

# Outlook 2018 – 2022 Update

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London

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26 february / 2019

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Ignacio Galán  
Chairman & CEO



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# Strategic Overview

# A new energy context

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## #1 Industry Trends

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## #2 Energy Transition

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## #3 Iberdrola's Approach

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#Business Units



#Strategic Pillars



#Value Creation



# #1 Industry Trends

## The World faces the need for...

1

### ...Decarbonisation

Climate change and air pollution lead to severe **impacts** on **ecosystems, infrastructure** and **social systems**

*+30% emissions to 2040 under current policies scenario<sup>1</sup>*

2

### ...More Energy

Population growth, increased **urbanisation** and extension of power supply

*+30% energy demand by 2040 (NPS)<sup>1</sup>*

3

### ...Optimised Processes

Increased **competitiveness** and **complexity** requires enhanced **efficiency** and an **agile** culture

*Global corporate spending on energy R&D USD 88 Bn (2017)<sup>2</sup>*

4

### ...A New Customer Approach

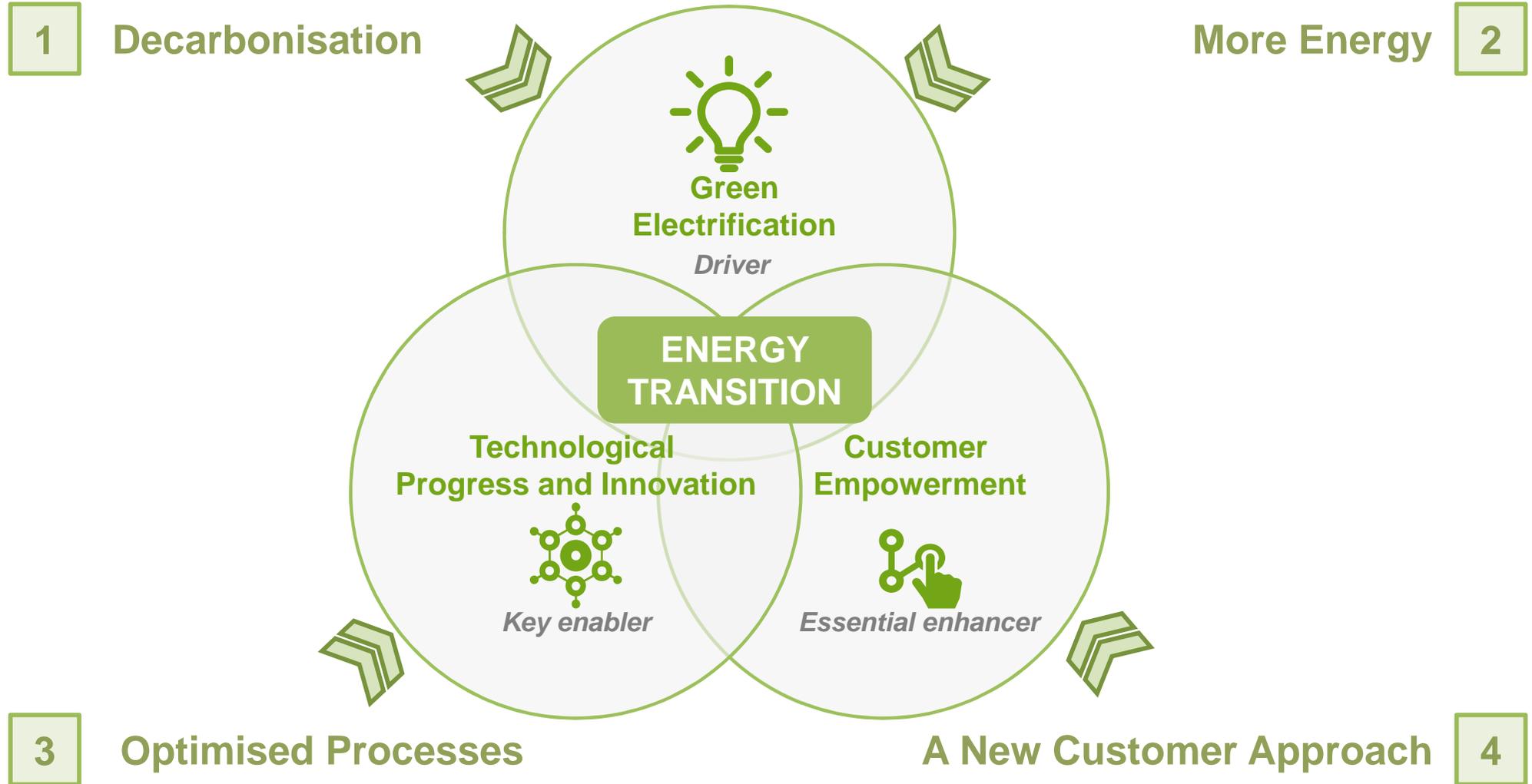
A more **informed** and **pro-active** customer with **new habits** and **behaviour** and **smarter tools**

*Internet of Things devices worldwide to grow from ~27 Bn in 2017 to 125 Bn in 2030<sup>3</sup>*

...requiring a new and sustainable model

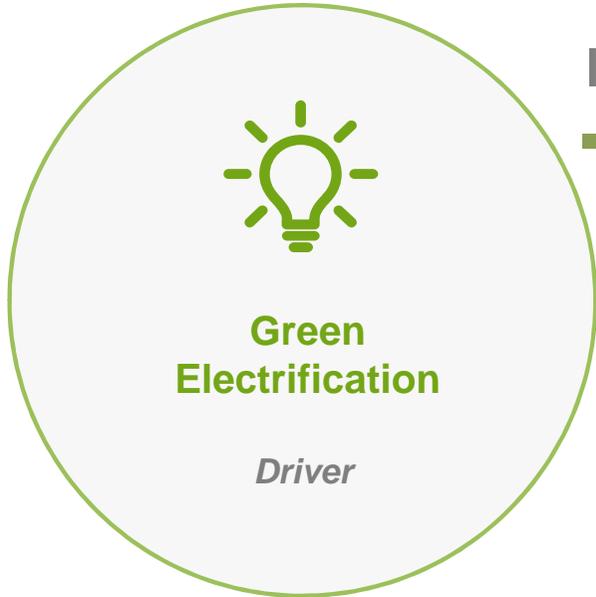
# #2 Energy Transition

## A clean, reliable and smart model



# #2 Energy Transition

## Increased GREEN ELECTRIFICATION based on...

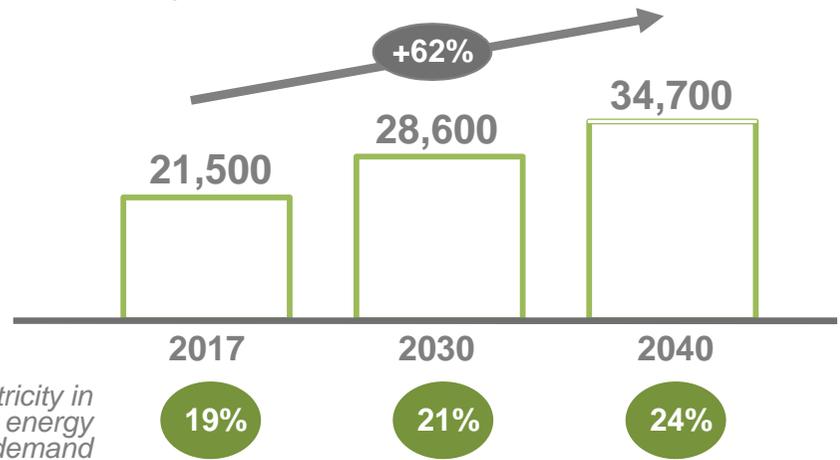


- ...more and better ENERGY POLICIES
- ...enhanced PRIVATE INITIATIVES
- ...sophisticated GREEN FINANCING tools (i.e. TFCD)
- ...stronger PUBLIC AWARENESS
- ...improved AUDITING & TRACEABILITY mechanisms

2018 - 2040	<p><b>Renewable generation growth: +164%, Total electricity demand increase: +62%<sup>1</sup></b></p> <hr/> <p><b>USD 16,300 Bn investments in Renewables &amp; Networks<sup>1</sup></b></p>
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### World electrification<sup>1</sup>

Electricity demand, TWh



...to support the upcoming global electricity demand growth

<sup>1</sup> IEA: World Energy Outlook 2018, New Policies Scenario (NPS)

