London / 21 February IBERDROLA



Iberdrola, "utility of the future":

Building the foundations for growth in the next decade

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Agenda

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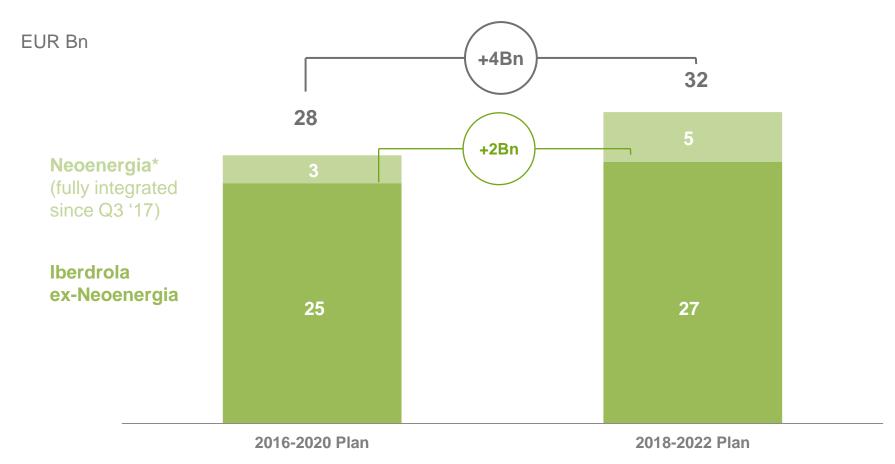
Iberdrola, "utility of the future"

Building the foundations for growth in the next decade

Ignacio Galán

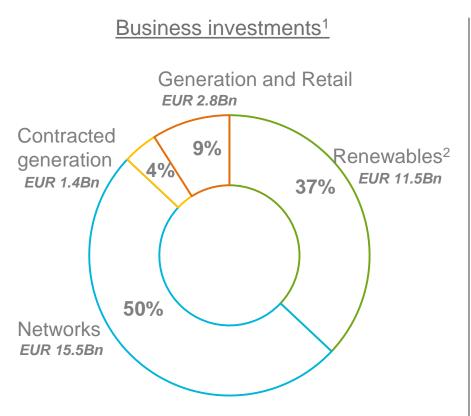
Chairman & CEO

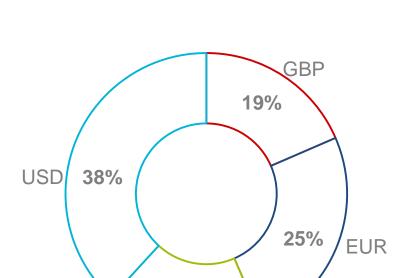
Net investments of EUR 32 Bn: building the foundations for growth in the next decade



^{*} Excluding Elektro

Over 90% allocated to regulated or long-term contracted activities





18%

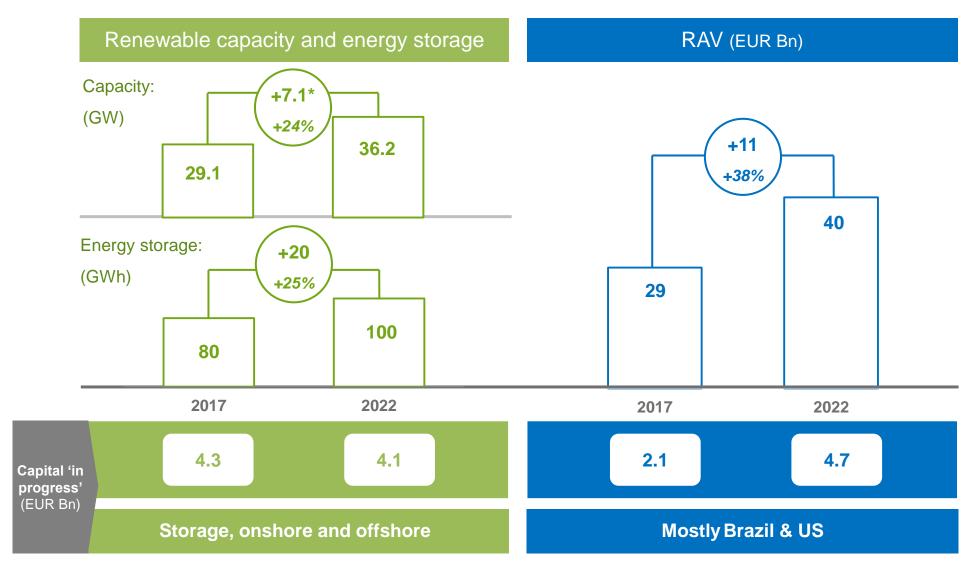
BRL

<u>Investment by currency</u>

38% of total investments in dollars

¹Excluding Corporate investments

²Including hydro

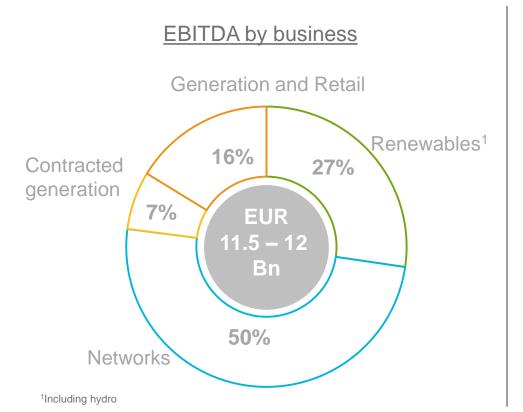


^{*}Including 670 MW of Belo Monte which consolidate through Equity

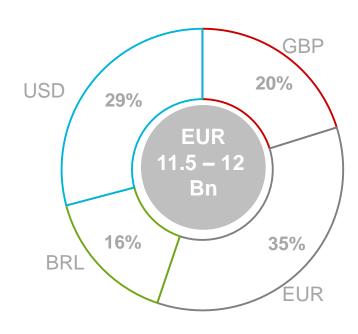


EBITDA between EUR 11.5 and 12 Bn by 2022

Over 80% coming from regulated or long-term contracted activities







2022 Net Profit will reach between EUR 3.5 and 3.7 Bn under current Fx rate estimates

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Iberdrola, "utility of the future":

