Endesa 2020-22 Strategic Plan Update

November 27, 2019







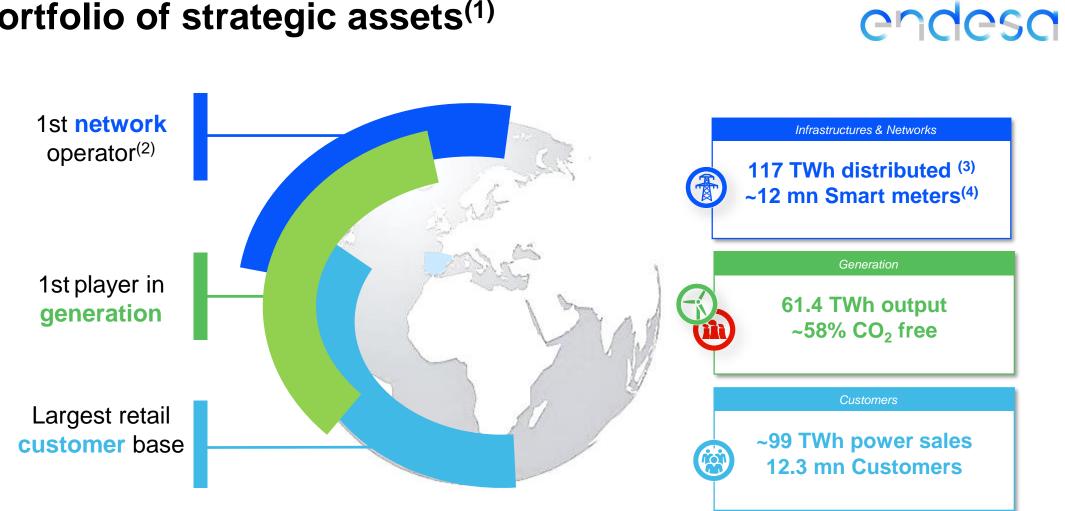
José Bogas CEO	Our Positioning
	Our vision

Luca Passa CFO	Strategic Plan	Strategic plan		
	Update: 2020-22	Key Financial Indicators		

José Bogas	Closing Remarks
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Endesa 2020-22 Strategic Plan Update

Our positioning



First integrated player leading energy transition in Iberia

A portfolio of strategic assets⁽¹⁾

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(1) 2019E By distributed energy (2)

(4)

Delivery on 2019-21 Strategic Plan: operating targets



	2018	2019E	2019-21 Old plan	
Renewables focus (% of total capacity)	29%	31%	38%	Decarbonisation
CO_2 Footprint (% CO_2 emission free generation)	~50%	58%	~56%	Decarbonisation
Power Integrated Margin (€/MWh)	25.7	26	~27	
Sales (TWh liberalized ⁽¹⁾)	~82	83	90	Customer value
Endesa X (mn e-home clients)	2.1	2.2	2.5	
Digitalisation (€mn Digital Capex)	0.3	0.7 ⁽²⁾	1.3 ⁽³⁾	Digitalisation

Ahead of target

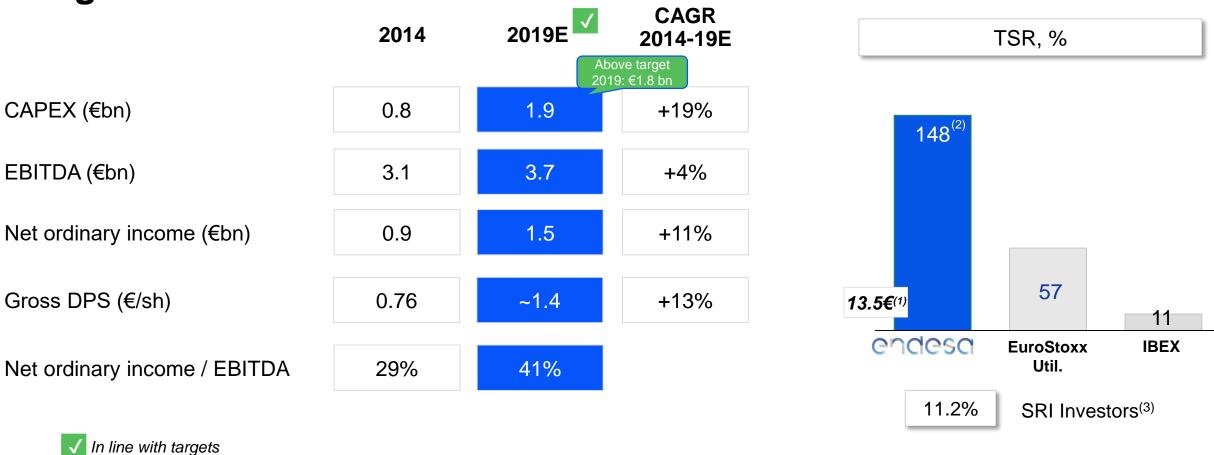
Sound progress on all strategic pillars

(1) Excluding international sales and Small Consumer Voluntary Price (SCVP)

(2) Cumulated figure 2018-2019E

(3) Cumulated figure 2018-2021

Delivery on 2019-21 Strategic Plan: financial targets



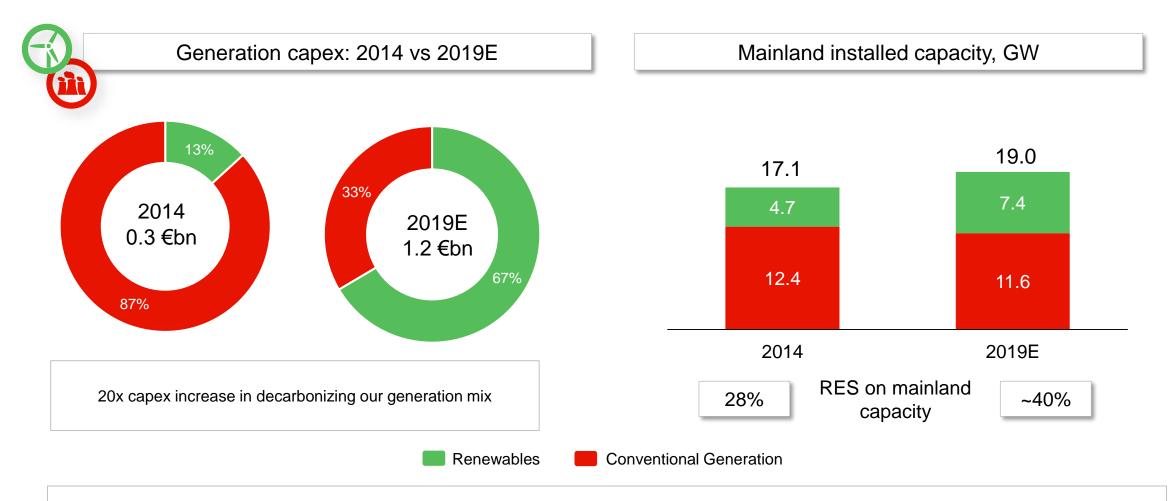
Improved economic results driven by repositioning through a sustainable strategy

(1) Preferential subscription share price on November 20th, 2014 (latest IPO)

(2) Includes dividends assumed to be re-invested (2019 share price as of Nov 25th: 24.62 €/sh). Calculated with Bloomberg data