# #2 Energy Transition

## TECHNOLOGICAL PROGRESS & INNOVATION allow...

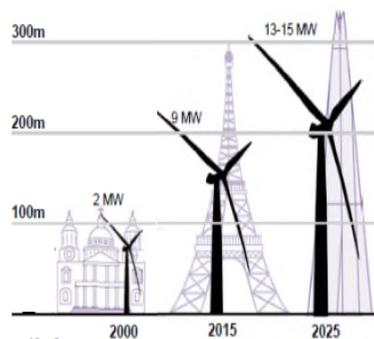


...a continuous **COST REDUCTION** in green technologies

...developing enhanced **CAPABILITIES**

...reaching improved **ACCESIBILITY**

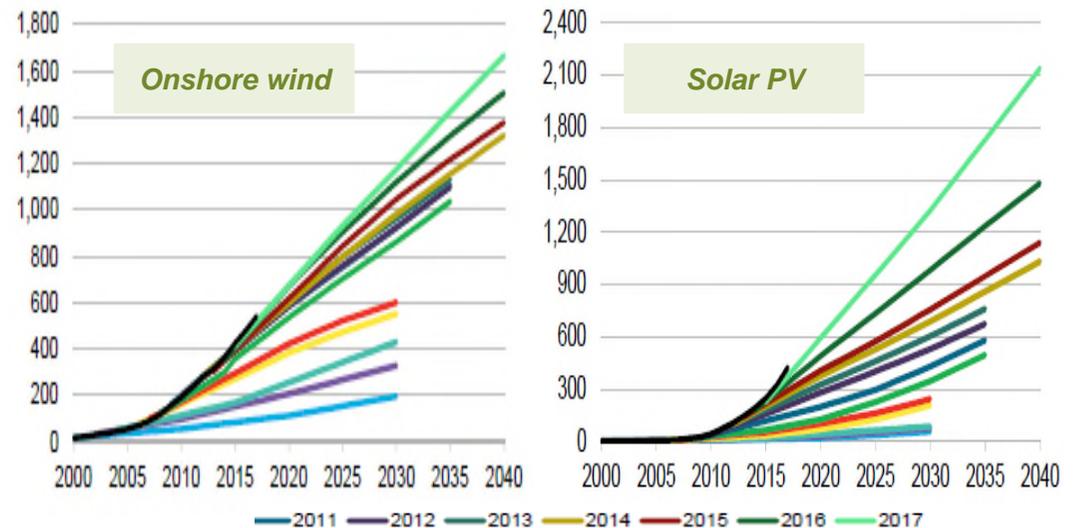
Wind turbine size



Solar PV evolution

Bi-facial PV solar panels: up to 25% yield

Global cumulative capacity forecasts (installed GW)<sup>1</sup>



...estimates to be consistently exceeded and recalculated

<sup>1</sup> IEA: World Energy Outlook 2018, New Policies Scenario (NPS)

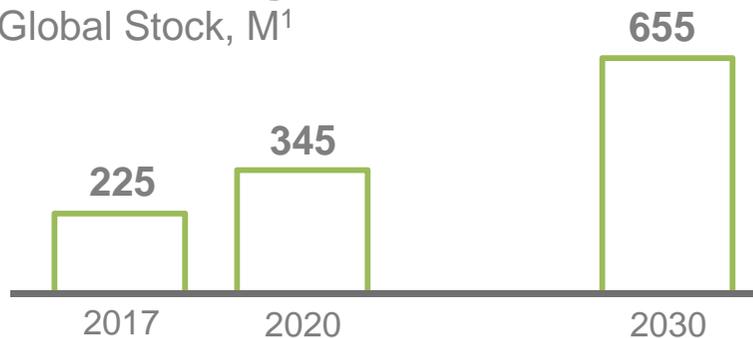
# #2 Energy Transition

## CUSTOMER EMPOWERMENT focused on...

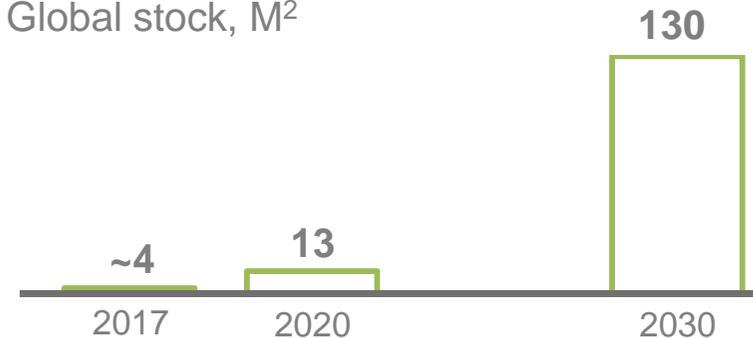


- ...new PRODUCTS & SERVICES
- ...evolved RESPONSIBLE CONSUMPTION habits
- ...increased CUSTOMISED energy demand
- ...a growing PROSUMER approach

Smart Meters growth  
Global Stock, M<sup>1</sup>



Electric Vehicle growth  
Global stock, M<sup>2</sup>



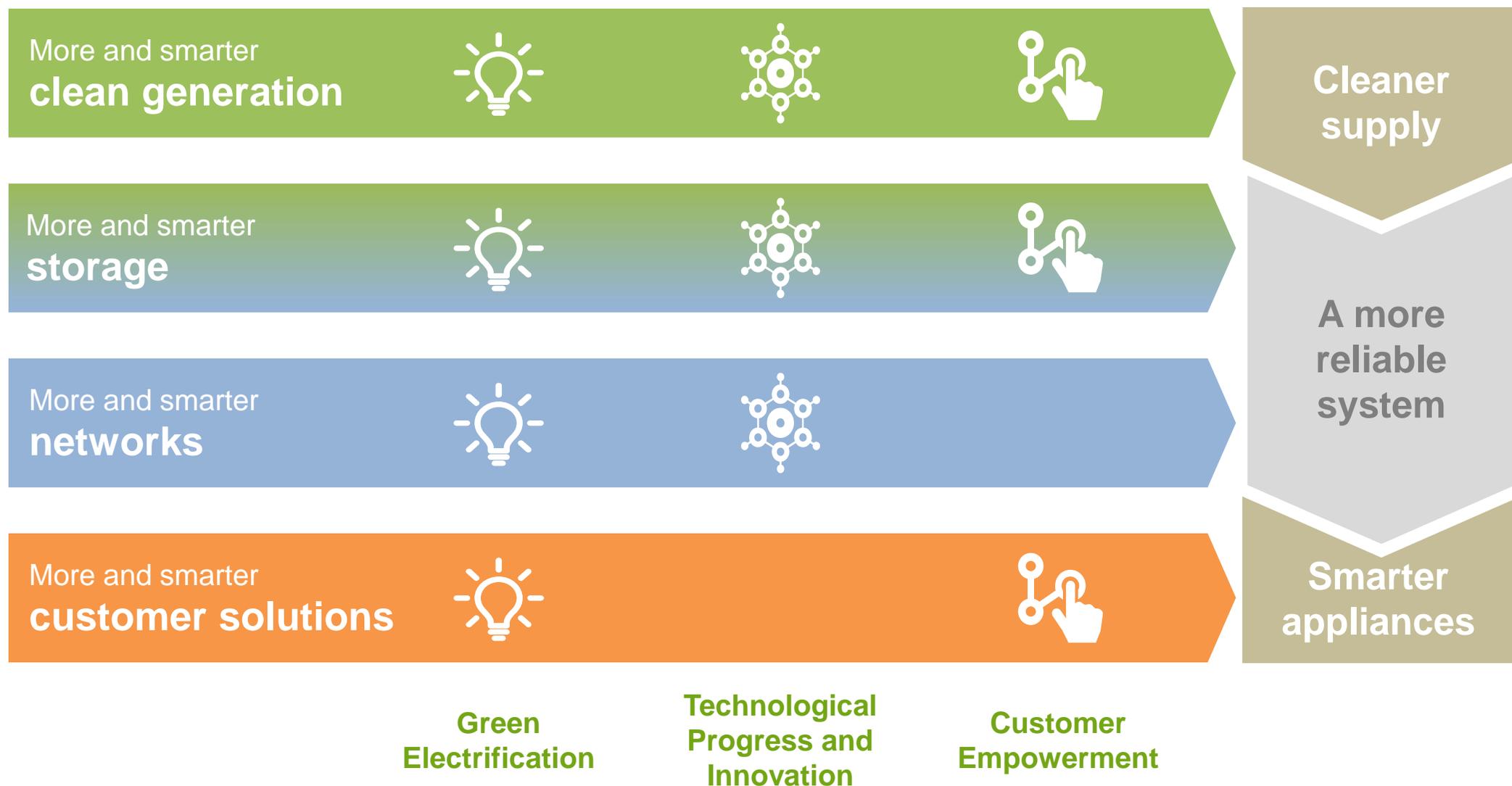
...making forecasts to be exceeded in the future

<sup>1</sup> BNEF. Includes only Europe, US and Latin America

<sup>2</sup> IAE: Global Electric Vehicle Outlook 2018, New Policies Scenario (NPS)