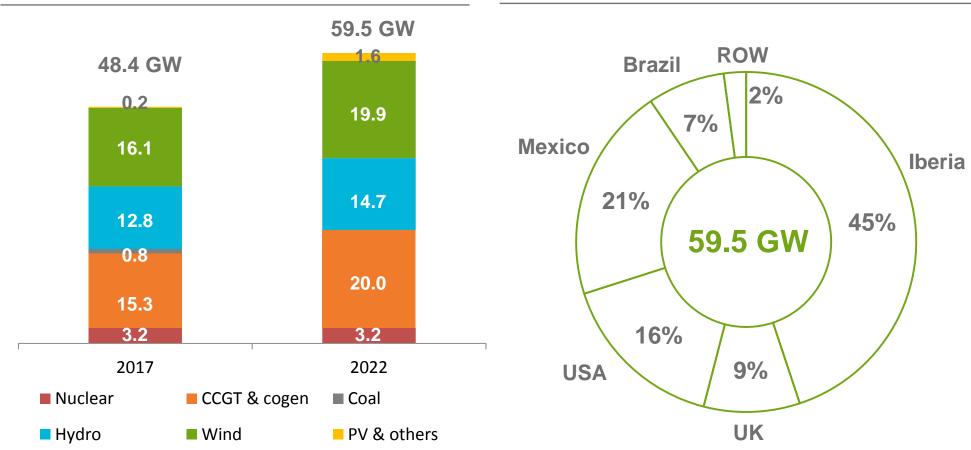
Building the foundations for growth in the next decade

Francisco Martínez Córcoles

Business CEO

59.5 GW installed by 2022, with a diversified mix by technology and country.

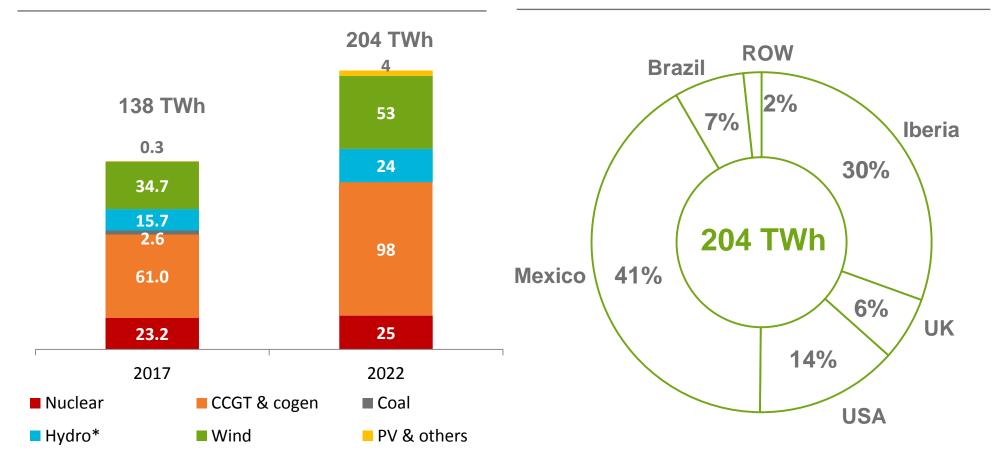




Production increases by 48%, exceeding 200 TWh in 2022

Production by technology (TWh)

2022 Production by country (TWh)

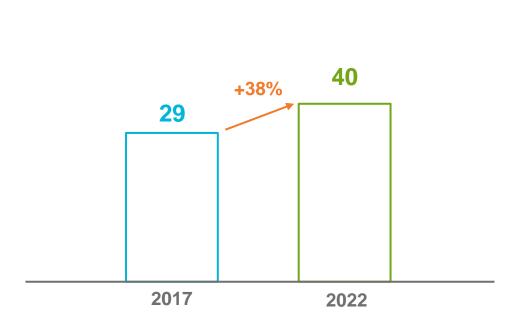


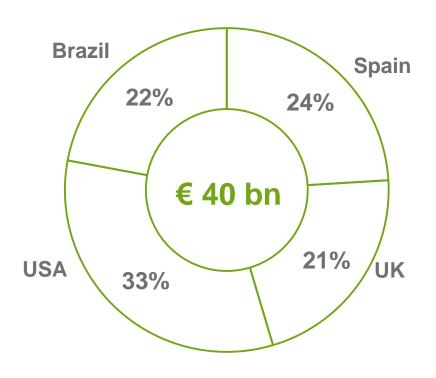
Profitable growth: Regulated Asset Value

Net Investments of EUR 15.5 Bn. 38% increase of RAV, reaching EUR 40 Bn by 2022.

RAV* (EUR Bn)

2022 RAV breakdown

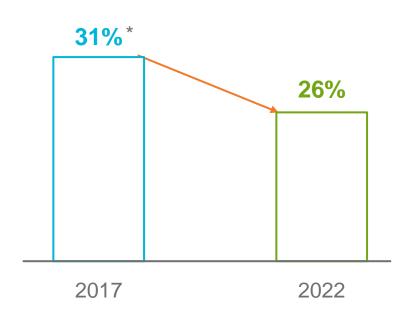




^{*} Includes new transmission assets with regulated remuneration

Further efficiencies derived from data analytics and artificial intelligence. Specific plans to transfer best practices into USA & Brazil networks processes.

NOE / Gross Margin (%)



^{* 28%} in a 2022 like for like basis

EUR 4.8 Bn investments in digitalisation

- ✓ Predictive O&M: data analytics and AI
- Improvement in generation availability
- 20 Million Smart Meters (100% Spain, UK and USA)
- 100% automated HV grid in USA
- 50% increase in MV automation
- Early detection of fraud, losses and grid faults
- DSO functions
- Digitalisation of customer front office

75 Innovation projects / year

... and pursuing further growth opportunities beyond 2022

Potential additional EBITDA >2022 (EUR M/yr)



Hydro capacity:

160 MW Tâmega commissioning in 2023



Transmission:

6 lots from Brazil 2017 auctions, commissioning in 2023



Onshore + PV:

6,000 MW highly likely / likely portfolio



Offshore:

2,500 MW highly likely / likely portfolio (France St. Brieuc 490 MW, USA, UK)



Contracted Generation / PPA:

+2,600 MW portfolio

Potential Growth >2022 +EUR 1,600 M/yr

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José Sáinz Armada

Chief Financial & Resources Officer

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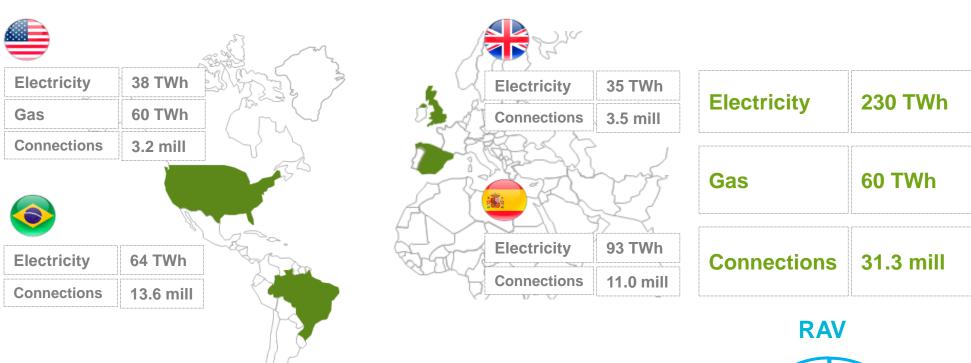
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Armando Martínez

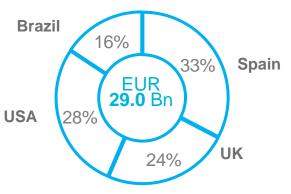
Networks Business Managing Director

Geographically diversified business with regulated revenues and strong cash flow performance in all countries

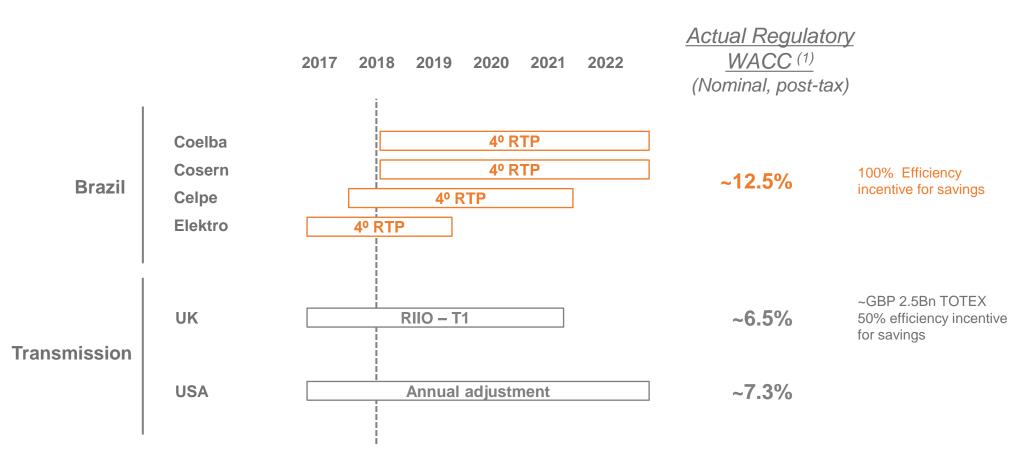


Net Capex EUR 2.1 Bn

EUR 4.2 Bn (EUR 4.6 Bn with 12m Neoenergia) **EBITDA**



Long term regulatory frameworks and reasonable rates of return in all jurisdictions are the foundations of a balanced investment mix in T&D across countries



⁽¹⁾ Nominal WACC post-tax has been calculated based on each country's specific remuneration framework. BRA: 8.09% Real WACC posttax; Transmission UK: 7% Real COE post-tax; Transmission USA: 10.57% Nominal ROE post-tax

EUR 3 Bn invested in networks digitalization to date, with projects delivered setting the blueprint for a global Smart Grid model...

Achievements

Network Operation Virtual operation. Patented self healing Al algorithm.

↑ Reliability

↑ Safety ⊥ Costs



Mobility: Digital field forces management

1.8X improvement on fault recovery 59% load recovery < 3min vs 33% in 2010

Advanced **Analytics**

70+Th of data analyzed

Big data tools for decision making



Demand Forecasting

85% new connections allowed automatically vs 50% in 2016

EUR 17M/y due to fraud reduction 60% efficiency on field activities



BRL 8M/y OPEX savings in field activities

Smart Meters*



10.4M Smart Meters in service in 2017



1.3M Smart Meters in CT/ME

↑ Prosumer LV monitoring



240M of hourly customer load curves **per day**

^{* 0.8} Million of smart meters deployed by Retail in the UK



Smarter Networks: A history of continuous improvement (2/2)

EUR 3 Bn invested in networks digitalization to date, with projects delivered setting the blueprint for a global Smart Grid model...

Achievements

DER integration

Integrate & control intermittent renewable capacity within distribution Network

MW integrated ↑ Quality



2.4GW in central region (1.6GW Peak) Interruptions 157%, 131 to 57 min 2007-17



150MW in Dunbar & Berwick (25MW Peak)

District Storage

Utility scale storage projects to provide network services

New Services: Balancing, **Flexibility**



5 Projects in NY / CT on line in 2018



2 Projects on line in 2018

Microgrids

Solution to improve resiliency or electrify isolated areas

New Services



Woodbridge → to harden local network

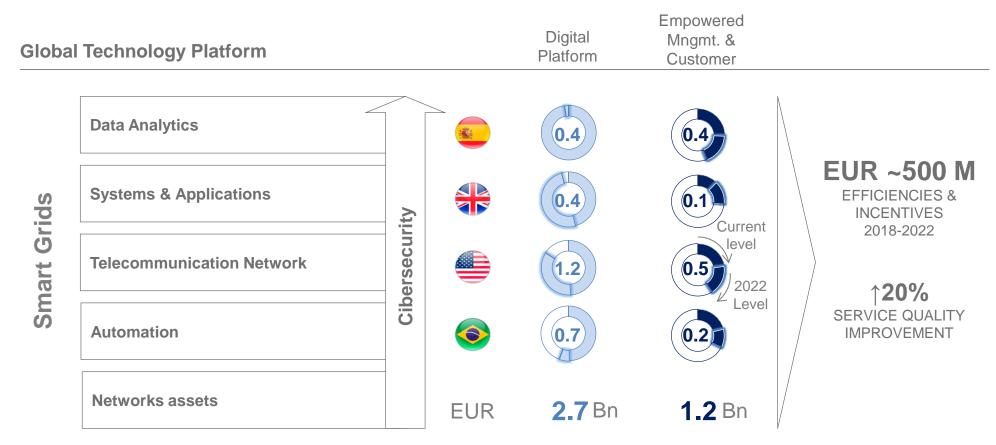


S. Agustín → to test DER control



21k customers electrified in State of Bahia ("Luz para todos")

+ EUR 3.9 Bn net investments for growing and expanding our global technology platform...