Repositioning capital allocation on renewables

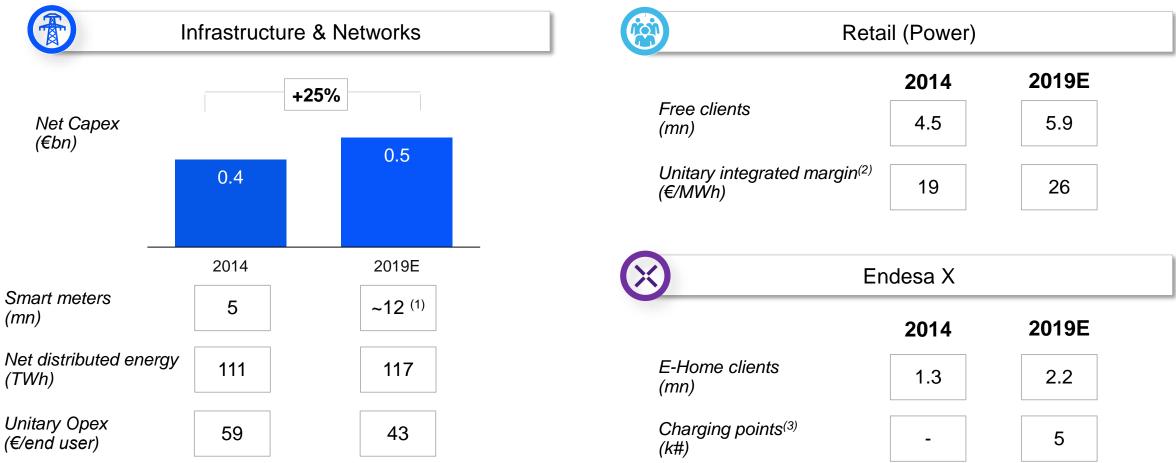




Reshape of our business model focusing on decarbonisation

Enabling platforms for the Energy Transition





Established a leading position in infrastructures and new services

(1) Includes LV and HV full deployment

(2) Includes Generation margin + Supply margin

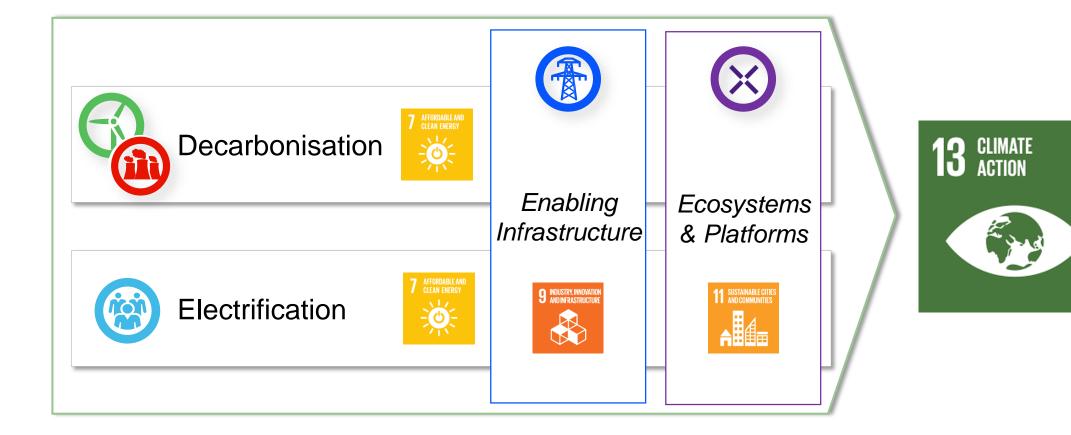
Endesa 2020-22 Strategic Plan Update

Our vision

Sector trends shaping our capital allocation

Our vision



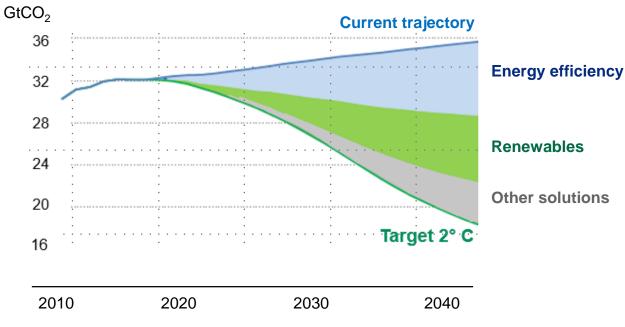


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New opportunities arising from decarbonisation



CO₂ emissions and actions needed to achieve Paris' goals



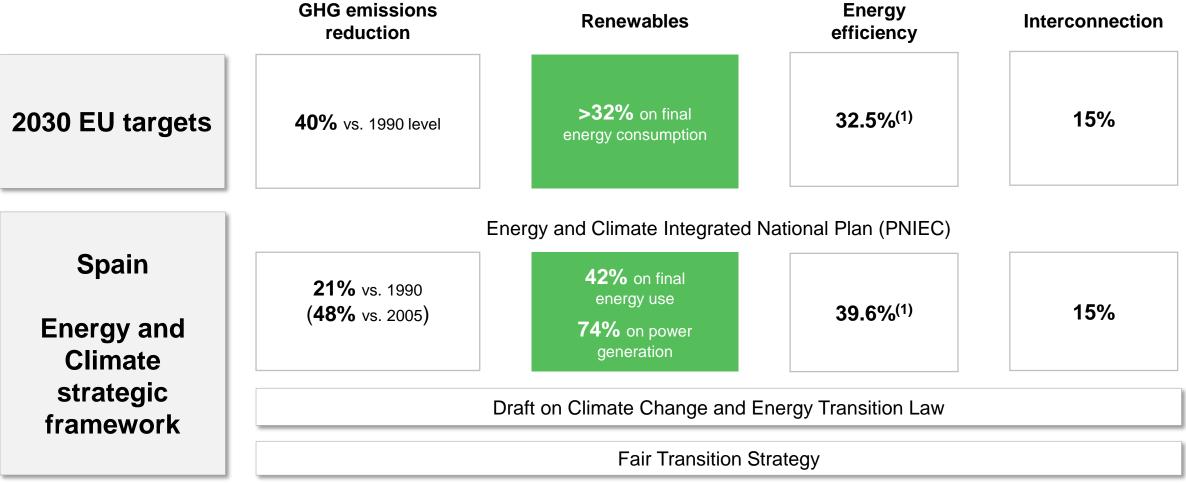
1. IEA WEO 2018 SDS Scenario

Revolution of the energy paradigm towards non-fossil sources. **Electricity is the key element**:

- *Increases efficiency* in final energy consumption
- Clean energy: zero CO₂ and other emissions
- Allows to **increase renewable** energy

Electrification as key element to achieve the Paris' goals

Integrated National Energy and Climate Plans 2021-30



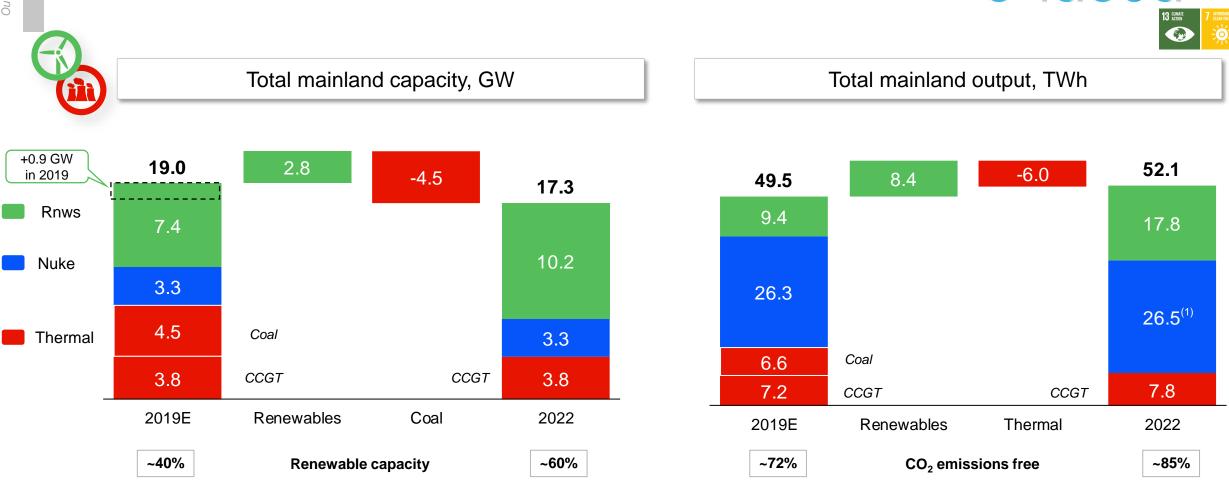
236 €bn investments' opportunities from the Energy Transition in Spain

Accelerated coal phase out over the plan period and beyond



Mainland coal phase out by 2022

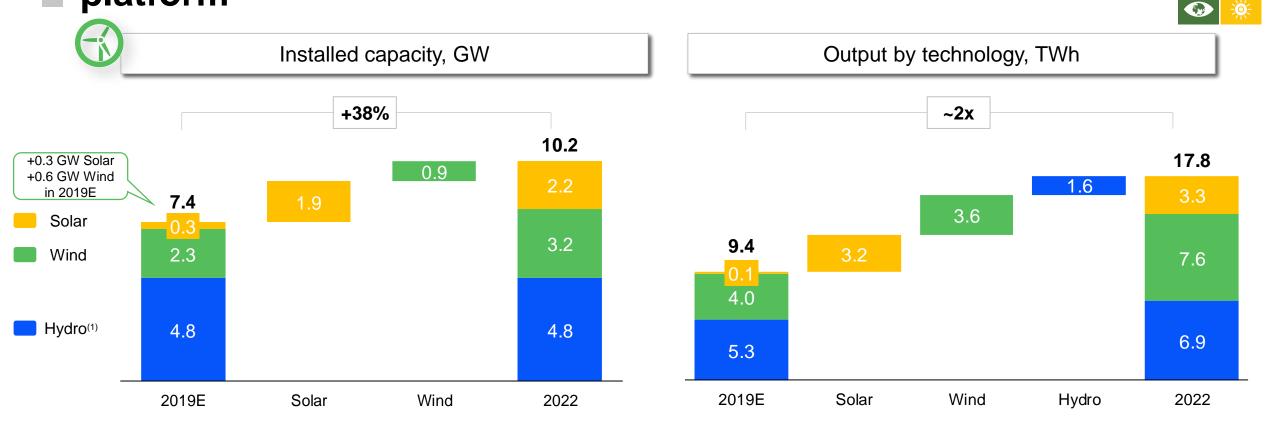
Progressing towards total decarbonisation in 2050 endesc



Generation mix fully reshaped

Renewable generation 2019-22: our main growth platform

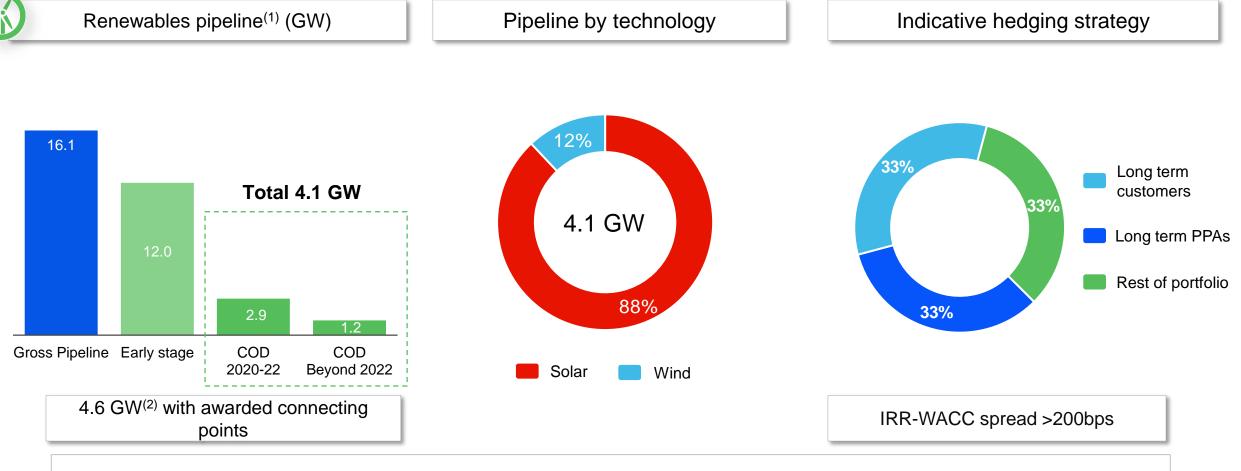
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~40% increase of renewable installed capacity in 2022