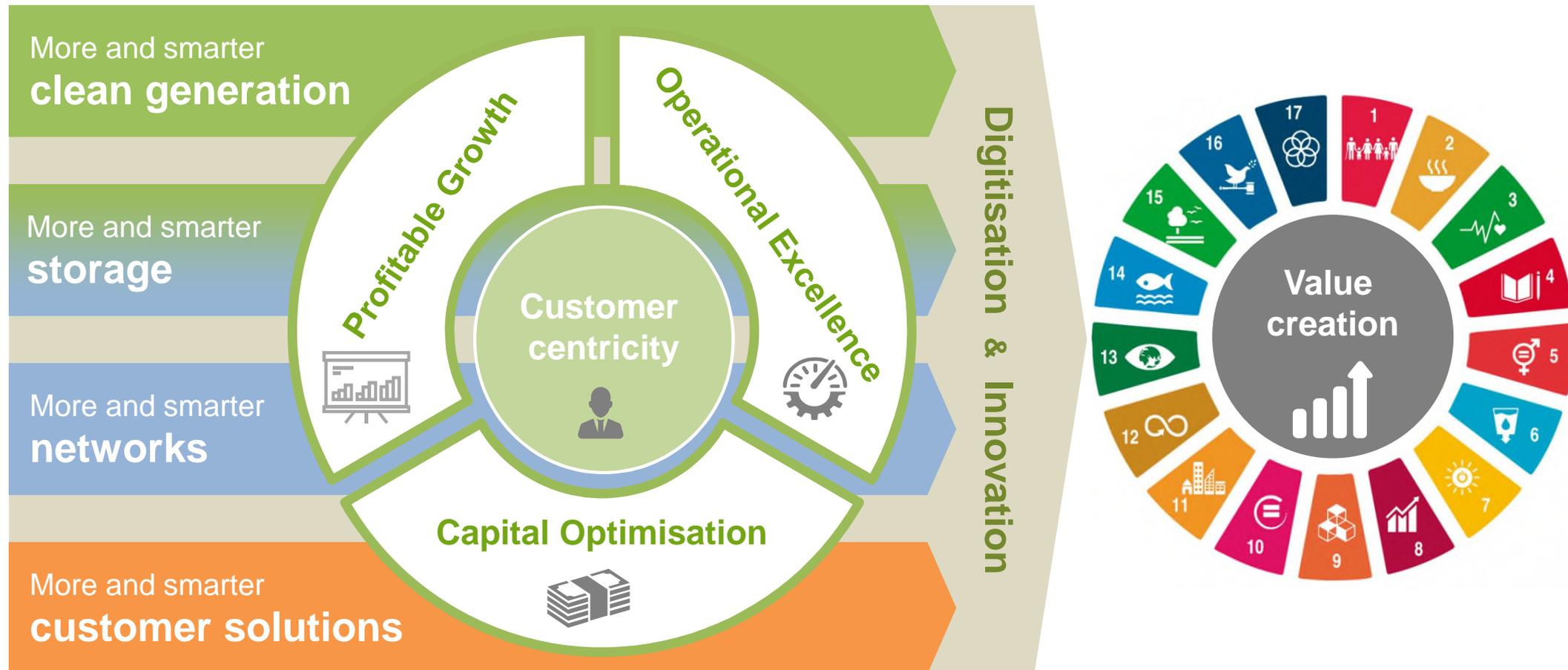
### #3 Iberdrola's Approach

The Energy Transition is an opportunity Iberdrola is ready to continue seizing in all its businesses



# #3 Iberdrola's Approach

Our strategic pillars, combined with digitisation and innovation...



...will continue delivering sustained value creation for all our stakeholders

# Outlook 2018- 2022 Update

### Accelerating the delivery of the 2018-2022 plan: ahead of the initial schedule

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**7.5% Growth in Net Profit to EUR 3,014 M** ✓

**EUR 9,349 M EBITDA (+27.7%)** ✓

**EFFICIENCY improvement (>10%)** ✓

**EUR 5,320 M INVESTMENTS** ✓

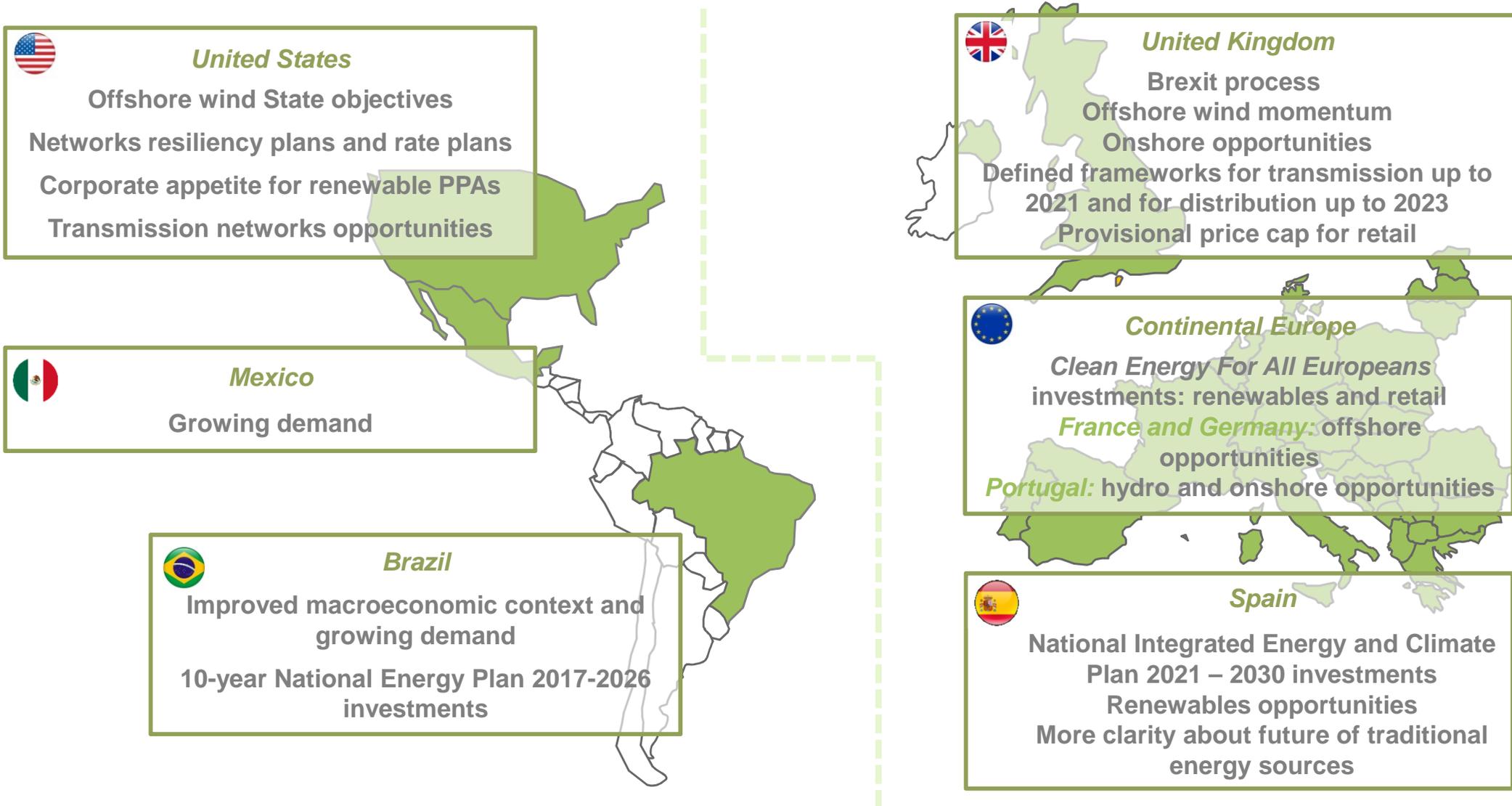
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**7.7% growth in shareholder remuneration<sup>1</sup>** ✓

<sup>1</sup> Subject to approval at Annual General Meeting (AGM)

