End of 2021.





## **Cyber security**

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
Structure and
Governance

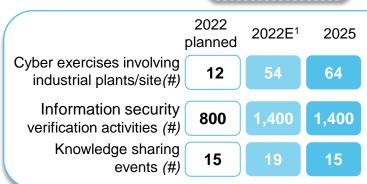
From the **organizational point of view**, Enel Group has set up, since September 2016, within the **Global Digital Solutions Function**, a "**Cyber Security" unit**, committed to guarantee **governance**, **direction** and **control of cyber security topics**.
The Head of Cyber Security unit, which is also the Enel Group

CISO, directly reports to the Head of Global Digital Solutions function (CIO).

Furthermore, the **Cyber Security Committee**, chaired by the Group's CEO and made up of his/her front lines, addresses/approves the cyber security strategy and periodically checks the progress of its implementation.

Cyber Emergency Readiness Team CERT Enel disposes of its own **CERT**, whose mission is to protect the Group's constituency, i.e., all employees and assets (instrumental to Enel's business that could be compromised by cyber threats), promoting a proactive approach based on

"incident readiness" rather than "incident response". Incident Response, Threat Intelligence and Information Sharing are the processes the unit operates with, also exchanging information within a network of accredited international partners.



People cyber empowerment journey

The journey drives Enel people to be the first line of cyber defense and is powered by an Awareness Development.

Program and an Anti-Phishing Program that leverage on different communication channels and diffusion tools.





### **Innovation**



3 Labs dedicated to startups



- > 13,650+ Startups scouted
- > 125+ scaled-up
- > 545+ engaged in projects
- 9 Hubs involved

#### Crowdsourcing<sup>2</sup> Partnerships<sup>3</sup>

- > 200+ Challenges
- > 11,000+ Proposals collected

> 800+ Innovation and sustainability partnerships

Silicon Valley

Proof of Concept launched (#)

201

2022E

445

2023-25

Solutions under scaleup in the business (#)

Milano Pisa

Catania

Tel Aviv

Be'er Sheva Lab

O 3 Hub & Lab

Madrid 👩

Rio de Janéiro San Paolo Lab

O 6 Hub

Santiago 💍

Boston

69

126

 The Hubs handle relations with all players involved in innovation activities and are the main source of research for innovative startups and SMEs. The Labs allow start-ups to develop and test solutions together with our Business Lines. Data from 2015 to 9M 2022.

2. Data from 2017 to 9M 2022.

3. Active partnerships as of 9M 2022.

13





### Innovation projects samples

#### **Storage X-Lab**

Modular living labs to develop, test and validate BESS technologies for domestic. commercial and industrial uses. In addition, the labs allow Enel X to develop algorithms, making use of artificial intelligence, for the optimal usage of energy storage systems in several use cases, including Front of The Meter large power plants, aggregations in Virtual Power Plants and energy communities.



#### **Skybot**

Development of a robotic platform remotely controlled by operators, that executes maintenance and construction tasks on the **electrical grid** (both on deenergized and live voltage conditions) zeroing all risk of falls and electrocutions and increasing efficiency and quality of service. Prototype development ongoing.



#### Gravitational storage system

New long duration storage technology using heavy loads are carried up/down to store/release gravitational energy. The system will reduce the dependency on critical raw materials through the recycling of decommissioned wind turbine blades into the weights used by their innovative gravitational energy storage system.

Operation expected to start in March 2024.



#### **Biometric voice** recognition

Use of voice biometrics as an element of customer authentication in call centers in two-step process: Enrollment (Request to identified customers to create their voice print from the recording of just 5 seconds of conversation with the agent);

Authentication (Voice identification of the client with only 3 seconds of conversation, comparing your voice with your previously stored voice print).