Strategy in Renewables

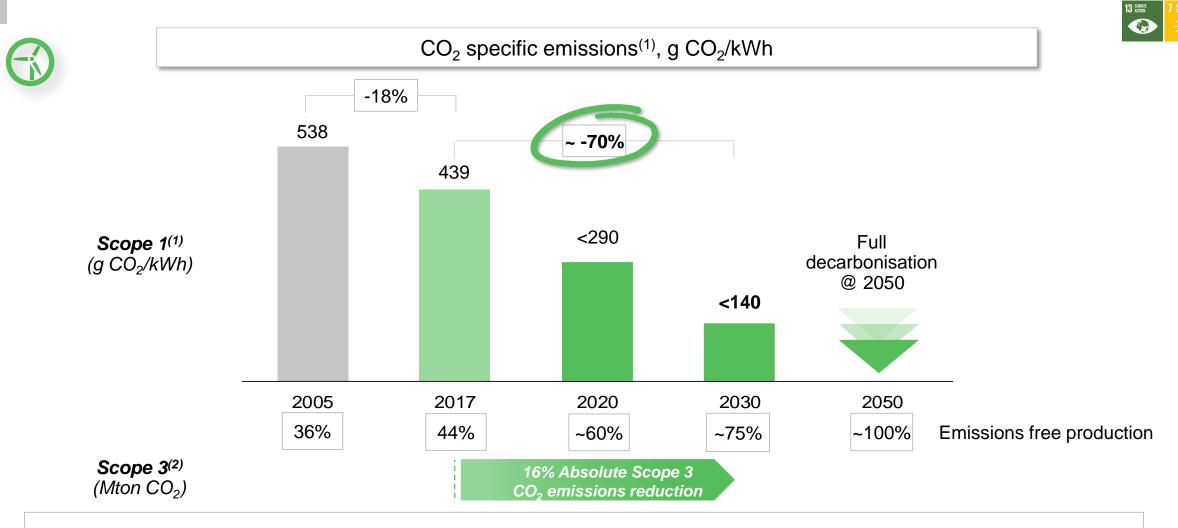
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Leveraging on our customer base to accelerate renewables development

(1) As of October 2019

(2) Incudes 0.5 GW in early stage



Speed up in our fully decarbonisation objectives

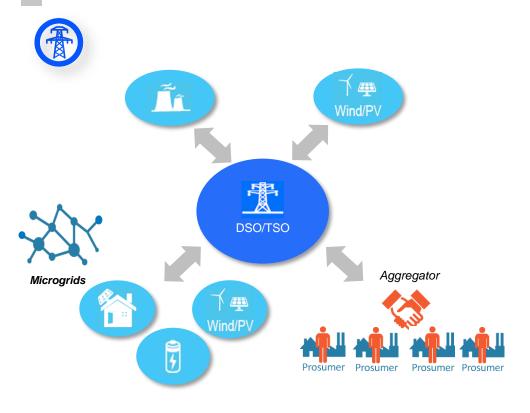
(1) Scope 1, direct emissions

Our vision

(2) Scope 3, non direct emission (gas sales and others)

Enabling Infrastructure





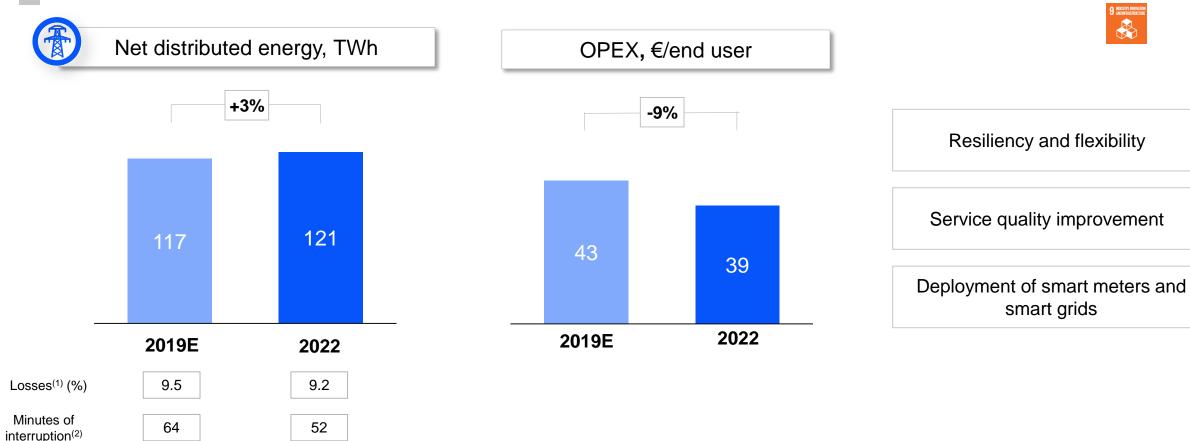
Energy system evolution Pivotal role in the Energy Transition Grid Edge Transformation enabling platformization of the sector Innovation and resilience required in a changing environment

Engagement of customers for a more active role

Infrastructures to enable integration of new renewables and electric vehicle

Enabling Infrastructure

Continuous focus on operational efficiency



Better service quality reducing interruptions, losses and improving efficiency

- (1) System Operator (S.O) criteria
- (2) Own + Programmed + Transport

Ecosystems and platforms



Share of power	Share of power on total energy consumption ⁽¹⁾ ,%		Endesa X: Acceleration of electrification				
23% 2018	29% 2030	Charging points	s ⁽²⁾ (th.) e-Ho	ome clients			
Electric vehicles 0 (mn)	5		36 2.2				
Transport (TWh) 7	24						
Residential share 38%	45%	2019E 2	2022 2019E	:			

Platforms development to support demand electrification

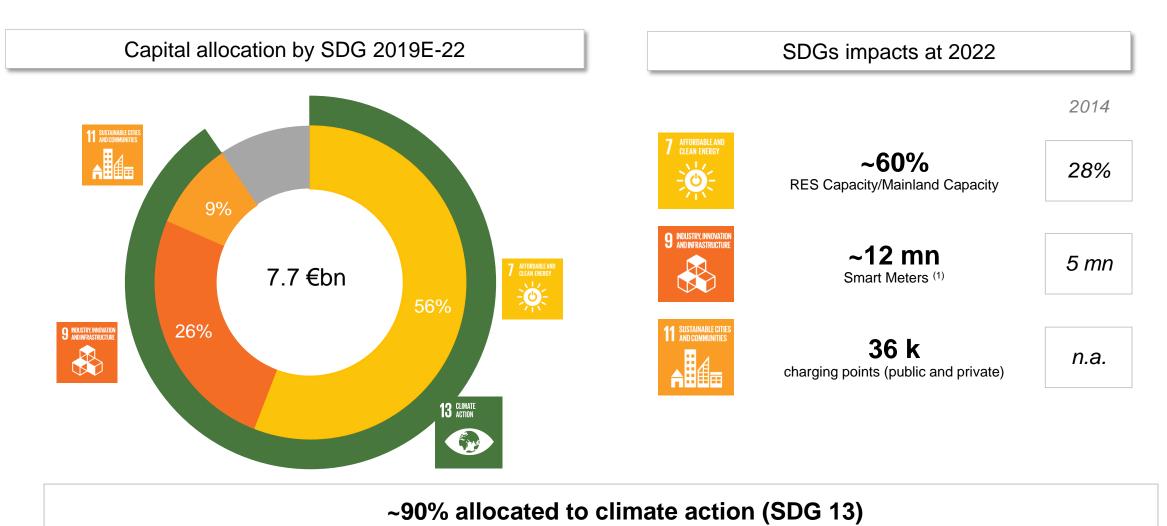
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e-Home clients (mn)

2.8

2022

A fully sustainable capex plan reflected in SDGs impacts

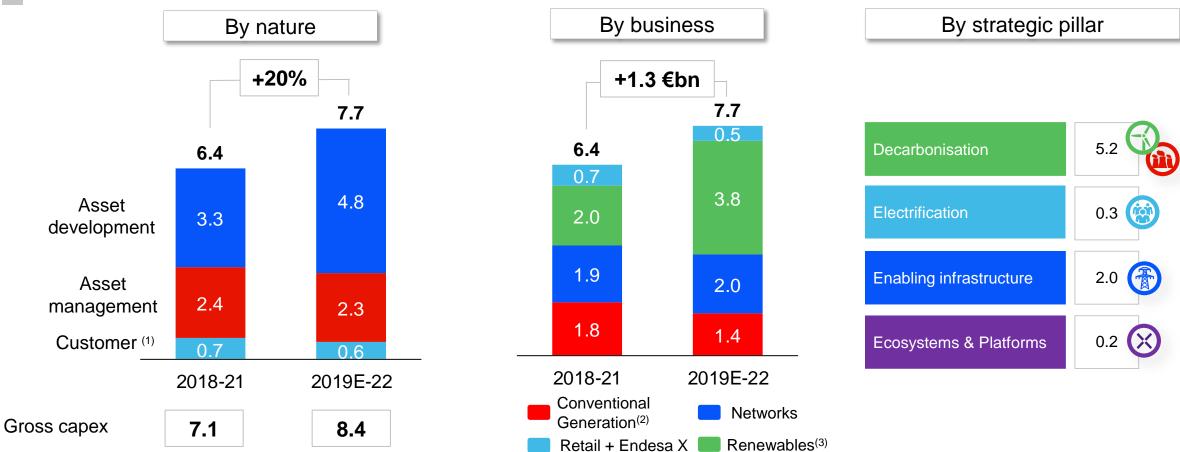


Endesa 2020-22 Strategic Plan Update

Strategic plan

Key Financial Indicators

Net Capex analysis, €bn



More than 20% increase in total capex and 45% increase in asset development

- (1) Customer capex includes Cost to Acquire new customers, Connections and Investments associated with new services.
- (2) Includes Net Capex in non mainland