# Context update

## New opportunities and challenges arise in the current context

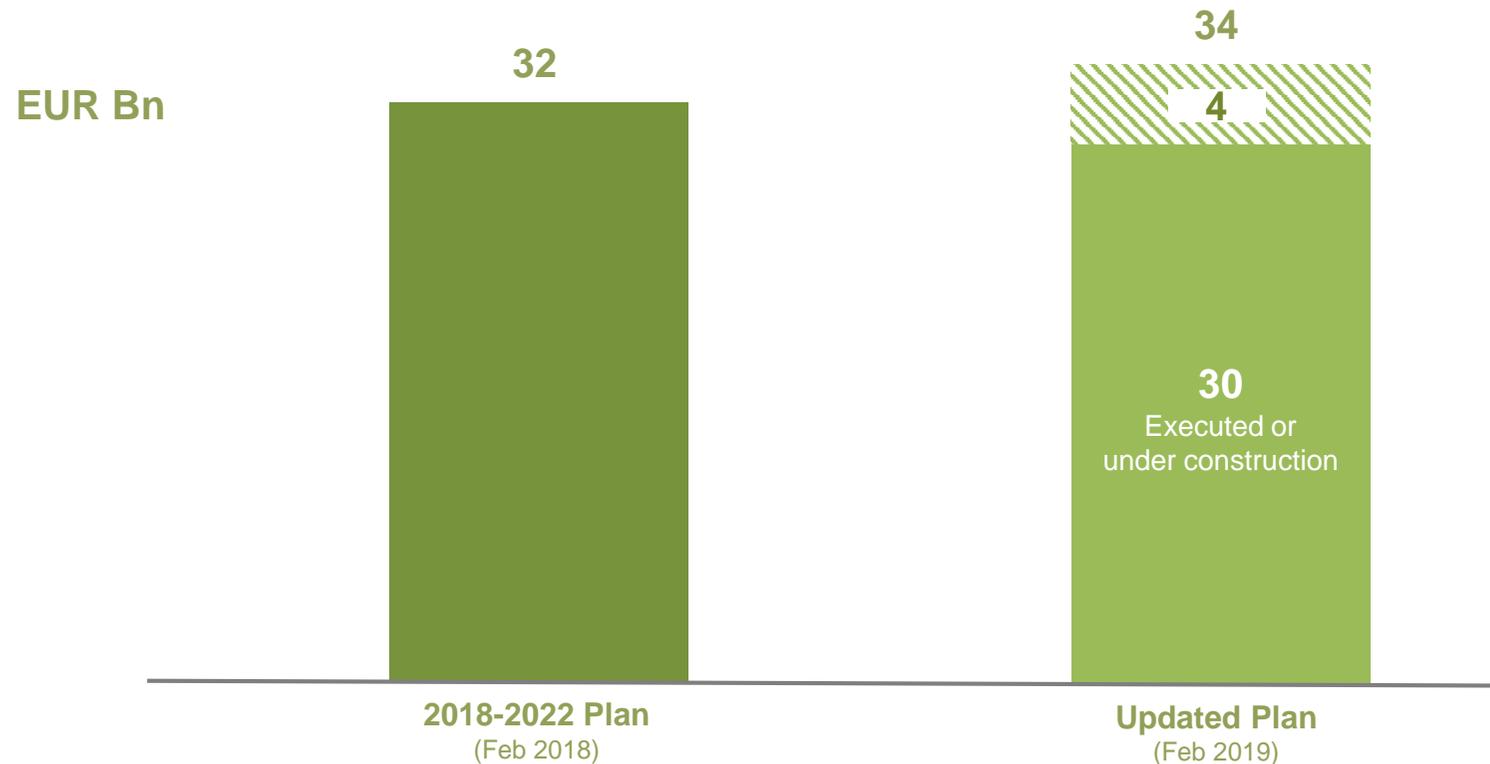


# Investments 2018 – 2022



Profitable Growth

## Accelerating investments to reach EUR 34 Bn, with EUR 30 Bn already executed or under construction



# Investments 2018 – 2022: investments by business

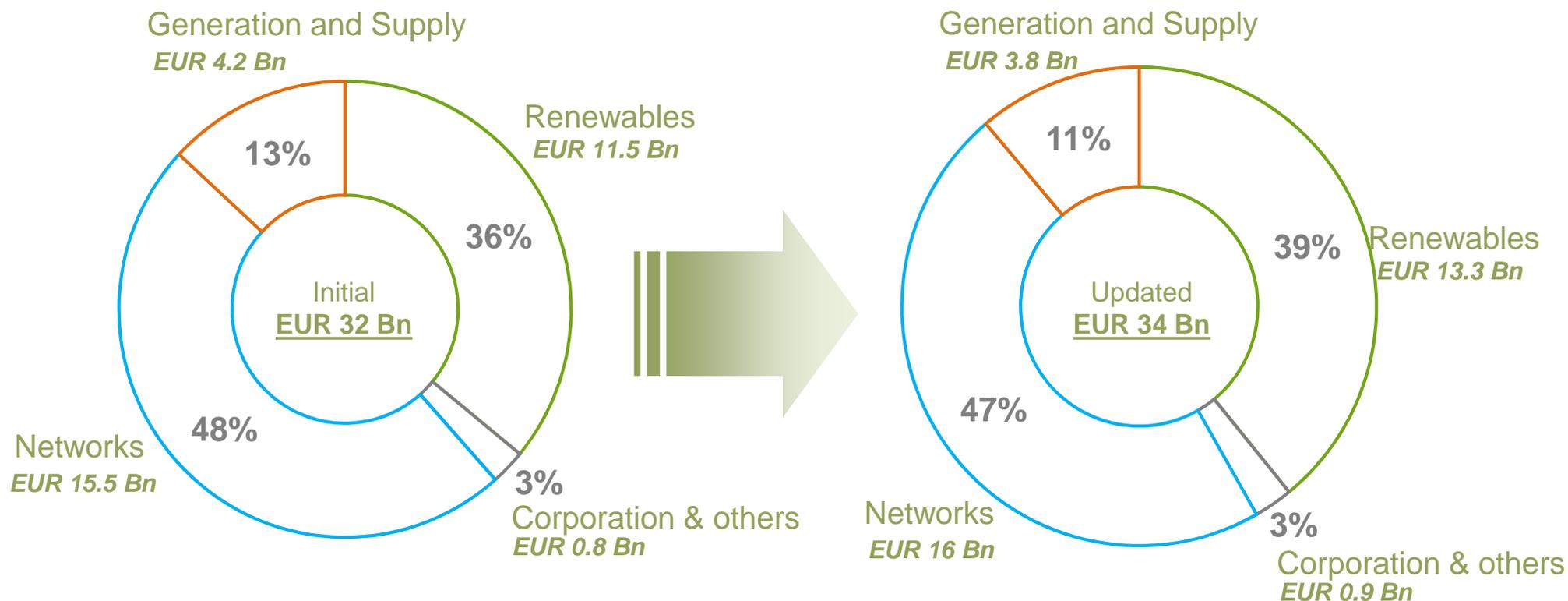


Profitable Growth

Increasing the investments in regulated or long-term contracted activities, up to 86%...

Initial **EUR 32 Bn** Plan

Updated **EUR 34 Bn** Plan



...due to new opportunities in Renewables or Networks in most of geographies

# Investments 2018 – 2022: investments by currency

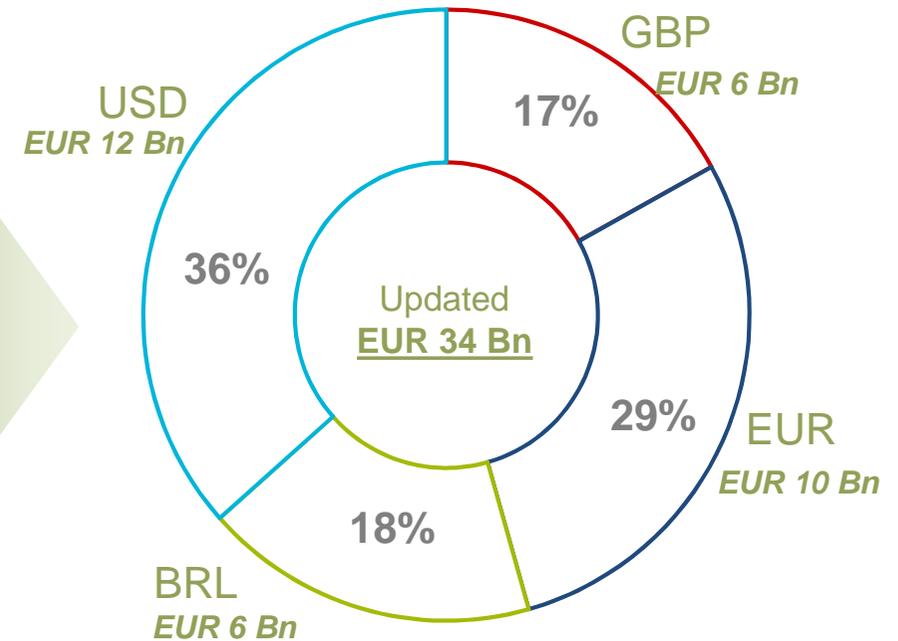
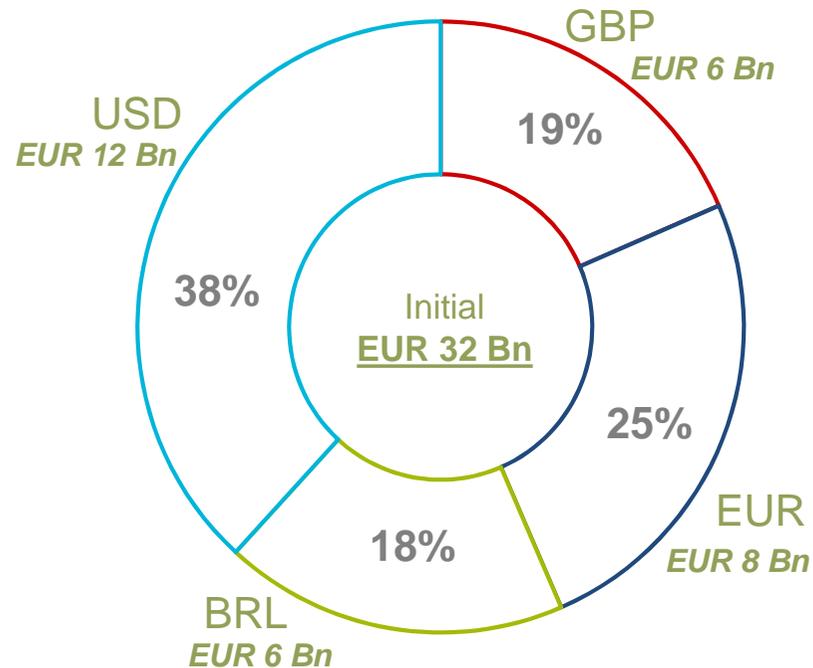


Profitable Growth

## Maintaining currency diversification...

Initial EUR 32 Bn Plan

Updated EUR 34 Bn Plan



...with a slight increase in the Euro share and decrease of British Pounds

# Investments 2018 – 2022: Networks assets



Profitable Growth

98% of EUR 16 Bn investments in networks in progress, based on existing regulatory schemes, increasing networks assets by 34%...