# Focus on...



### **Advocacy for Climate**



# Enel is committed to ensuring that its advocacy activities are conducted in line with the Paris Agreement

# Direct advocacy

- Enel's positioning on key climate related issues is reflected by its direct advocacy activities with the EU and other governmental authorities:
  - Enel supports the European Green Deal and RepowerEU;
  - Enel supports the EU Climate Law;
  - Enel supports the EU's proposed ETS reform, which must be strengthened and supported by a CBAM;
  - Enel welcomes the Commission's initiative to review the Renewable Energy Directive;
  - The Enel Group actively promotes renewable hydrogen;
  - The Enel Group is actively promoting e-mobility;
  - > Enel fully supports the European building renovation strategy;
  - > Enel has involved various stakeholders in the European Commission's New Circular Economy Action Plan.

# Indirect advocacy

- > Enel discloses the list of all associations it collaborates with on climate related issues.
- Enel systematically verifies that the positions of such associations are consistent with the Paris Agreement and the Group's climate policies:
  - before joining the association, through an in-depth analysis of the body's by-laws;
  - after joining the association, contributing to its work and/or promoting the Enel Group's position within working groups;
  - in case of inconsistency Enel assesses the misalignment and could eventually withdraws from the association.
- > Enel discloses the level of alignment of the main associations<sup>1</sup> with the Paris Agreement.
- The level of alignment of all associations to be disclosed in 2023.

<sup>1.</sup> The assessment is based on targeted evaluations on the science of climate change, climate policies at global and national level, disclosures on the topic, and technologies proposed.

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





Highest score among utilities with integrated business model in the S&P CSA rating



Sector leader in the Refinitiv ESG and FTSE Russell ESG ratings



First position in the utility sector in Vigeo Eiris ESG

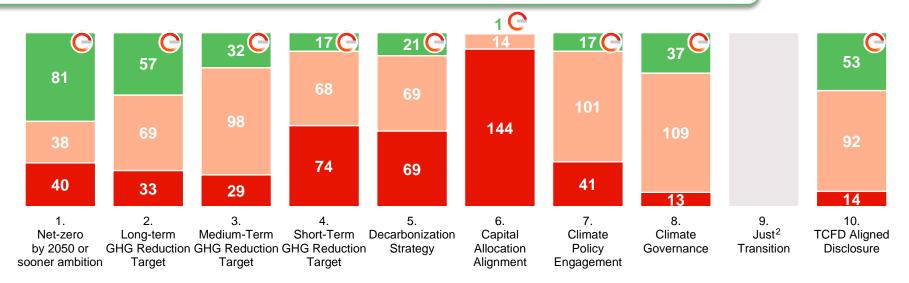
Industry average 🚑

<sup>&</sup>lt;sup>1</sup> Refinitiv does not provide an industry average.

# Climate Action 100+ Net Zero Company Benchmark



# Enel is the first and only company to fully align disclosures with Climate Action 100+ Net Zero Company Benchmark<sup>1</sup>



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

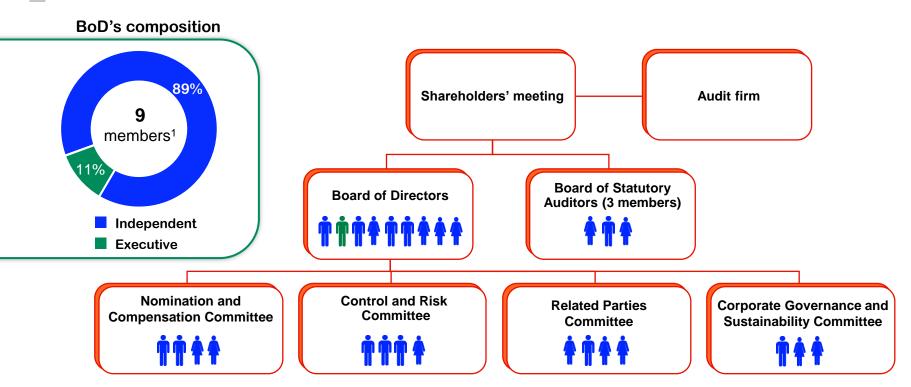
- 1. Around 160 companies targeted by the Net Zero Company Benchmark.
- 2. Assesment not publicly disclosed.