(3) Renewables capex includes Hydro investments

Decarbonisation endesa Renewables Renewables net capex 2019E-22 EGPE⁽¹⁾ gross margin evolution, €bn 1.3x 0.7 3.8 €bn 0.3 94% 2019E 2022

Doubling renewable capex drives gross margin growth

Asset

development

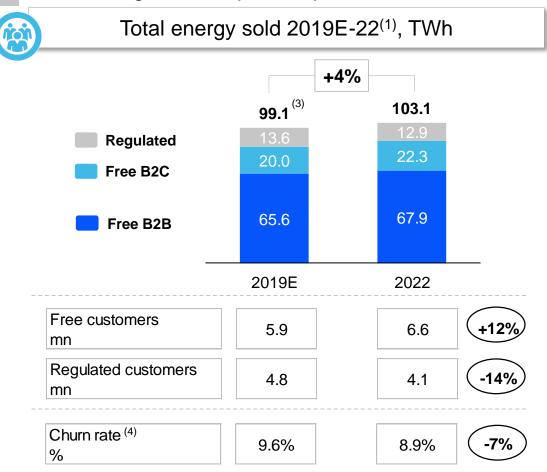
Asset

management

24

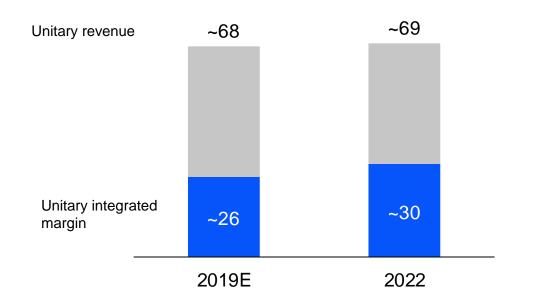
Electrification

Maintaining leadership in the power business



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Power integrated margin⁽²⁾, €/MWh



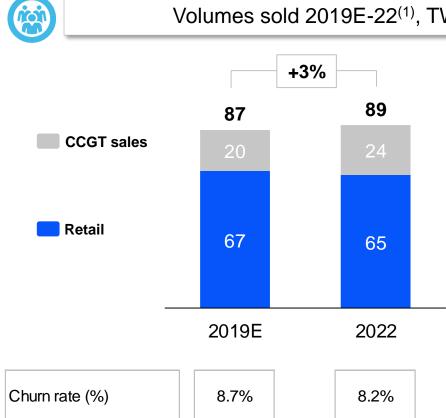
Consolidating integrated margin growth

- Total liberalized sales include international sales (2.7 TWh in 2019E and 3.0 TWh in 2022), not considered in the integrated margin.
 Includes Generation and Supply margin
- (3) Rounded figures
 - (4) Churn rate B2C free

Electrification

Consolidating as the 2nd gas operator

Volumes sold 2019E-22⁽¹⁾, TWh





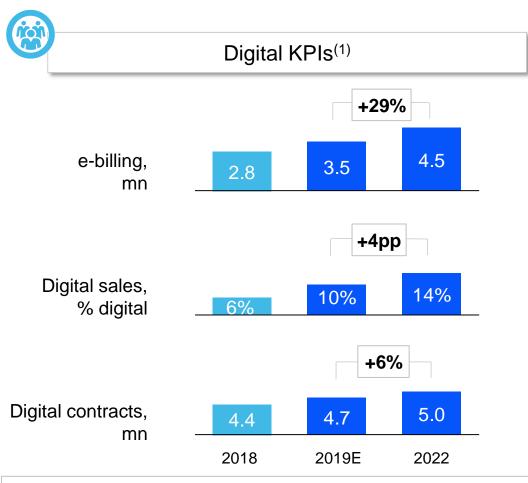
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Lower sales in retail due to progressive electrification of demand

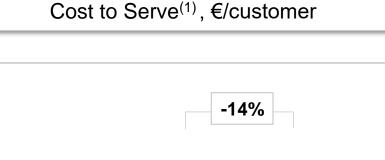
- Not included Wholesale business
- Rounded figures (2)
- Gas unitary margin does not include CCGT sales (3)