Global development adapted to local environments



Customer at the Center: Today and expected results

Improving best-in-class quality of supply

Minutes interruption vs peers average

Spain

Brazil

-25% vs peers avg

Source: Minetad

-6% vs peers avg UK

Source: Ofgem

-39% vs peers avg USA

Source: internal calculations for urban areas

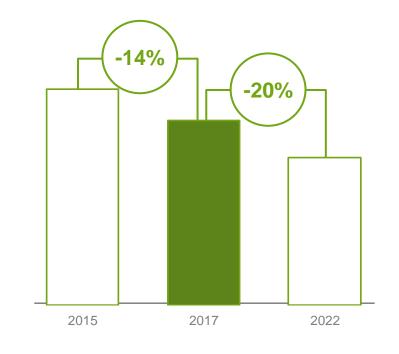
-21% vs peers avg **ELEKTRO**

-12% COSERN Room to -11% COELBA improve **CELPE**

Source: Ranking ANEEL

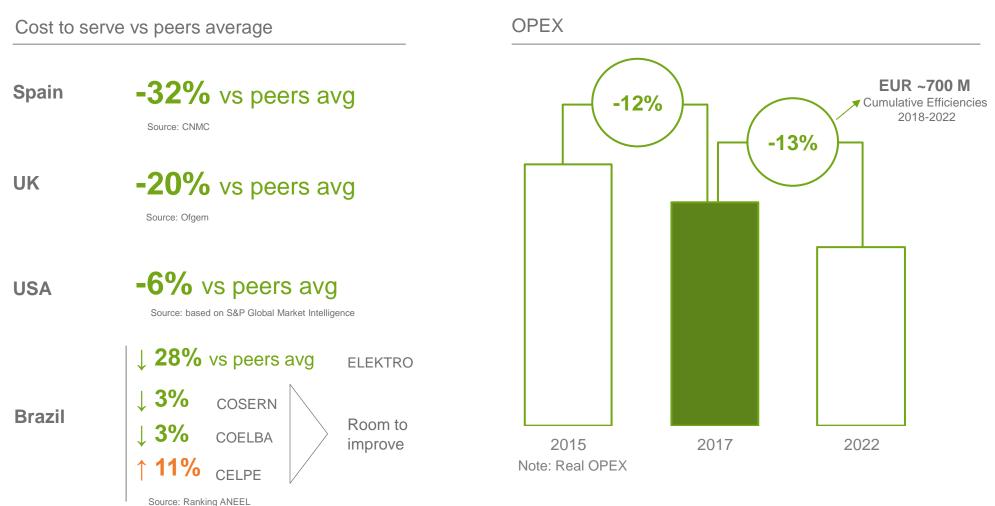
Note: US comparison only with urban OpCos (RGE and UI)

Minutes interruption



Operational Efficiency: Today and expected results

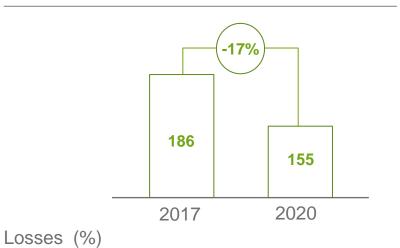
Total cumulative efficiencies of EUR 700 M during the period, partially shared with customers

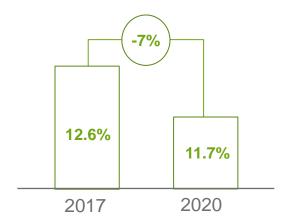


... and are key to foster business integration and best practice sharing

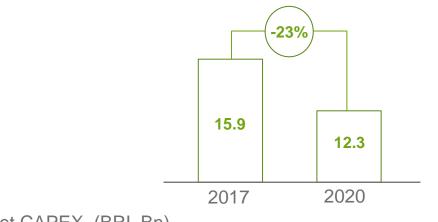
Ambitious plan for the integration of Neoenergia: improving efficiency, service quality and losses based on Iberdrola's global networks expertise

Cost to serve (BRL / customer)

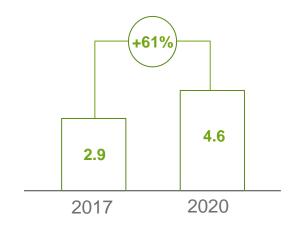




DEC (hours interruption)



Net CAPEX (BRL Bn)



Profitable Growth 2017-2022: Transmission

Solid background as transmission operator in UK and US subsidiaries...