# **Corporate Governance**



# **Corporate Governance Structure**





<sup>1.</sup> Out of which 3 Directors drawn from the slate filed by a group of mutual funds and other institutional investors.

## **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.

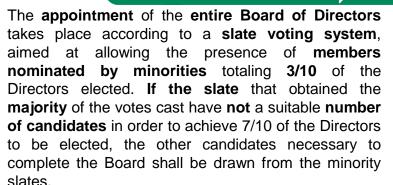
# Gender balance

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 may be presented by the outgoing Board or by shareholders who, individually or together with other shareholders, own at least 0.5% of the share capital.

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 composition**



#### **Board of Directors**





Chair

(C) Corp. Governance & Sust. C.

Francesco Starace



CEO and

General Manager

**Cesare Calari** 



(C) Control & Risk C.

Nomination & Compensation C.

Costanza Esclapon de Villeneuve



Corp. Governance & Sust. C. Nomination & Compensation C.

Samuel Leupold



Control & Risk C. Related Parties C.

**Alberto Marchi** 



(C) Nomination & Compensation C. Control & Risk C.

Mariana Mazzucato (



Corp. Governance & Sust. C. Related Parties C.

Mirella Pellegrini



Control & Risk C. Related Parties C.

**Anna Chiara Svelto** 



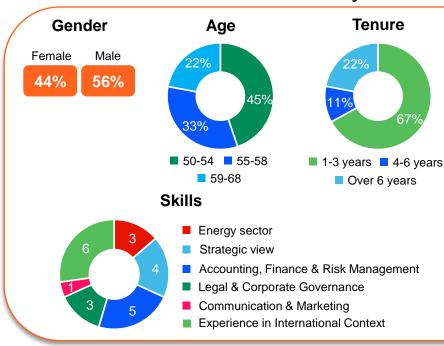
(C) Related Parties C. Nomination & Compensation C.

Executive

Independent

(C) Chair

### **Board of Directors' diversity**



# **CEO Remuneration**Overall structure



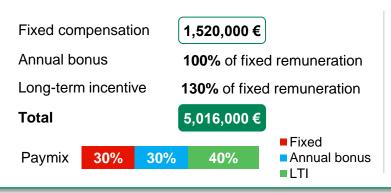
### Compensation accrued in 2021 equal to: 4,580,456 € (-33% vs 2020)

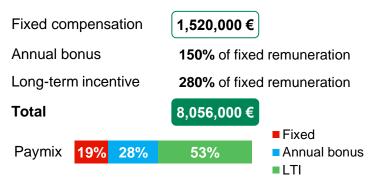
Enel's position vs the Peer Group<sup>1</sup>

- Market Cap: between the third quartile and the ninth decile<sup>2</sup>
- Revenues: between the third quartile and the ninth decile<sup>2</sup>
- **Employees:** between the median and third quartile<sup>2</sup>

#### **Compensation at Target level**

### **Compensation at Maximum level**





Total Direct
Compensation is
between the
median and the
third quartile of
the Peer Group for
both Target and
Maximum levels

<sup>1.</sup> Eni, Leonardo, Prysmian, Stellantis, Terna, TIM, EdP, Engie, E.On, Iberdrola, National Grid, Naturgy, Orsted, RWE, Airbus, Royal Dutch Shell, SAP, Schneider Electric, Siemens, Total.

Data as of December 31, 2020. For Stellantis, the latest available data regarding the remuneration treatment of Fiat Chrysler Automobiles - FCA directors, published for the 2021 AGM season, were considered.