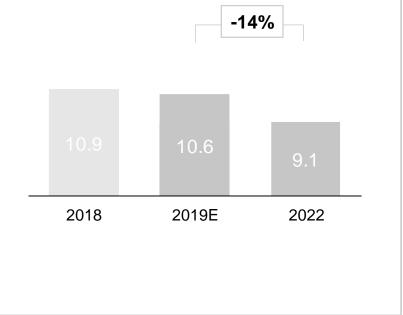
Electrification

Improving efficiency and digitalisation







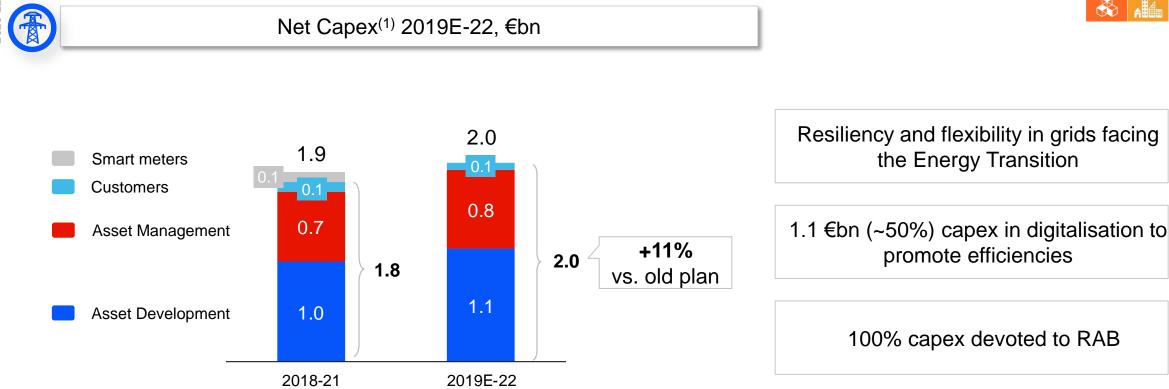


Digitalisation driving cost to serve reduction

Enabling infrastructures

Investments in networks



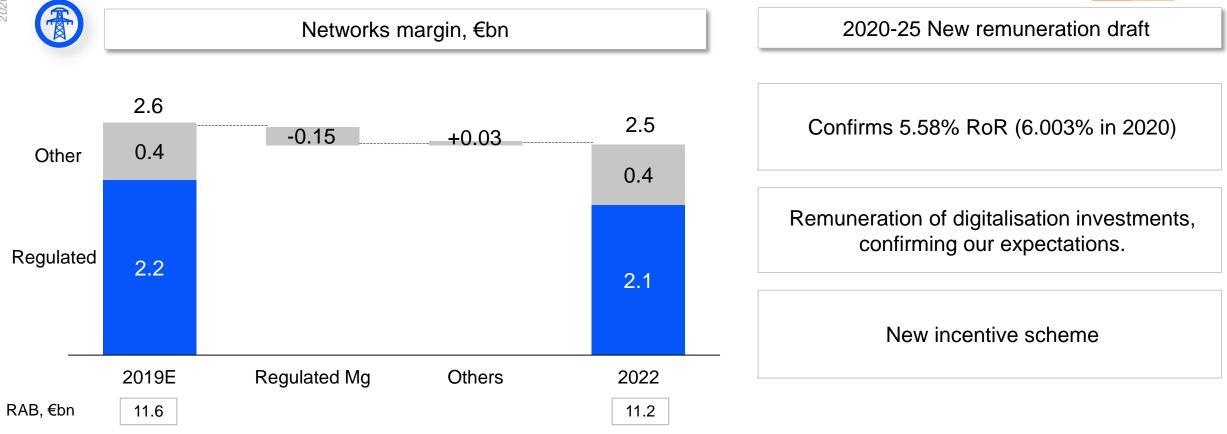


Double digit growth in Networks capex

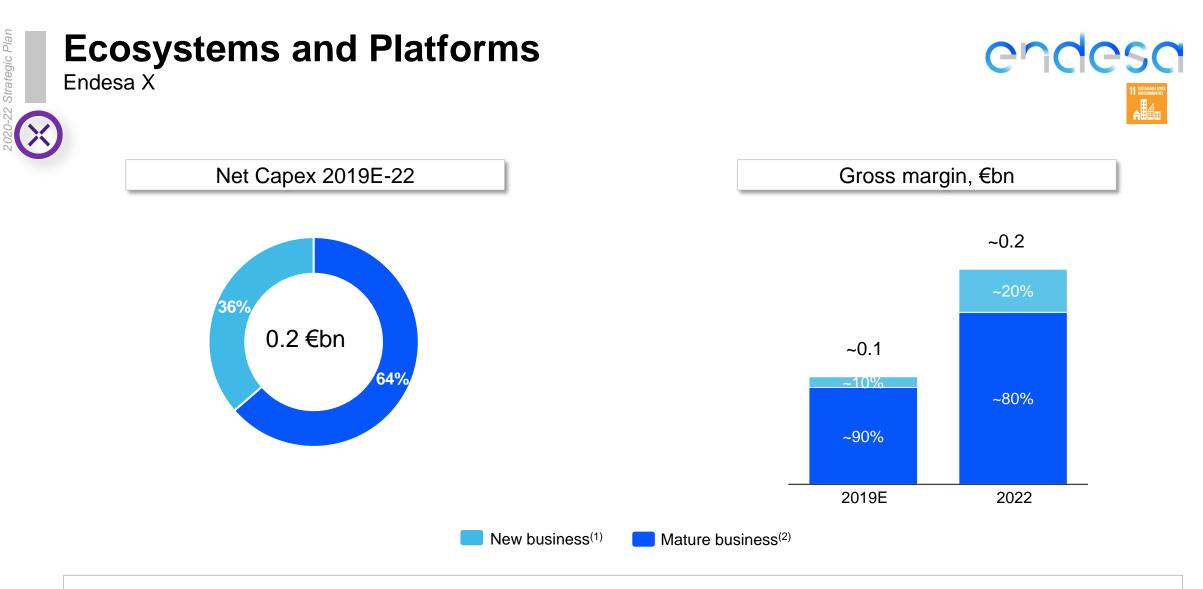
Enabling infrastructures

Margin evolution





New regulatory framework draft in line with expectations

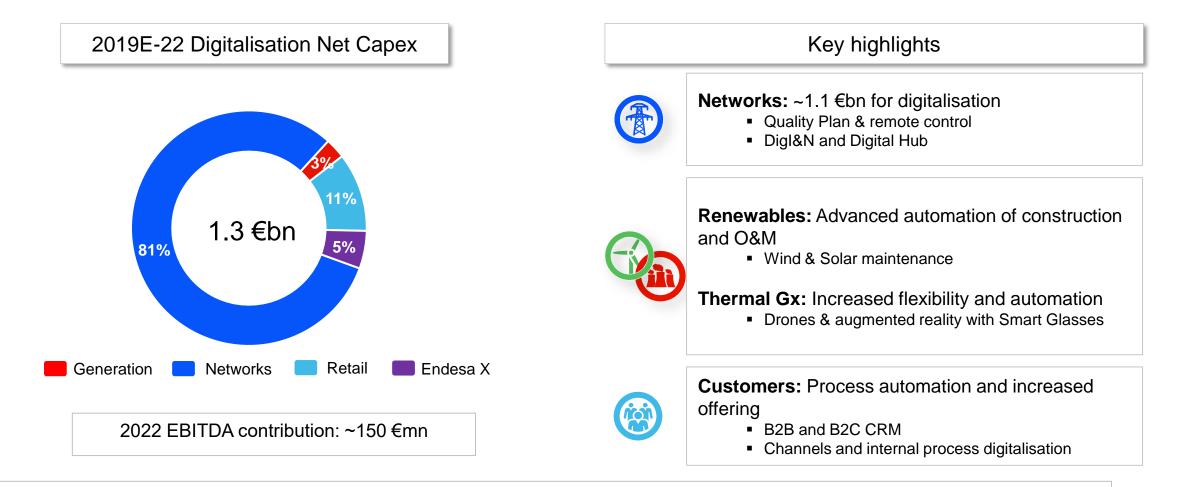


Leveraging existing businesses to support growth in e-Mobility and e-City

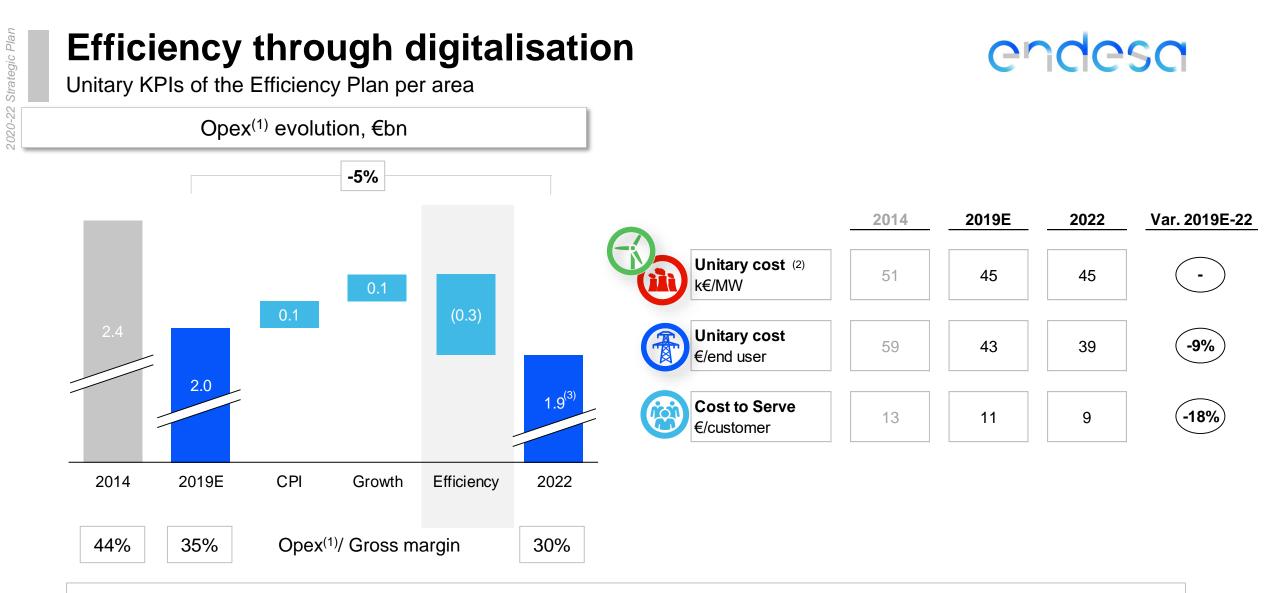
- (1) New business: e-city, e-mobility and e-finance
- (2) Mature business: e-home and e-industry

Efficiency through digitalisation





Digitalisation contributes with 25% to EBITDA growth



Efficiency more than compensate the increase of inflation and growth

(2) Thermal and renewable costs combined. Includes Corporate fees

(3) Not including non-recurrent expenses

Endesa 2020-22 Strategic Plan Update

Key Financial Indicators

Strategic plan at a glance €bn

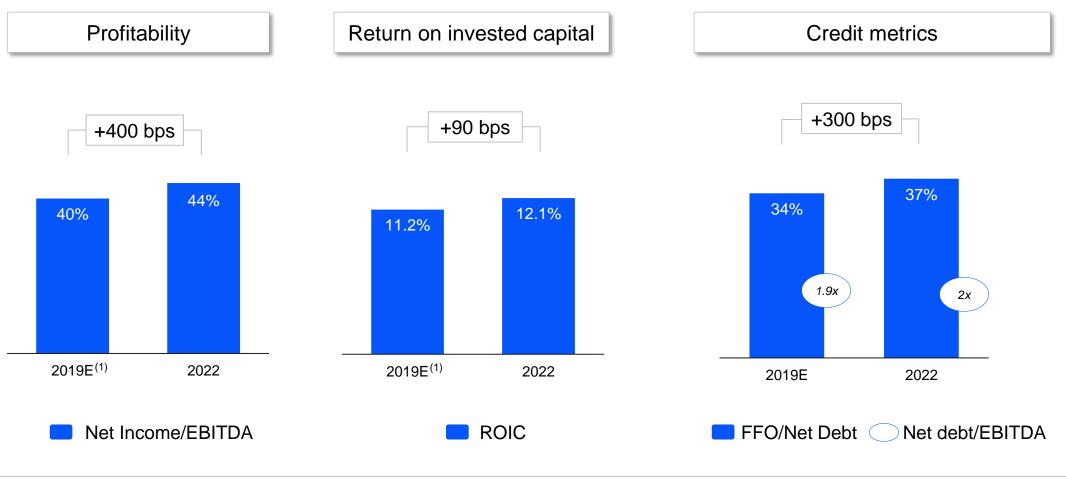




(1) Reported Net Income – Net Result on Disposals of Non-Financial Assets (over 10€M) - Net Results on Impairment of Non-Financial Assets (over 10 €M)

Profitability and credit metrics

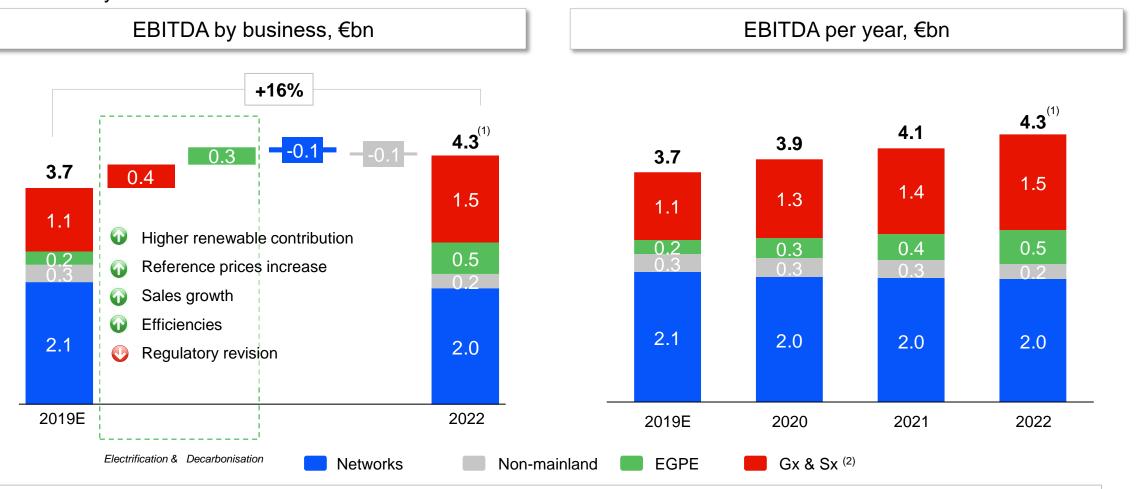




Focus on profitability and value creation

Key Financial Indicators

EBITDA analysis



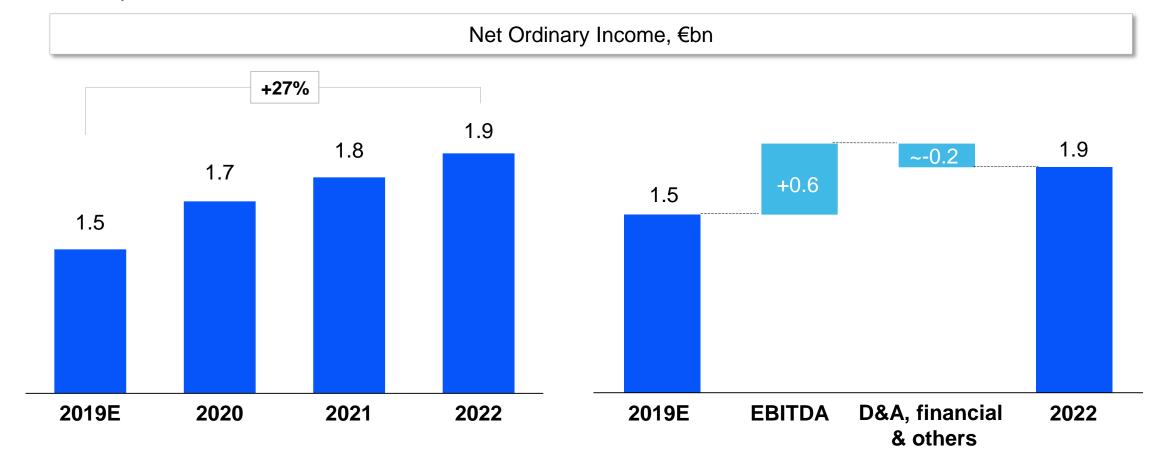
EBITDA growth driven by liberalized business and renewables