... that allows growth opportunities in core areas with T&D synergies

2017 New Projects

Potential Transmission Projects up to 2030

NEOENERGIA

BRL **2.7** Bn **Reg CAPEX AWARDED**

4 lots awarded in Apr-17 + 2 lots in Dec-17



USA

USD **10** Bn

New England & New York

USD 75 Bn Source: Brattel Group

Other regions in USA



Brazil

BRL **90** Bn

ANEEL auctions

Source: ANEEL

Mexico

USD 7 Bn

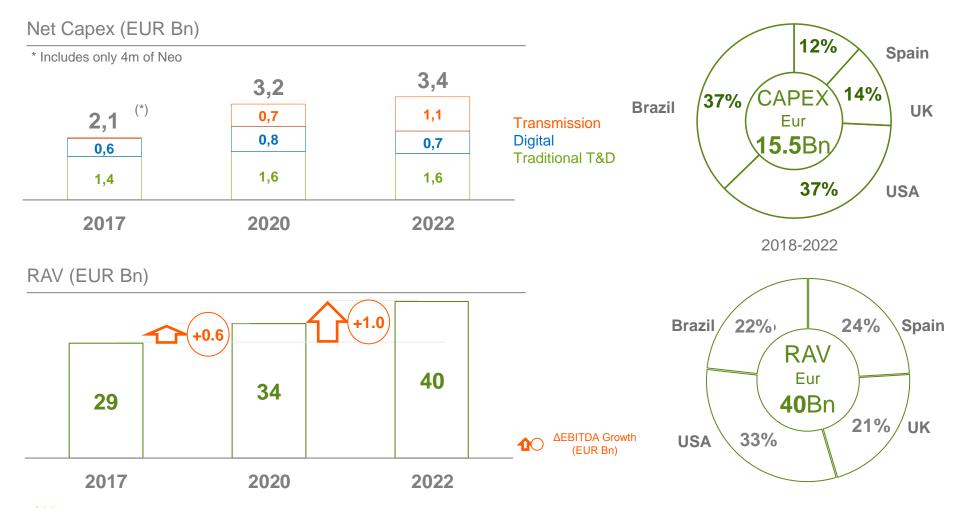
Source: Prodesen

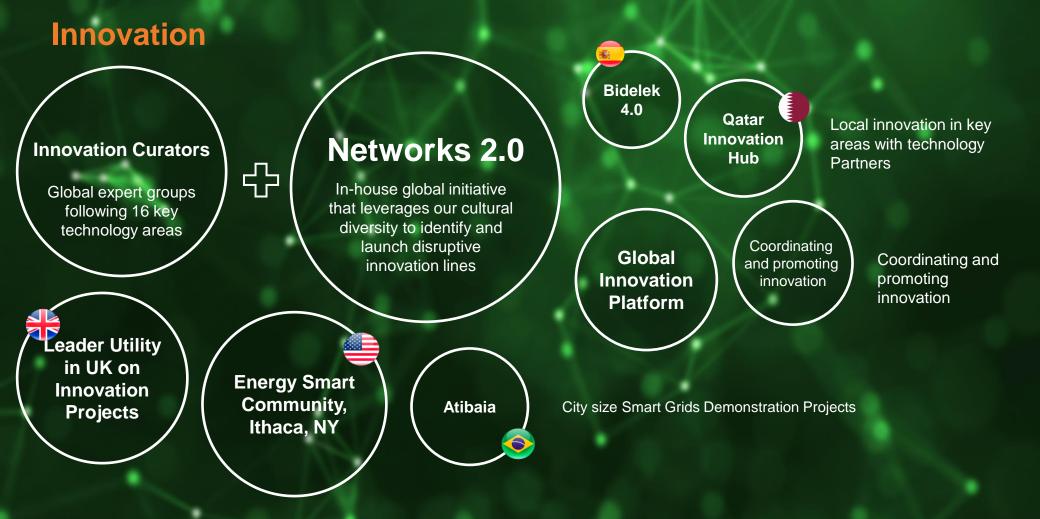
New HVDC transmission projects

Transmission Projects in or close to our Service Areas

> EUR 100 Bn opportunities in Core Areas

EUR 15.5 Bn of CAPEX during the period, providing EUR 11 Bn RAV growth and EUR 1,000 M additional EBITDA by 2022





100+ Innovation Projects Launched

A fully functional in-house innovation model, solving real problems today

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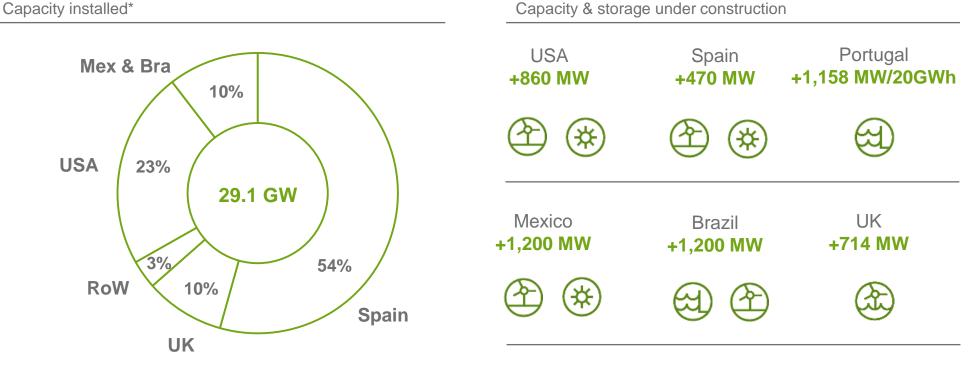
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Xabier Viteri

Renewable Business Managing Director

Iberdrola: consolidated leading position in the renewable sector...



^{*}Hydro 44% of total capacity

...with more than 29.1 GW installed and over 5.6 GW under construction

As of today we are already 13% above the 2016-2020 growth Plan commitments

Profitable growth

Mature renewable technologies: consolidating leadership in core areas with attractive returns

Strategy focus on auction processes with acceptable levels of return...

Brazil

295 MW awarded in December 2017 in Leilão A-6 at the **highest price**.

...and taking advantage of Iberdrola's capabilities to achieve attractive IRRs when auction prices do not provide reasonable returns

Spain Mexico Portugal

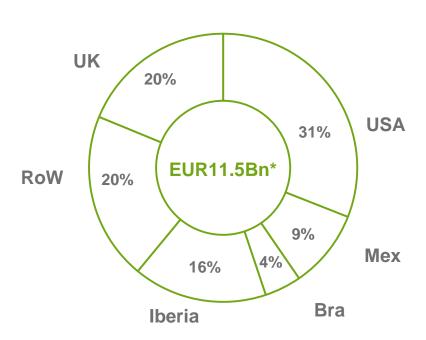
844 MW of wind and solar PV and 1,158 MW of hydro & storage being constructed under **internal schemes**.