# CEO's short-term variable remuneration<sup>1</sup>



Macro objective	Objective	Weight <sup>2</sup>	Veight <sup>2</sup> Entry Target (50%) (100%)		<b>Over</b> (150%)	Type of target
Profitability	Ordinary consolidated net income	40%	5.50 €bn	5.67 <b>€</b> bn	5.84 €bn	Economic
Efficiency	Group Opex	10%	8.11 €bn	8.03 €bn	7.95 <b>€</b> bn	Economic
Cash and debt management	FFO/Consolidated net financial debt	20%	22.2%	22.8%	23.5%	Financial
Safety	Safety in the workplace	20%	FI <sup>3</sup> < 0.52 & FA <sup>4</sup> ≤ 6	FI <sup>3</sup> < 0.43 & FA <sup>4</sup> ≤ 6	FI <sup>3</sup> < 0.40 & FA <sup>4</sup> ≤ 6	ESG
Customer Satisfaction	Claims + SAIDI	10%	GC <sup>5</sup> =320/10,000 users IC <sup>6</sup> ≤150/10,000 users SAIDI <sup>7</sup> ≤ 242 min	GC <sup>5</sup> =310/10,000 users IC <sup>6</sup> ≤150/10,000 users SAIDI <sup>7</sup> ≤ 242 min	GC <sup>5</sup> =300/10,000 users $IC^6 \le 150/10,000$ users $SAIDI^7 \le 242$ min	

- 1. Management by objectives (MBO) 2022
- 2. (%) Weight in the variable remuneration
- FI: Work-related accident Frequency Index = 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 2022, except for road events (Enel + contractors)
- 5. GC: Commercial complaints at Group level
- 6. IC: Commercial complaints on the open commodities market in Italy (gateway objective)
- 7. SAIDI: System Average Interruption Duration Index (gateway objective)

# **CEO's short term variable remuneration**Changes vs 2021 remuneration policy<sup>1</sup>

/ claims, weight reduced to 10%



most relevant dimension and greatest value creation for Enel

2021 MBO		2022 MBO	Underlying rationale
Ordinary consolidated net income (weight 35%)	>	Objective unchanged, weight increased to 40%	
Group Opex (weight 20%)	>	Objective unchanged, weight reduced to 10%	Further emphasize the importance of maintaining a solid financial structure and growth in terms of profitability for the Group, ensuring that the progressive increase in investments can develop in an environment characterized by an adequate return for shareholders and adequate levels of operating efficiency
FFO/Consolidated net financial debt (weight 15%)	>	Objective unchanged, weight increased to 20%	or operating emciency
Safety in the workplace (weight 15%)	>	Objective unchanged, weight increased to 20%	In consideration of the central role of ensuring <b>safety in the workplace</b> and the non-achievement of this objective in 2020 and 2021
SAIDI (woight 15%)	>	Objective widen to include	Measure <b>customers' satisfaction</b> also through the number of claims - considering their central role in the electrification process – with a focus on Italy, the market of

(weight 15%)

# **Long-term variable remuneration**<sup>1</sup> 130% of the base amount is assigned in Enel shares<sup>2</sup>



Macro objective	e Objective	Weight <sup>3</sup>	<b>Target</b> (130%) <sup>4</sup>	<b>Over I</b> (150%)	Over II (280%) <sup>4</sup>	Type of target	
Performance	TSR <sup>5</sup>	50%	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 <sup>6</sup>	30%	= 11.9%	= 12.2%	≥ 12.5%	Economic	
Climate Change	GHG Scope 1 emissions reduction <sup>7</sup>	10%	= 140 gCO <sub>2eq</sub> /kWh <sub>eq</sub>	= 137 gCO <sub>2eq</sub> /kWh <sub>eq</sub>	≤ 135 gCO <sub>2eq</sub> /kWh <sub>eq</sub>	ESG	
Gender Gap	% of women in top mgn succession plans <sup>8</sup>	nt 10%	= 45%	= 47%	≥ 50%	ESG	