## Networks investments driven by regulatory schemes

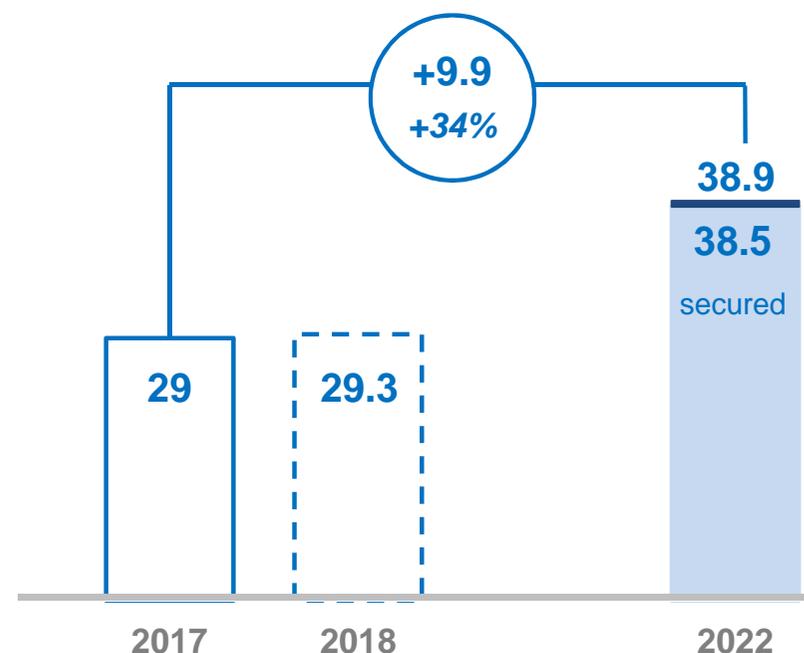
- Distribution – New York & Connecticut: up to 2019
- Distribution – Maine: up to fourth quarter 2020\*
- Transmission Maine and Connecticut: FERC regulated
- NECEC transmission: COD December 2022
- Gas - Connecticut: up to 2020 (SCG) and up to 2021 (CNG)
- Gas – Massachusetts: up to 2021

- Sao Paulo: up to 2019
- Pernambuco: up to 2021
- Bahía: up to 2023
- Rio Grande do Norte: up to 2023
- Transmission lines: from 2018 to 2048

- Transmission RIIO T1: up to 2021
- Distribution RIIO ED1: up to 2023

- Distribution: up to 2020

## Total Regulated Networks Assets (EUR Bn)



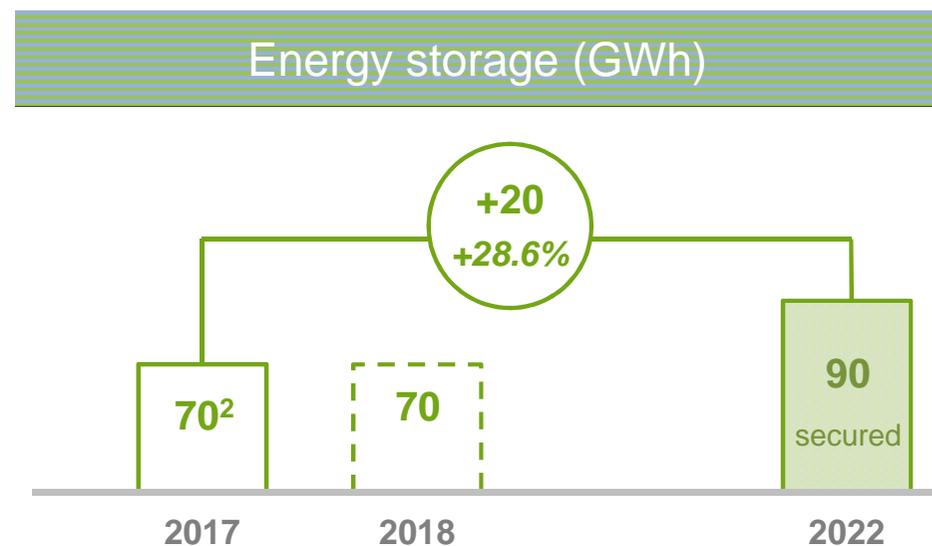
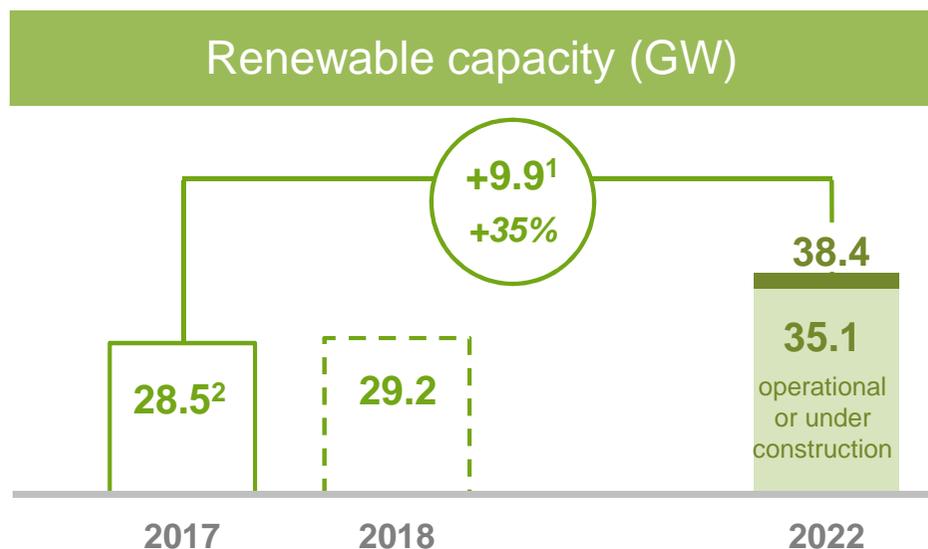
...with capital in progress mostly in the US and the UK, to reach EUR 3.7 Bn by the end of 2022 (vs EUR 2.1 Bn by the end of 2017)

# Investments 2018 – 2022: Renewable capacity



Profitable Growth

EUR 13.3 Bn of renewable investments: 70% executed or under construction to add +6.6 GW of capacity and +20 GWh of energy storage...



...and remaining 30% for +3.3 GW identified projects in Spain, the UK and the US during the plan. EUR 5.3 Bn capital in progress end of 2022

<sup>1</sup> Including 670 MW of Belo Monte which consolidate through equity

<sup>2</sup> Excluding pumped-hydro divestment in the UK (566 MW)

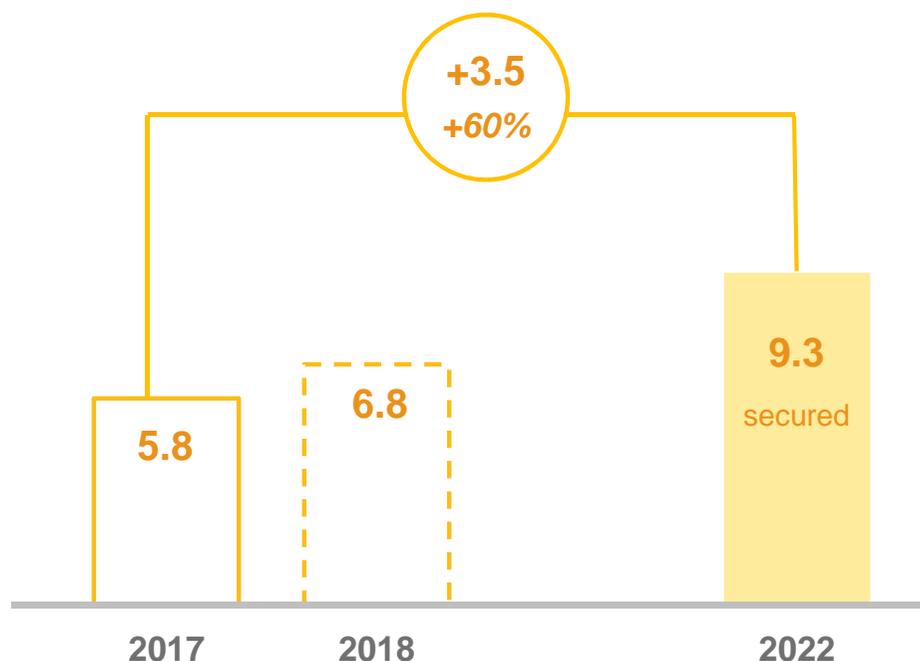
# Investments 2018 – 2022: Contracted generation capacity



Profitable Growth

Also in contracted generation, 100% of the EUR 3.8 Bn investments in progress...

Contracted generation capacity (GW)



...representing +3.5 GW by 2022

# Investments 2018 – 2022: Generation capacity



Profitable Growth

As a result, over 13 GW in progress will raise installed capacity by 39% during the plan...