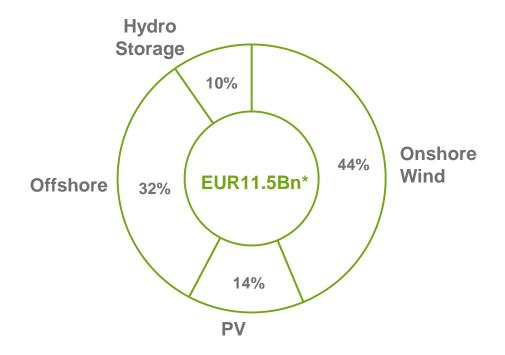
Profitable growth

... investing EUR 11.5 Bn during the period, 90% allocated to growth

2018-2022 Investments (EUR Bn) by geography

2018-2022 Investments (EUR Bn) by technology





^{*} EUR 10.2 Bn growth investment

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Aitor Moso

Liberalised Business Managing Director

Competitive portfolio and consolidated customer base in our core countries

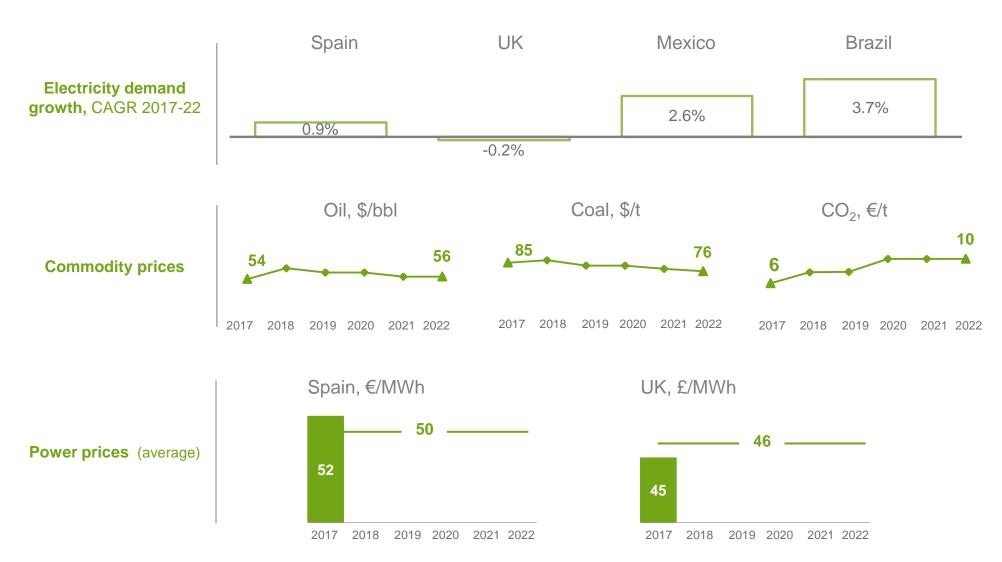




Services to Customers (M)	23
Electricity	13
Gas	3
Smart Solutions	6

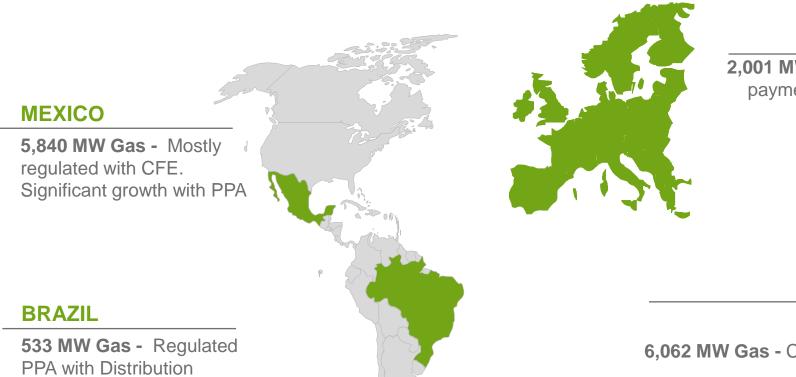
Energy supplied (TWh)	179
Electricity	139
Gas	40
Capacity (GW)	18
Production (TWh)	85

Energy markets: Outlook 2022



Prices derived from market quotations and estimates of commodities from analysts (PIRA, WoodMac, Aurora, CERA-IHS)

18,487 MW of installed capacity



UK

2,001 MW Gas - Capacity payments secured up to 2022

SPAIN

874 MW Coal

6,062 MW Gas - Capacity payments required

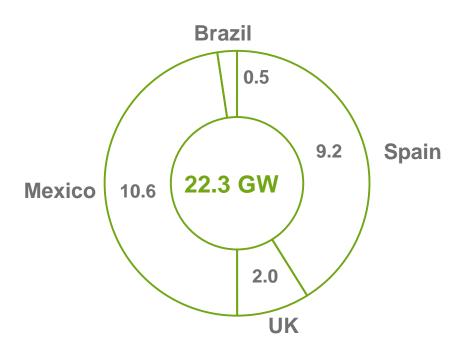
3,177 MW Nuclear

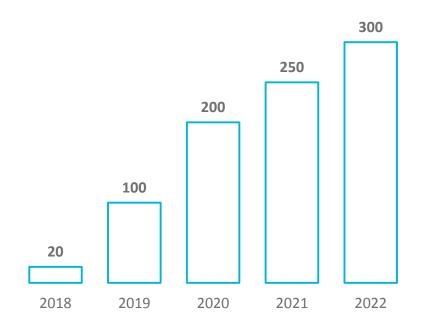
companies

Net investment in growth of EUR 1.2 Bn in contracted generation to provide an incremental EBITDA of EUR 300 M by 2022

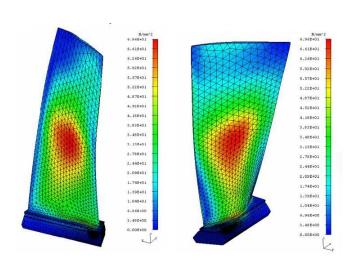
Installed Capacity 2022

Incremental EBITDA from growth investment (EUR M)





EUR 50 M cumulative efficiency gains 2018 – 2022 through further operational efficiencies and overall fleet performance enhancement



CCGT optimisation

- √ 2% efficiency increase
- √ 35% turndown reduction
- √ 60% start up time reduction

Asset life cycle management, predictive analysis and machine learning based on data analytics

√ 14 GW of CCGT's and CHP in Spain, Mexico, UK and Brazil

100% digital & automated fleet (Nuclear, CCGT and CHP)

23 M services to customers

MEXICO

2k I&C services to customers 42.3 TWh energy sales

UK

6 M services to customers **53 TWh** energy sales

BRAZIL

1k I&C services to customers

12.7 TWh energy sales

SPAIN & CE

16.6 M services to customers 71.4 TWh energy sales

Additional 9 M services to customers in Europe leveraging Iberdrola's retail platform for growth

Effective and efficient retail platform



- Lowest cost to serve in Spain and the UK
- High penetration of smart solutions (~60% in Spain)
- Replicable in new countries and markets
 - Italy market entry example:



<EUR 1 M Capex

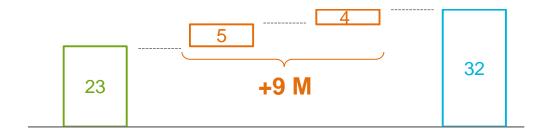


<6 months roll-out



Replicable to accelerate entry into new geographies

No. of services to customers (M)



Sustained growth in core markets





European expansion









Smart solutions in Mexico and Brazil





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José Sainz Armada

Chief Financial & Resources Officer

Macro hypothesis for 2018-2022

Higher interest rates in Eurozone, USA and UK as solid growth and inflation drive monetary policies to normalize

Low rates in Brazil due to a recovery scenario and controlled inflation

	Interest rates						_	
	Average 2018-22		2020 End of year		2022 End of year		New financing	
	3M	10Y ¹	3M	10Y ¹	3M	10Y ¹	a	verage spreads
€	0.75%	1.56%	0.90%	1.78%	1.60%	2.00%	>>	0.84%
\$	2.82%	3.26%	2.90%	3.35%	3.30%	3.50%	>>	1.10%
E	1.71%	2.26%	1.85%	2.30%	2.55%	2.90%	>>	1.20%
(S) (R) (S)	7.52%	-	7.50%	-	7.50%		>>	1.40%

^{1/} Swap 7 years for Eur, Treasury 10 years for USD and GBP

Credit spreads stable in €, \$ and £. Decreasing in BRL.