- Long-Term Incentive (LTI) Plan 2022. Performance period: January 1, 2022 December 31, 2024.
   30% payment (if any) in the 4th year. 70% payment (if any) in the 5th year (deferred payment)
- For the CEO/General Manager. 65% for the other beneficiaries of the LTI Plan 2022 (c.300 managers)
  - 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
- 3. (%) Weight in the variable remuneration for the CEO/General Manager

- 1. 100% at Target and 180% at Over II for the other beneficiaries of the LTI Plan 2022
- Average TSR Enel compared to average TSR EUROSTOXX Utilities Index-EMU, calculated in the 3-year period 2022-2024
- 6. For the 3-year period 2022-2024
- 7. GHG Scope 1 emissions per kWh equivalent produced by the Group in 2024
- 8. At the end of 2024

# **Long-term variable remuneration**Changes vs 2021 remuneration policy<sup>1</sup>



term and set the basis for the wished adoption of a policy ensuring an adequate

share ownership by the CEO and Executives with strategic responsibilities

2021 LTI		2022 LTI	Underlying rationale
ROACE (weight 25%)	>	Objective substituted with Cumulative ROIC - WACC, weight increased to 30%	Financial markets consider ROIC - WACC a better measure of a company's ability to create value in the medium-long term
% of women in mgmt. succession plans (weight 5%)	>	Objective focused on top management, weight increased to 10%	Encourage fair representation of women in the bases that supply managerial succession plans, with particular reference to top positions
Renewable capacity on total (weight 10%)	>	Objective removed	Prevent the use of a performance indicator linked exclusively to volume growth without taking into adequate account the priorities represented by profitability and financial balance
Shara company for CEO		Share component for CEO	Ensuring a further alignment with the interests of the shareholders in the long

increased to 130%

of the base amount2

2. From 50% to 65% for the other beneficiaries of the LTI Plan 2022

**Share component for CEO:** 

100% of the base amount

<sup>1.</sup> Fixed remuneration and performance scale unchanged. TSR and GHG Scope 1 emissions reduction: objectives and weights unchanged

# **CEO remuneration Termination agreements**



### Pro rata temporis rule

In case of **misalignment** between the **performance period** of the 2022 **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 confirmed 1

### **Severance payment**

- > It was confirmed a severance payment equal 2 years of fixed compensation payable only in the event of:
  - > revocation or non-renewal of the CEO/GM without just cause;
  - > 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 one year and within specific Countries², for a consideration equal to a maximum amount of 3,300,000 €.

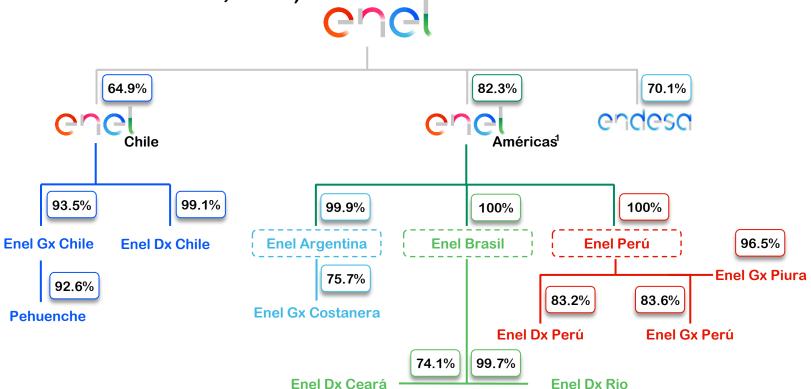
2. Namely in the following Countries: Italy, France, Spain, Germany, Chile and Brazil.

<sup>1.</sup> 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 2022 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.



**Enel Group's listed companies** 

(as of December 31st, 2022)



1. Also operating in Colombia and Central America through unlisted companies

Unlisted companies

## **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, Alberto De Paoli, declares that the accounting information contained herein correspond to document results, books and accounting records.

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