Capacity in progress (MW)	Commissioning date	Commissioning date				New capacity 2018 - 2022	Additional Projects
		2018 - 2019	2020	2021	2022		
Renewables	Offshore		490	224			+3.3 GW to be operational by 2022
					400	400	
	Onshore		1,049	263			
			326	202			
			155	66			
						471	
				16			
	Solar PV		10				
			227				
			274	117			
	Hydro		612	306			
					998		
Combined Cycle & Cogeneration		2,729	779			3,508	
		5,871	1,973	1,398	871	10,113	13,413

...and capital in progress, mainly from offshore wind and hydro projects, to reach EUR 5.3 Bn by the end of 2022 (vs EUR 5.1 Bn by the end of 2017)



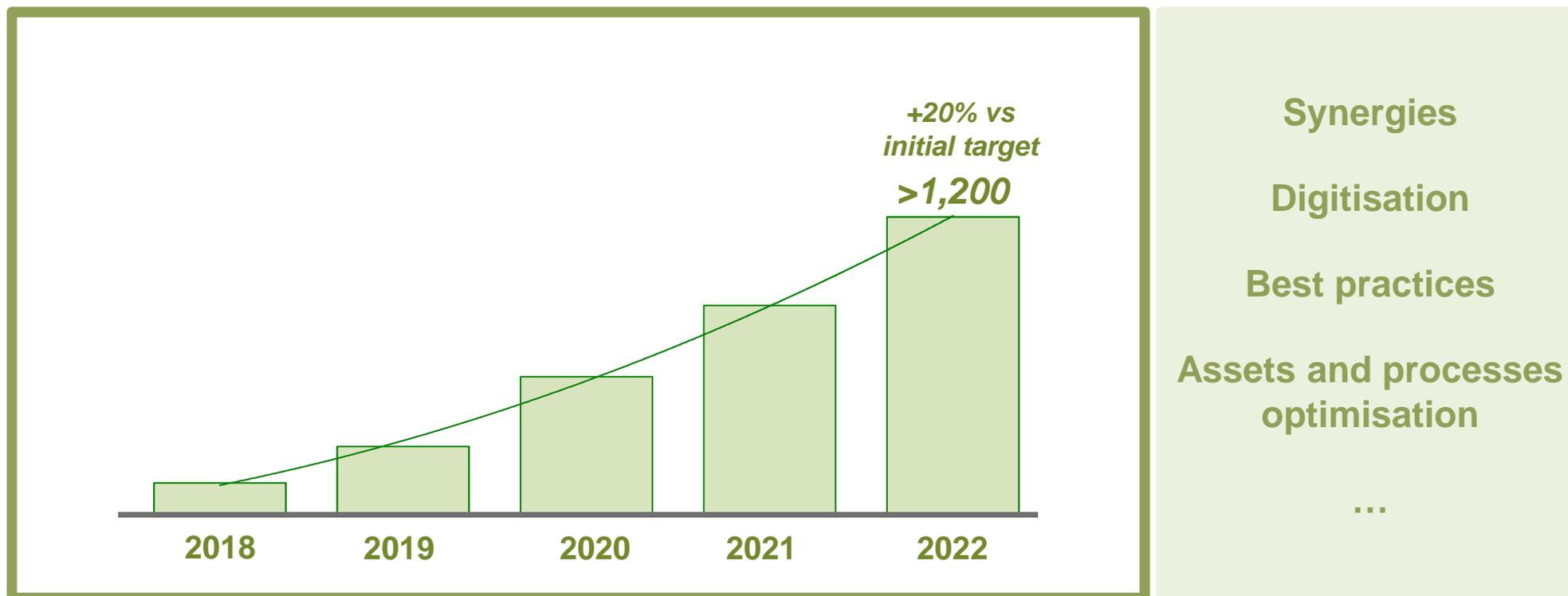
## EUR 3.5 Bn of capital optimisation through asset rotation





Measures executed and in progress will lead to an improvement of the initial target to over EUR 1,200 M...

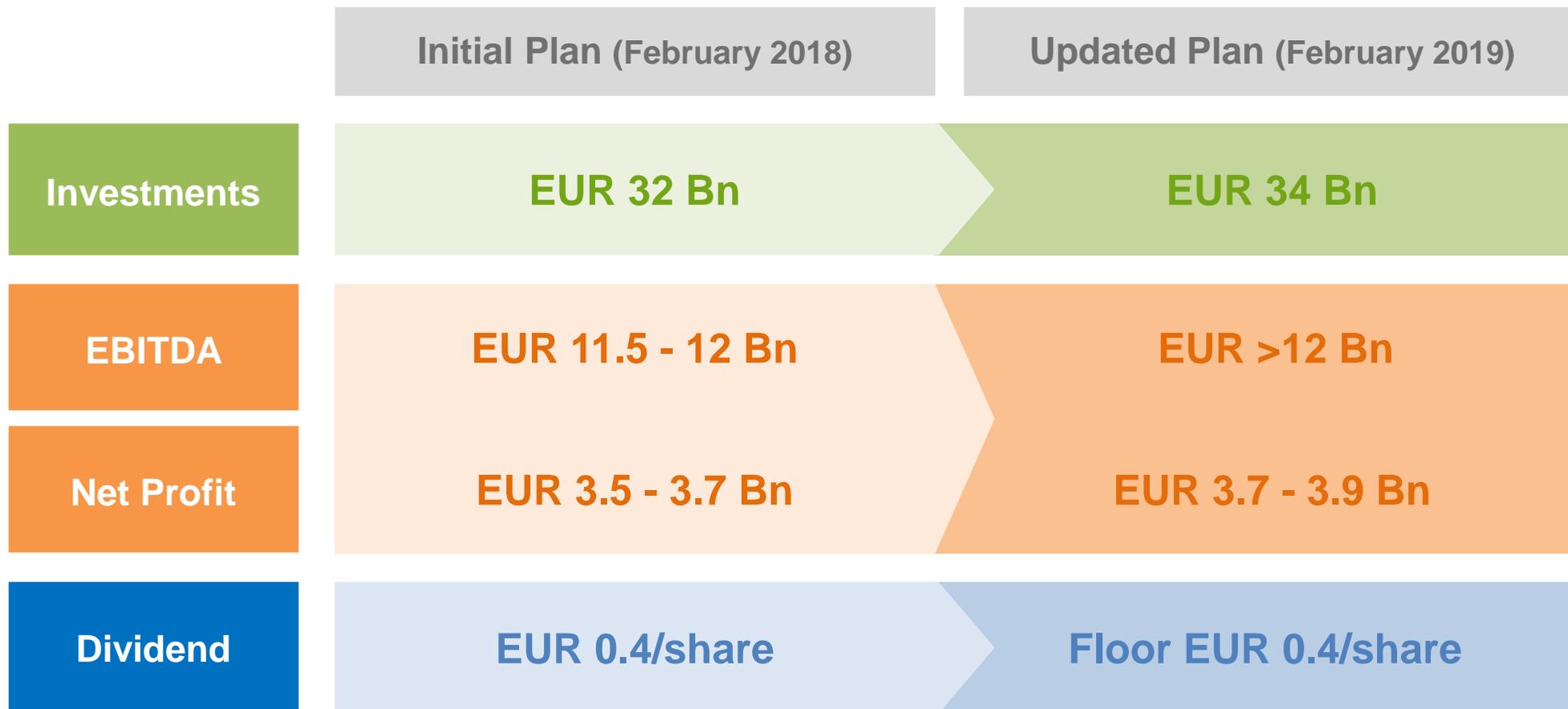
## 2018-2022 plan efficiencies (accumulated EUR M)



...of operational efficiencies during the period (EUR ~350 M in 2022)

# Growth: 2022 Results

Updated plan results exceed the upper limits of the previous plan...