(1) Rounded figures

(2) Gx & Sx EBITDA figure includes Generation and Supply business, Corporate Structure, Services and Adjustments and does not include Non-mainland generation



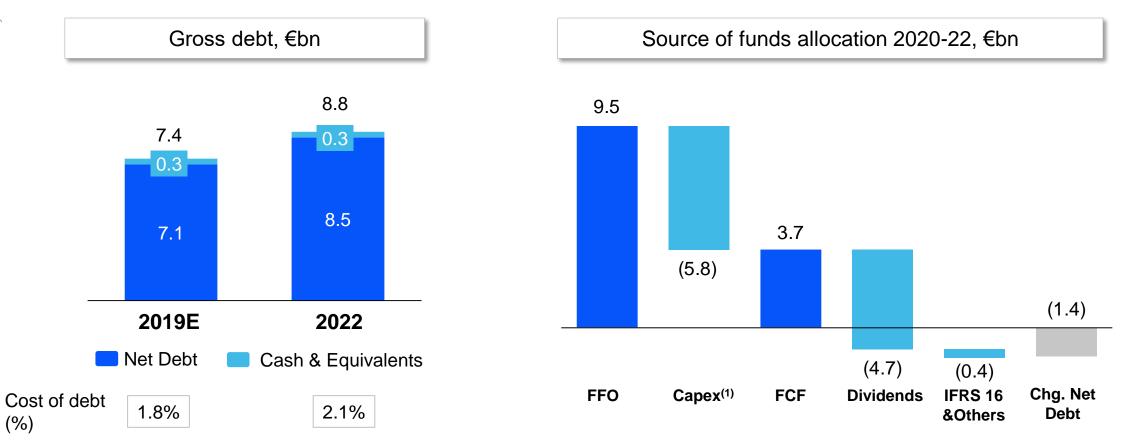
Net ordinary income evolution



27% increase in Net Ordinary Income vs. 16% in EBITDA

Debt analysis





Increase in net debt to boost growth

Sustainable finance

Key financing with sustainability instruments



Sustainable debt 2019E, %	New green loans linked to renewable investments: 635 €mn	Path to 100% Sustainable Debt	
€7.1bn net debt	Banco Europeo de Inversiones el banco de la de March, 2019	Debt increase by 1.4 €bn will rise the	
	EIB first Green Loan, 335 €mn 15 years	sustainable finance ratio Sustainable criteria across all financial	
	Instituto de Crédito Oficial May, 2019	tools will be pursued Promoting sustainability criteria among	
	ICO first Green Loan, 300 €mn 12 years	financial counterparties	

Sustainable finance plays a key role in promoting sustainable development over the long term

Closing Remarks

Closing Remarks

Financial Targets

	2019E	2020	2021	2022	CAGR 2019E-22
EBITDA (€bn)	~ 3.7	~ 3.9	~ 4.1	~ 4.3	+5%
Net Ordinary Income ⁽¹⁾ (€bn)	~ 1.5	~ 1.7	~ 1.8	~ 1.9	+8%
Pay out ⁽²⁾ (%)	100%	100%	80%	70%	
Implicit DPS (€/share)	~1.4	~1.6	~1.4	~1.3	
					<u>Σ 2019E-22</u>
Net Capex (€bn)	1.9	1.6	2.0	2.2	7.7

(1) Reported Net Income – Net Result on Disposals of Non-Financial Assets (over 10 €mn) - Net Results on Impairment of Non-Financial Assets (over 10 €mn)

(2) 70% pay out long term perspective

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Closing Remarks



First-class integrated player in Iberia

Outstanding delivery track record

Decarbonisation and electrification driving ample opportunities

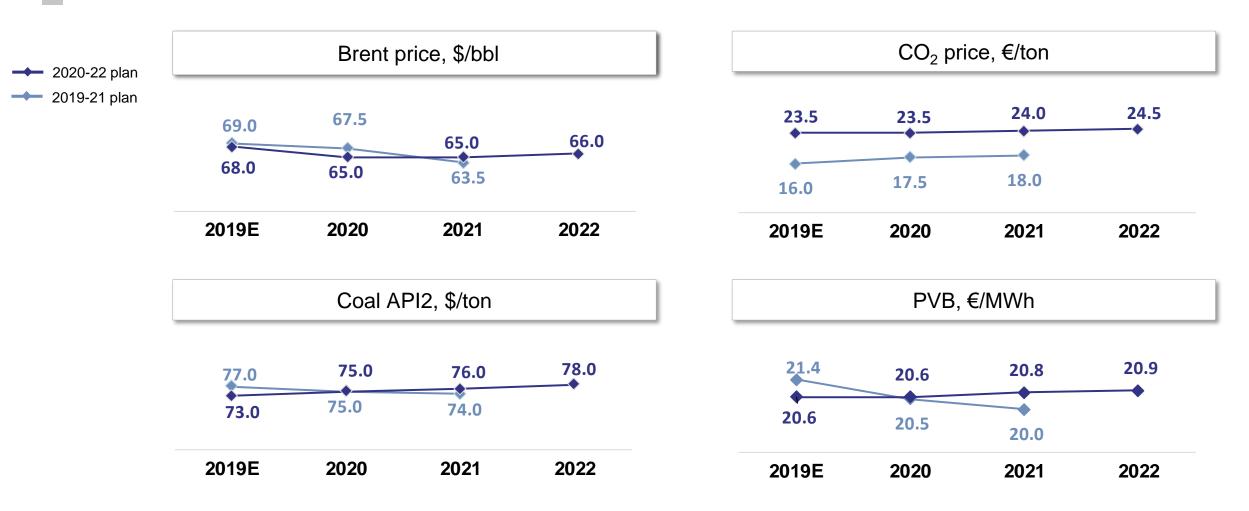
Strategy aimed at sustainable growth path

Long term value creation for all stakeholders

Appendix

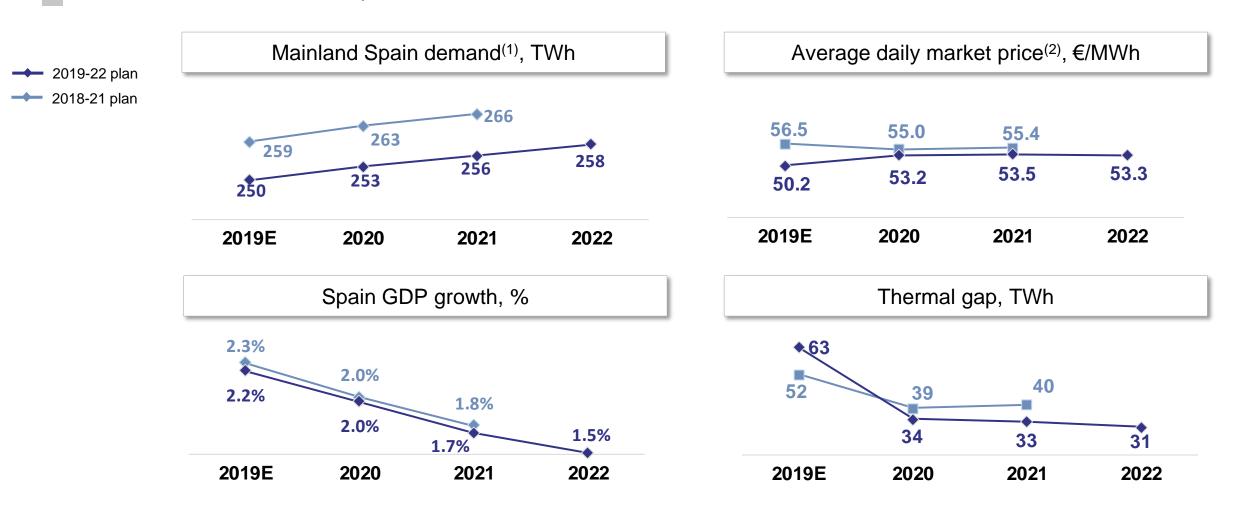
Commodity overview and update to latest market consensus