Macro hypothesis for 2018-2022

New Plan assumes depreciation of all currencies vs. EUR compared to Old Plan

Average FX rates vs. Euro



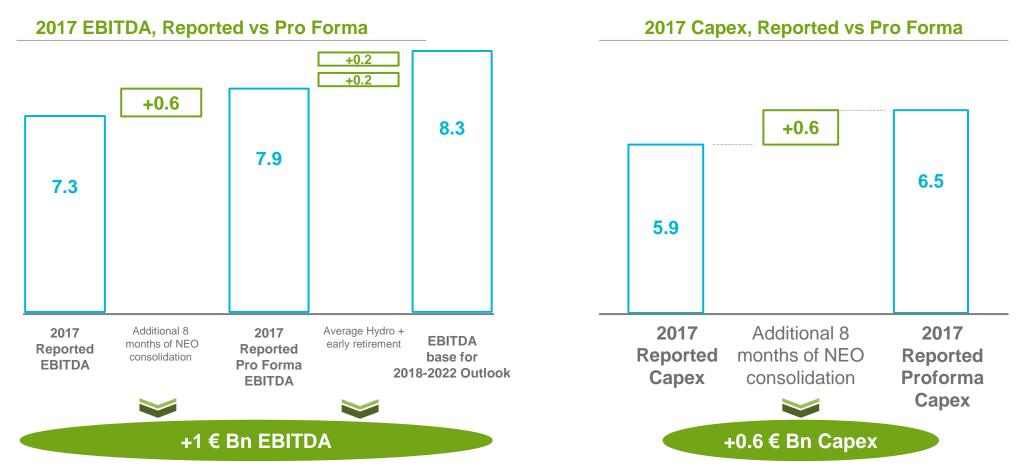
2018 Net Profit mostly hedged

Old plan refers to the Revision of the Strategic Plan in February 2017 while New Plan refers to Long Term forecast January 2018 (5 years average) * February 16th 2018



2017 / From Reported to Pro Forma

2017 Reported Pro Forma EBITDA and Capex include 1 year consolidation of Neoenergia



2017 base EBITDA for the 2018-22 Outlook will be Eur 8.3 Bn.

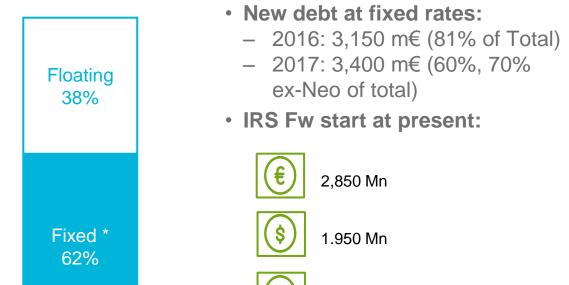
2017 base Net Profit for the 2018-22 Outlook will be Eur 2.8 Bn, as EBITDA effects are compensated by Non Recurring impacts*

^{*}Gamesa capital gain and other

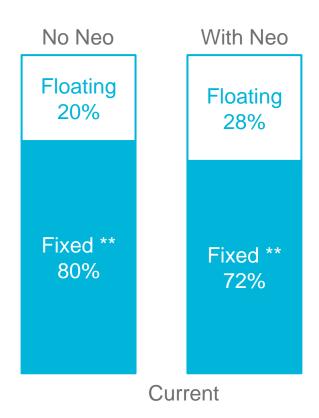
2017 Interest rate risk management

Increase in fixed-rate structure in 2017 to 80% excluding Neo (72% with Neo) to take advantage of low interest rates reducing volatility in the financial expenses

Debt Structure



1.280 Mn



Managing interest rate risk advancing rising trend

2016

^{*} Including the 3.2 Bn in forward swaps already fixed at 2016 year-end

^{**} Including the 6.0 Bn in forward swaps already fixed at present

2017 Financial activity

Financial cost



Improving financial cost target: 2017 financial cost ex-NEO 25 b.p. below plan

Liquidity (Ex Neo)



Fulfilment of rating agency requirements

FX Risk management





Positive hedge result



Successfully managing exchange rate risk in a volatile environment

^{*} Including Neoenergia from August 24th

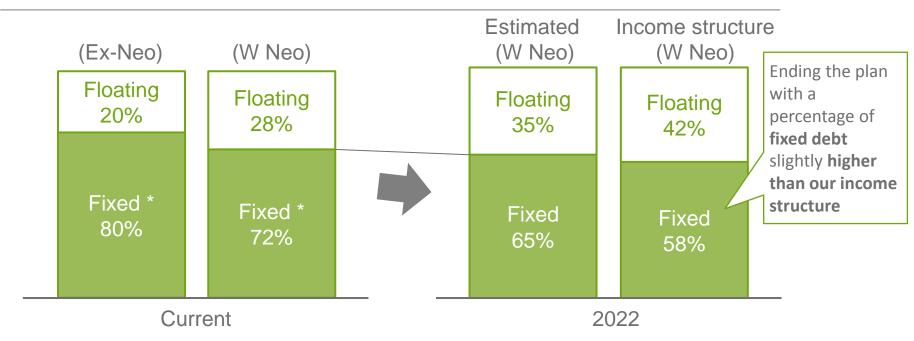


^{*} Including early 2018 liquidity deals signed

B2 Interest rate risk management

Optimum cost of capital ensured by having increased our fixed-rate structure during the last two years, anticipating the forecasted rate hike

Debt structure



^{*} Adding the 6.0 €Bn in forward swaps already fixed at present

Low refinancing risk in fixed debt as we have more than 6 € Bn in forwards

B2 Interest rate risk management

Debt structured to protect P&L in the short/medium term, maintaining a current high fixed percentage to protect from rising interest rates



Debt structure

- Duration of regulatory cycles: on average 4-5 vears
- Average life of debt of 6 years guarantees repricing of debt post regulatory changes to adapt to new interest rate scenario