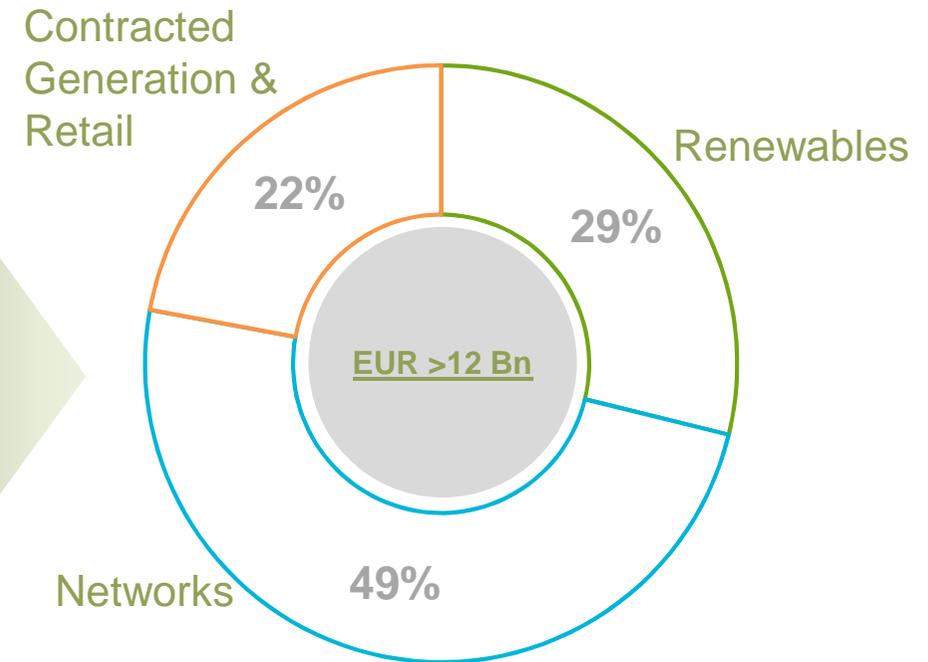
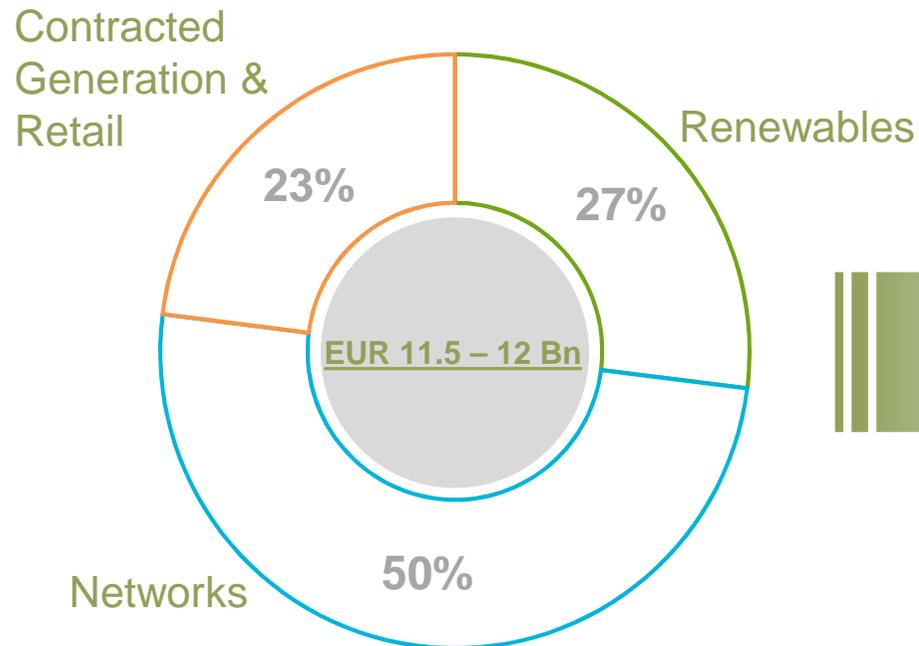
...becoming the new floor figures

# Growth: 2022 Results

Improved estimated results by 2022 with EBITDA over EUR 12 Bn in the EUR 34 Bn investments scenario

EBITDA by business:  
Initial EUR 32 Bn Plan

EBITDA by business:  
Updated EUR 34 Bn Plan



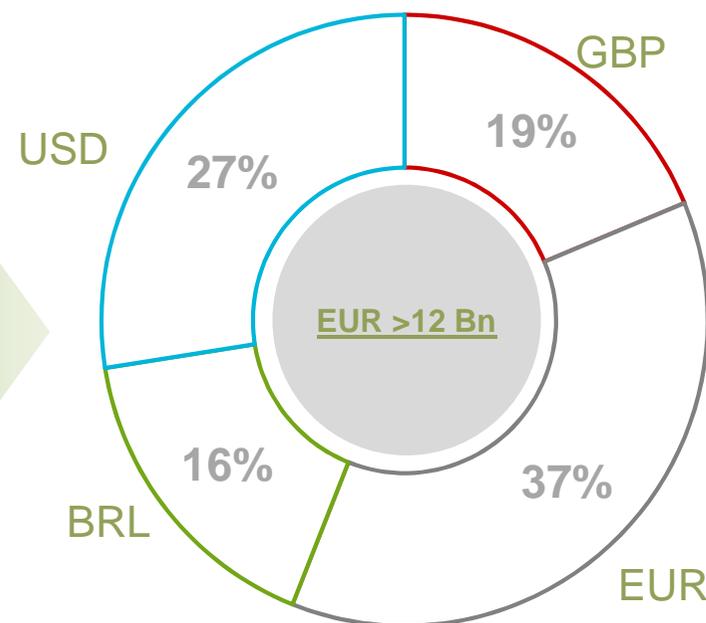
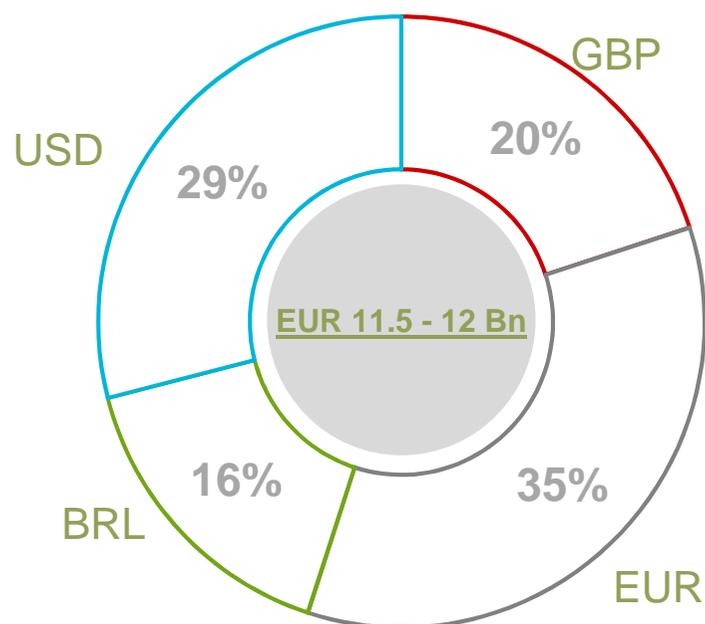
With renewables and networks share to increase up to circa 80%

# Growth: 2022 Results

## By currency, EBITDA distribution remains balanced

EBITDA by currency:  
Initial EUR 32 Bn Plan

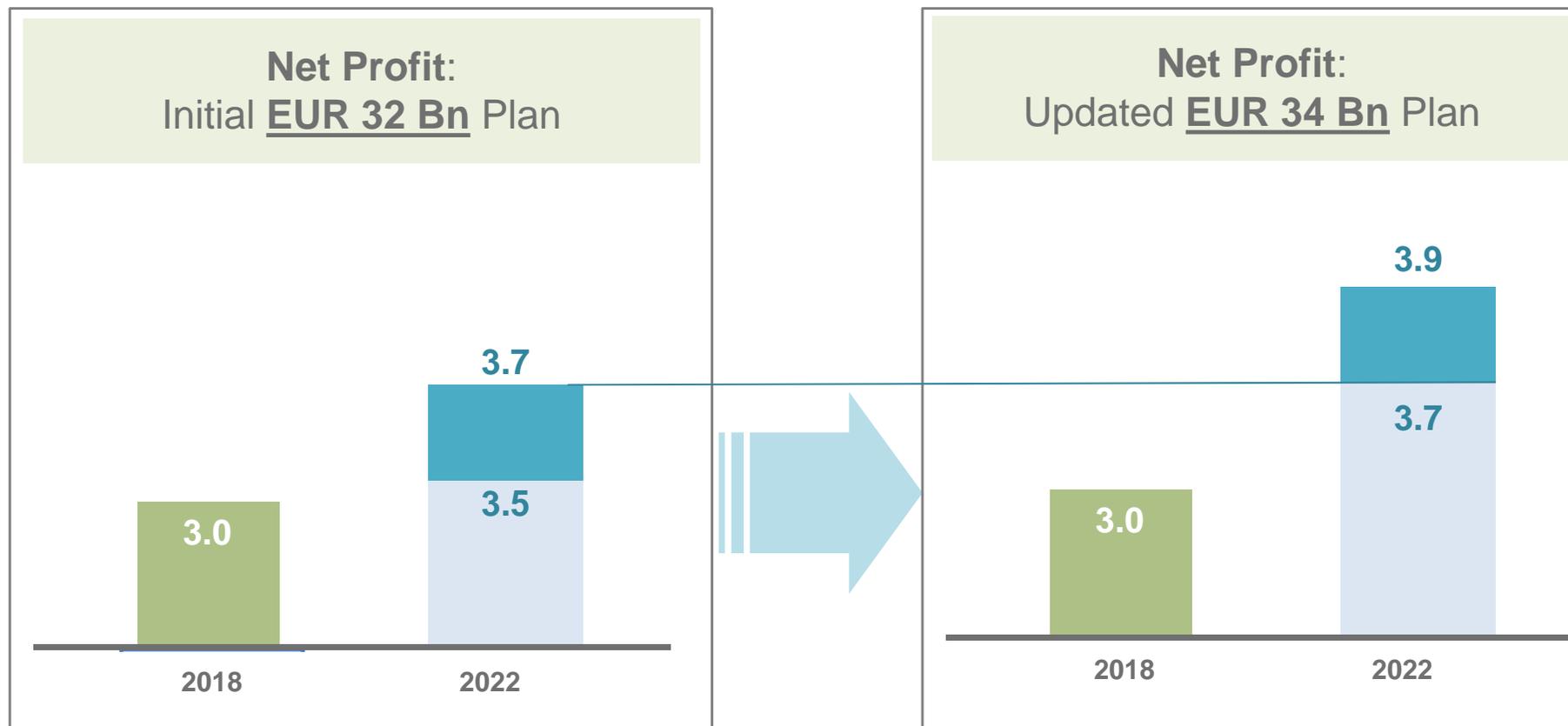
EBITDA by currency:  
Updated EUR 34 Bn Plan