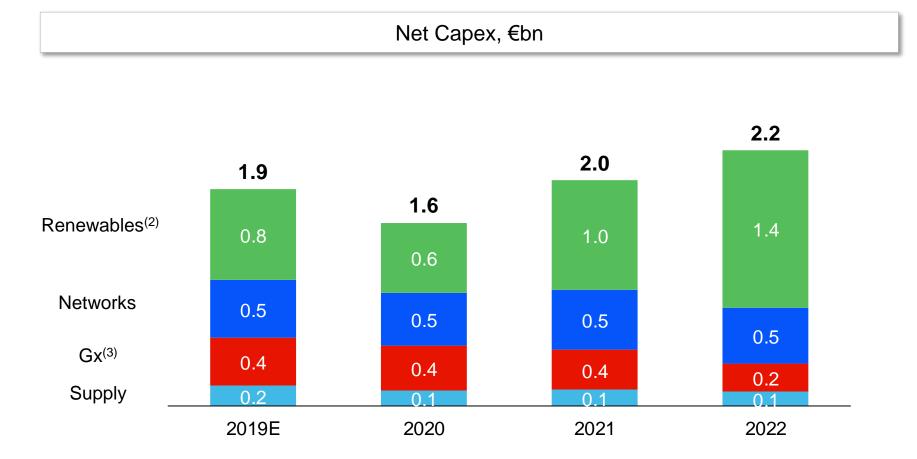


Power market overview and update to latest market consensus







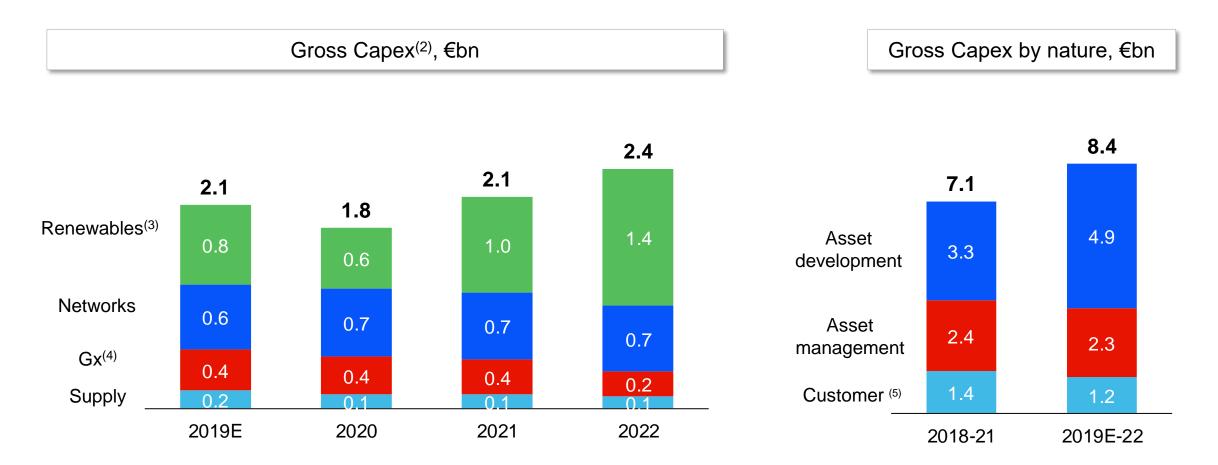


(2) Renewables capex includes Hydro investments

(3) Includes Net Capex in non mainland

Gross⁽¹⁾ Capex analysis

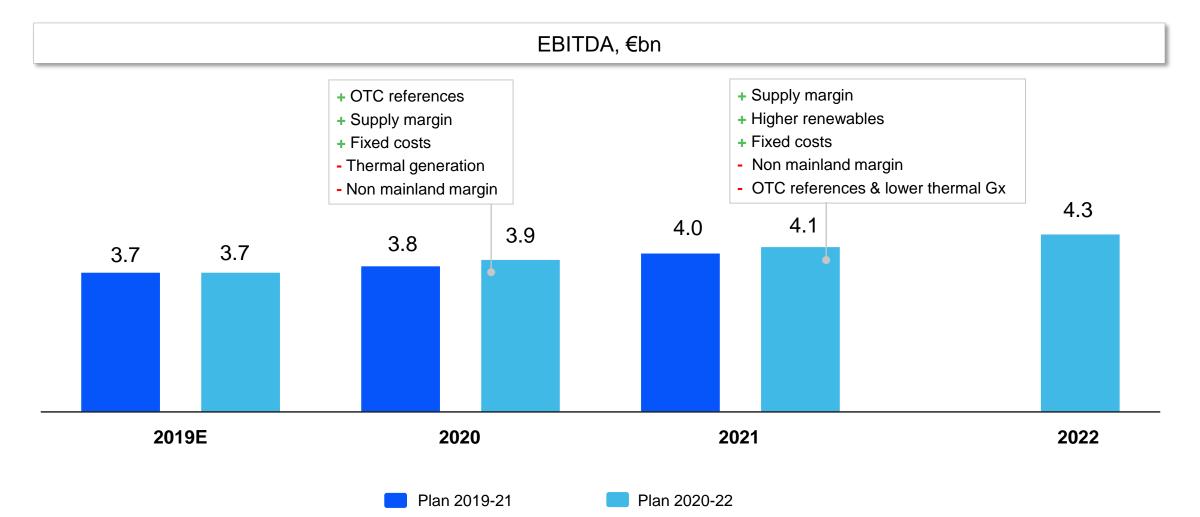




- (1) Includes client contributions
- (2) Rounded figures
- (3) Renewables capex includes Hydro investments
- (4) Includes Net Capex in non mainland

(5) Customer capex includes Cost to Acquire new customers, Connections and Investments associated with new services.

Comparison of old plan vs. updated plan

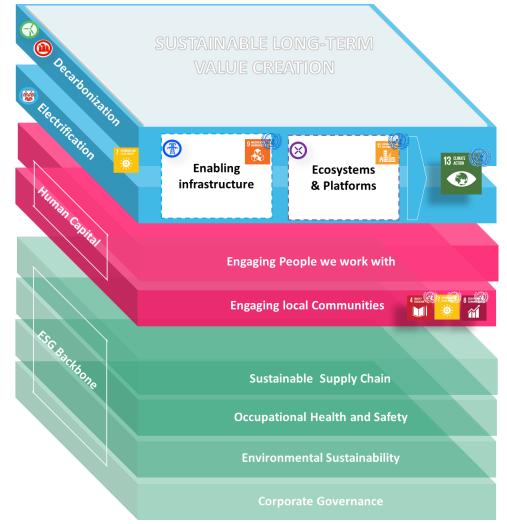


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Environmental, Social and Governance annexes

Sustainability Plan

Sustainable business model driving change througher of Content of



Focus on People Centricity

8 DECENT WORK AND ECONOMIC GROWTH

8 DECENT W

Engaging people we work with



	Plan actions	2019E	2020-22 targets
VORK AND C GROWTH	Open Feedback Evaluation	 8,566 people involved 100% of eligible people	100% of people involved
NORK AND C GROWTH	Climate survey ⁽¹⁾	100% of people involved83% of people participating	100% of people involved87% of people participating
ON IIII	Gender - % of women in selection processes ⁽²⁾	29% women involved in recruiting processes	45% women involved in recruiting processes
DN D	Promotion of digital skills' dissemination among all employees	40% of people involved in digital skills training ³	100% of people involved in digital skills training ⁽³⁾

1. Eligible and reachable people having worked in the Group for at least 3 months / 2. It excludes the selection processes involving the blue collars / 3. % accumulated with the training given since 2018 53

4 ebucation

Engaging local communities



Plan actions	2019E ⁽¹⁾	2020-22 targets	
High-quality, inclusive and fair education	0.17 mn beneficiaries	0.7 mn beneficiaries in 2030 ¹	



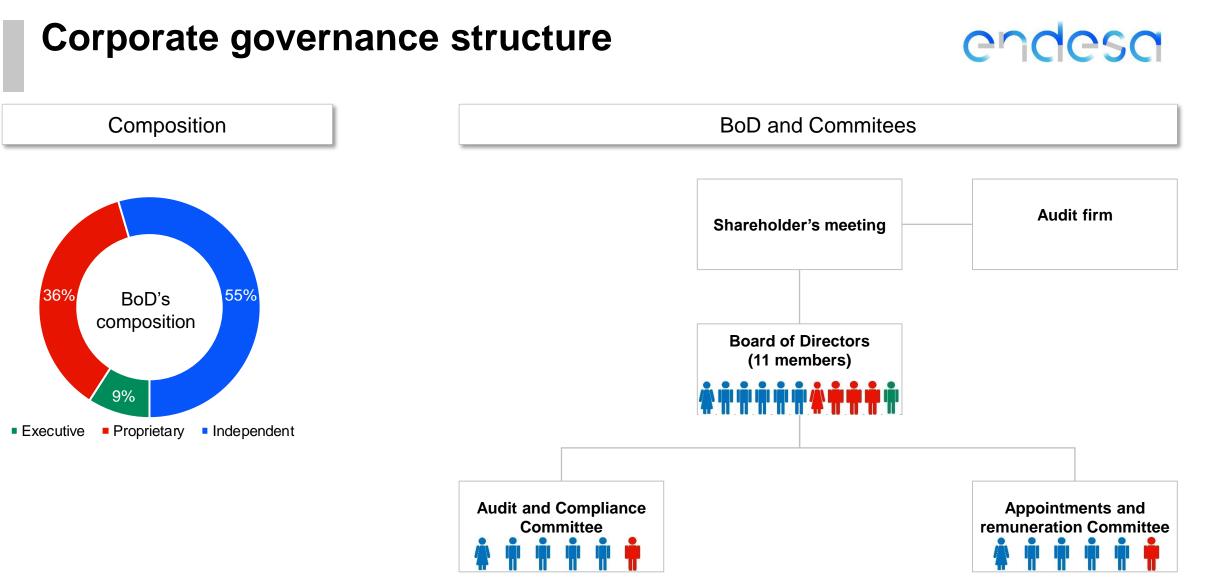
8 DECENT WORK AN ECONOMIC GROWT

	Access to affordable and clean energy	1.6 mn beneficiaries	4.8 mn beneficiaries in 2030 ¹
ND	Employment and sustainable	0.5 mn beneficiaries	1.7 mn beneficiaries in 2030 ¹