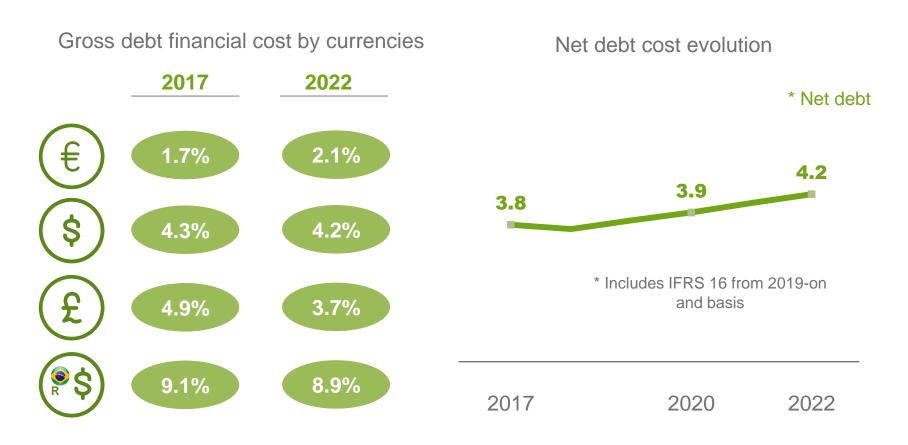


Over net debt 2018/2022 average

% fixed



Average cost of net debt will remain low during the Plan after including NEO, below 4% until 2020

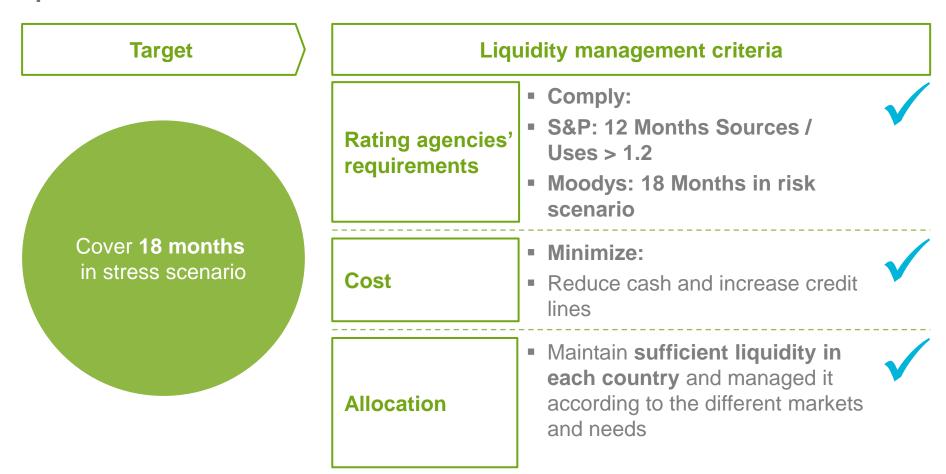


... larger investments in Brazil and The US during the Plan drive higher average cost of debt to 4.2% by the end of the Plan

^{*} Includes IFRS 16 and basis



Active liquidity management, maintaining ~ 8-10 € Bn, with room to increase if required

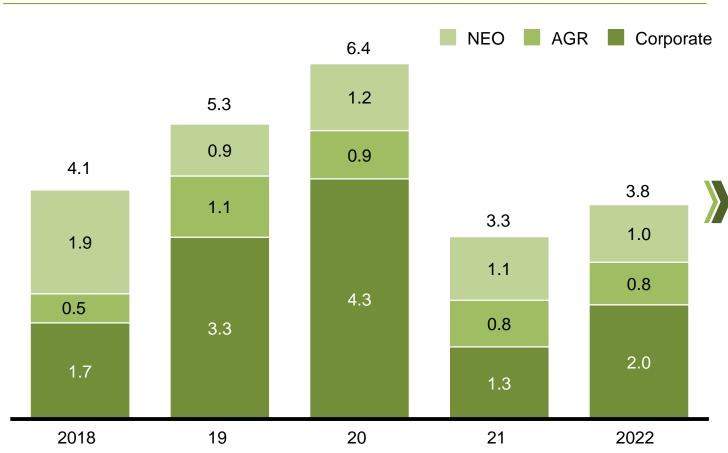


Neoenergia has its own liquidity policy that covers 12 months of financing needs



Financial needs have a comfortable maturity profile over the period





- Moderate financial needs thanks to a comfortable debt maturity profile and strong funds generation
- Main source of financing will be Holding (55%) but USA and Brazil will access financing markets too (17% and 28% respectively)
- Aim to maintain average debt life of 6 years (excluding Neo, which has an average life < 3 years)
- Neoenergía has a higher turnaround in needs as average debt life is shorter (<3 years)

Will be financed mainly from the Holding (55%)

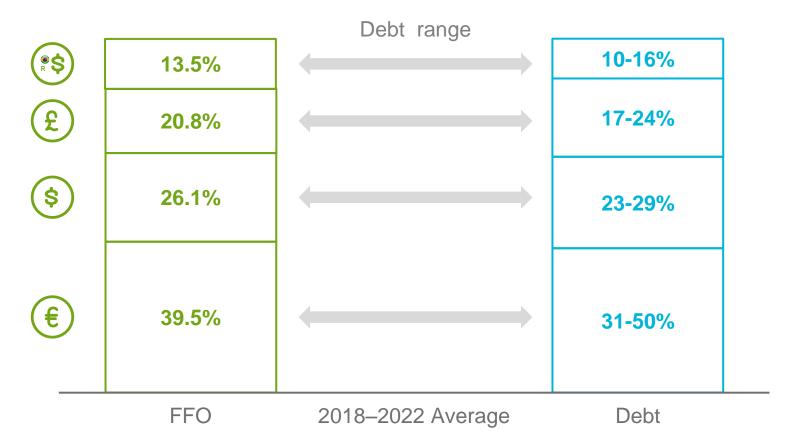


B5 FX risk management: structural

Structural FX hedge is taken by having the debt in the same currency and similar % as the funds from operations

Minimize FFO / Net Debt ratio volatility





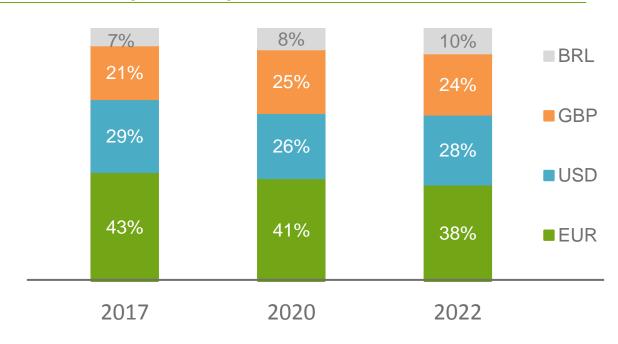
FX risk in the Profit & Loss account is minimized through derivatives



Hedging Net Income FX exposure in currencies other than Euro

Net Income by currency

Maximum risk allowed: 150 €Mn per year ~5.0% of average Net Income



Almost 100% of the 2018 risk position already hedged: USD, GPB and BRL