1. Cumulated figures since 2015

and inclusive economic growth

Focus on Corporate Governance

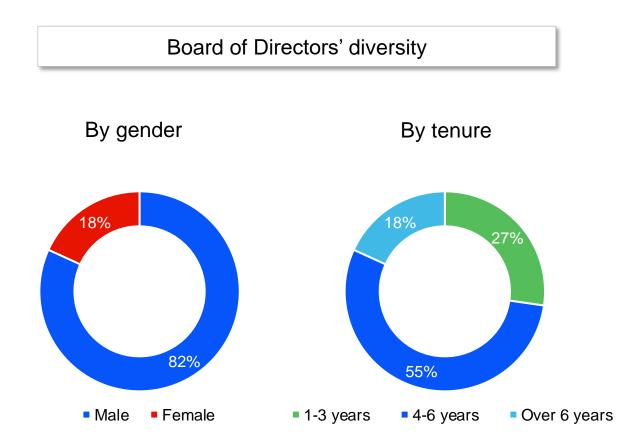


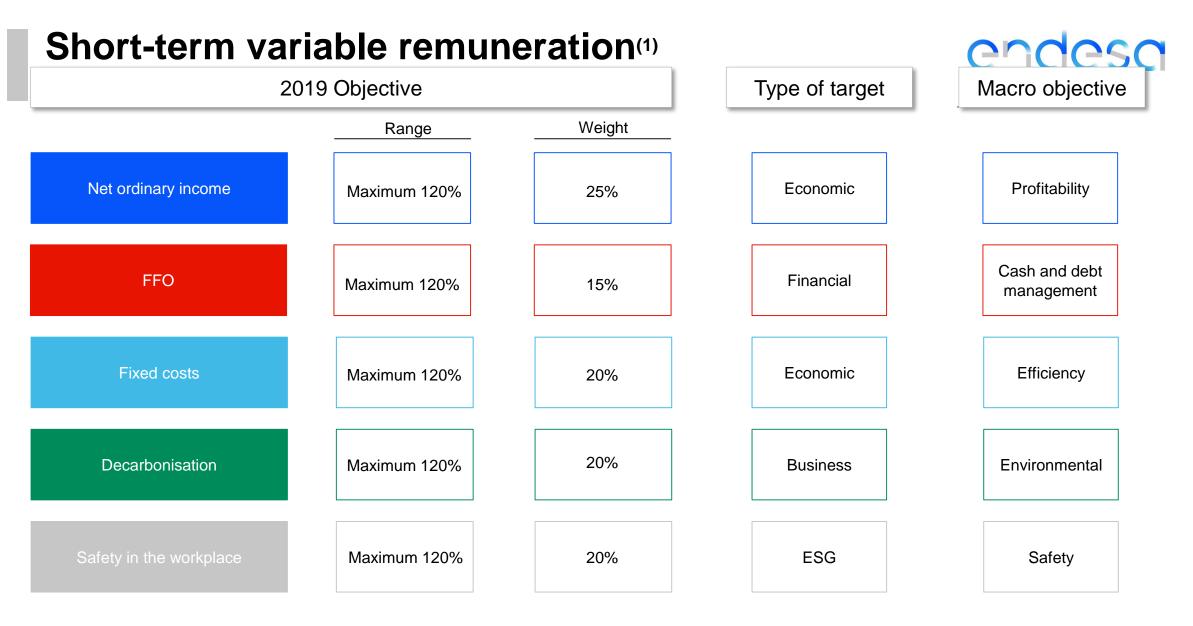
Board of Directors composition





Proprietary





Long-term variable remuneration⁽¹⁾



		Objective			Type of target	
	Entry (50%)	Target (100%)	Over I (150%)	Over II (180%)		
TSR ⁽²⁾ 50% ⁽³⁾	Endesa's TSR from 90 % to 100% of TSR	Endesa's TSR from 100 % to 110% of TSR	Endesa's TSR from 110 % to 115% of TSR	Endesa's TSR > 115% of TSR	Market	Performance
ROACE ⁽⁴⁾ 40% ⁽³⁾	-3% Target	Target	+1.5% Target	+3% Target	Financial	Profitability
CO ₂ emissions reduction (gCO2 /KWh) 10% ⁽³⁾	+3% Target	Target	-3% Target	<=-5% Target	ESG	Environmental

(1) Executive director Long Term Incentive Plan (LTI) 2019 2021. 30 % payment (if any) in the 4th year. 70% payment (if any) in the 5th year (deferred payment)

(2) Average TSR Endesa compared to average TSR EUROSTOXX Utilities Index EMU. In case of negative absolute TSR of Endesa, the incentive (if any) is reduced on the basis of a regressive scale of the same negative percentage of the absolute TSR of Endesa share, multiplied for a constant value equal to 1.5

(3) (%) Weight in the variable remuneration

(4) Cumulative for the period 2019 2021

Focus on Innovation & Cybersecurity

Innovation & Cyber security



In	novation	Cibers	security
Plan actions	2020-22 targets	Plan actions	2020-22 targets
Promoting innovation culture	1000 people involved in promotional innovation actions (workshops, trainings, intrapreneurship)	Coverage of web applications exposed to internet with advanced cyber security application solutions	100% of internet web applications protected through advanced cyber security solutions
	5 innovation events per year	Disseminating the information security culture and changing people's behavior in order to reduce risks	15 cyber security knowledge sharing events per year
9 INDUSTRY. NNOVATION AND INFRASTRUCTURE		7 AFFORMABLE AND CLEAN ENRROY	

Glossary of terms (I/II)



ltem	Definition
Average cost of debt (%)	Cost of gross financial debt / gross average financial debt
Average life of debt (number of years)	(Principal x number of days of term) / (Principal in force at the end of the period x number of days of the period)
Cash flow from operations (€mn)	Net cash provided by operating activities
Debt maturities coverage (months)	Maturity period (months) for vegetative debt that could be covered with the liquidity available
EBITDA (€mn)	Revenues – Purchases and Services + Work performed by the entity and capitalized – Personnel expenses – Other fixed operating expenses
EBIT (€mn)	EBITDA - Depreciation and amortization
Fixed costs (Opex) (€mn)	Personnel expenses + Other fixed operating expenses - Work performed by the entity and capitalized
Gross margin (€mn)	Revenues – Purchases and Services
Leverage (times)	Net financial debt / EBITDA
Net Capex (€mn)	Gross tangible and intangible Capex - assets from clients' contributions and subsidies
Funds from Operations (FFO, €mn)	The higher profit before tax and non-controlling interests net of depreciation and amortisation and other adjustments + Change in Net Working Capital + Variation in the payment of the Income Tax

Glossary of terms (II/II)



ltem	Definition
Net financial debt (€mn)	Long and short term financial debt - Cash and cash equivalents – Derivatives recognized as financial assets
Net financial results (€mn)	Financial Revenues - Financial Expenses - Foreign Exchanges
Revenues (€mn)	Sales + Other operating revenues
Electric Integrated Margin (€mn)	Contribution margin Gx+Sx - Margin SENP - Margin SCVP - Margin gas - Margin Endesa X - Others
Unitary electric integrated margin (€/MWh)	Electric Integrated Margin / Electric sales in the liberalized market in Spain and Portugal
Gas retail unitary margin (€/MWh)	Gas margin from retail sales / Gas Retail sales
Endesa X Gross Margin (€mn)	Gross margin generated by the added value products and services commercialized by the Endesa X unit





This document contains certain "forward-looking" statements regarding anticipated financial and operating results and statistics and other future events. These statements are not guarantees of future performance and they are subject to material risks, uncertainties, changes and other factors that may be beyond ENDESA's control or may be difficult to predict.

Forward-looking statements include, but are not limited to, information regarding: estimated future earnings; anticipated increases in generation and market share; management strategy and goals; estimated cost reductions; tariffs and pricing structure; estimated capital expenditures and other investments; estimated increases in capacity and output and changes in capacity mix; repowering of capacity and macroeconomic conditions. The main assumptions on which these expectations and targets are based are related to the regulatory setting, exchange rates, increases in production and installed capacity in markets where ENDESA operates, increases in demand in these markets, assigning of production amongst different technologies, and the availability and cost of the gas, coal, fuel oil and emission rights necessary to run our business at the desired levels.

In these statements we avail ourselves of the protection provided by the Private Securities Litigation Reform Act of 1995 of the United States of America with respect to forward-looking statements.

The following important factors, in addition to those discussed elsewhere in this document, could cause actual financial and operating results and statistics to differ materially from those expressed in our forward-looking statements:

Economic and industry conditions: significant adverse changes in the conditions of the industry, the general economy or our markets; the effect of the prevailing regulations or changes in them; tariff reductions; the impact of interest rate fluctuations; the impact of exchange rate fluctuations; the impact of energy commodities price fluctuations; natural disasters; the impact of more restrictive environmental regulations and the environmental risks inherent to our activity; potential liabilities relating to our nuclear facilities.

Transaction or commercial factors: any delays in or failure to obtain necessary regulatory, antitrust and other approvals for our proposed acquisitions or asset disposals, or any conditions imposed in connection with such approvals; our ability to integrate acquired businesses successfully; the challenges inherent in diverting management's focus and resources from other strategic opportunities and from operational matters during the process of integrating acquired businesses; the outcome of any negotiations with partners and governments. Delays in or impossibility of obtaining the pertinent permits and rezoning orders in relation to real estate assets. Delays in or impossibility of obtaining regulatory authorisation, including that related to the environment, for the construction of new facilities, repowering or improvement of existing facilities or its closure or decommissioning; shortage of or changes in the price of equipment, material or labour; opposition of political or ethnic groups; adverse changes of a political or regulatory nature in the countries where we or our companies operate; adverse weather conditions, natural disasters, accidents or other unforeseen events, defaults quantifiable of monetary obligations by the counterparties to which the Company has effectively granted net credit and the impossibility of obtaining financing at what we consider satisfactory interest rates.

Regulatory, environmental and political/governmental factors: political conditions in Spain and Europe generally; changes in Spanish, European and foreign laws, regulations and taxes.

Operating factors: technical problems; changes in operating conditions and costs; capacity to execute cost-reduction plans; capacity to maintain a stable supply of coal, fuel and gas; acquisitions or restructuring; capacity to successfully execute a strategy of internationalisation and diversification.

Competitive factors: the actions of competitors; changes in competition and pricing environments; the entry of new competitors in our markets.

Further details on the factors that may cause actual results and other developments to differ significantly from the expectations implied or explicitly contained in this document are given in the Risk Factors section of the current ENDESA regulated information filed with the Comisión Nacional del Mercado de Valores (the Spanish securities regulator or the "CNMV" for its initials in Spanish).

No assurance can be given that the forward-looking statements in this document will be realised. Except as may be required by applicable law, neither Endesa nor any of its affiliates intends to update these forward-looking statements.

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