## Growth: 2022 Results

Net Profit by 2022 between EUR 3.7 - 3.9 Bn

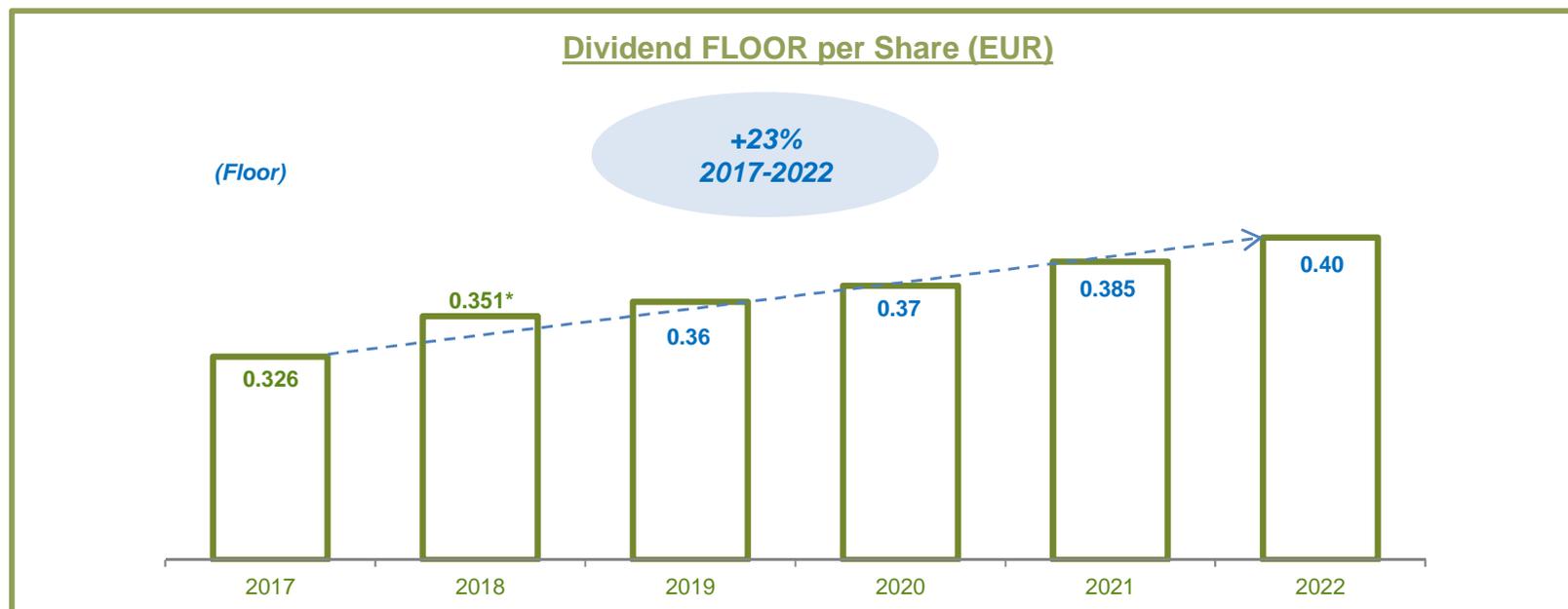
Upper part of the range becomes the lower part of the new range...



...with a Net Profit increase of up to 30% vs 2018

# Sustainable shareholder remuneration

## Growing dividend in line with results...



...with a growing floor, maintaining the shareholder remuneration policy:

Pay-out between 65% and 75%...

...maintaining optionality with the “Iberdrola Retribución Flexible” program...

... and the current number of shares at 6,240 million

\*Subject to approval at the Annual Shareholder Meeting 2019 (ASM)

## Our social dividend, based on the SDGs, will create value for our stakeholders



### Contributing to all SDGs

- Health and Safety
- Innovation, digitisation and quality for our customers
- Contribution to the well-being of our communities
- Good governance, transparency and commitment with stakeholders
- Training and development for our employees
- Promotion of Corporate Social Responsibility in the supply chain

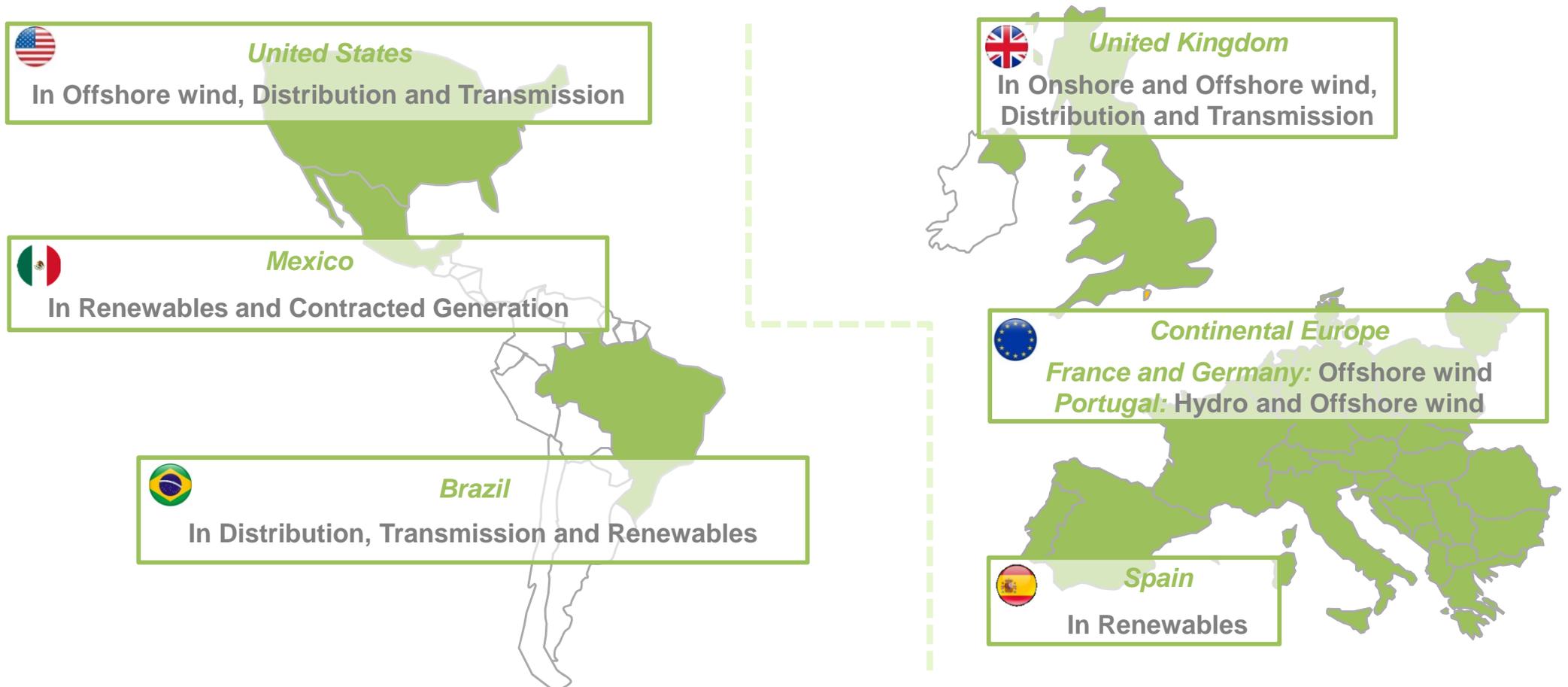
### WITH FOCUS ON:

- Action against climate change and protection of biodiversity



# Additional growth opportunities: post 2022

## Accelerating growth during the plan and beyond



With over EUR 9.0 Bn of capital in progress by the end of 2022

# Additional growth opportunities in Spain

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## In the context of the National Integrated Energy and Climate Plan 2021–30...

Plan aligned with EU energy and climate policies

74% renewable generation share by 2030:  
adding 64 GW of renewable capacity (*Solar: 37 GW, Wind: 27 GW*) and 6 GW of storage

Retirement of 4 GW of nuclear capacity by 2030 and all by 2035

Retirement of 6 GW of coal capacity by 2025 and all by 2030

5 million Electric Vehicles by 2030 (16% of the fleet) and  
only zero-emission vehicles sales from 2040

Electrification of the economy

...coherent with the full decarbonisation of the Spanish economy by 2050,  
with a 21% reduction of CO<sub>2</sub> emissions by 2030 (vs 1990)

# Additional growth opportunities in Spain: solar PV and onshore wind

## Iberdrola to continue leading the energy transition...

...maintaining our leadership in renewables...

...replacing coal and nuclear with renewable output...

...generating enough energy to supply our customers

### Iberdrola, best positioned with key strengths

- ✓ Expertise
- ✓ Sites
- ✓ Financial strength
- ✓ Grid connection
- ✓ Customer base



>700 MW in construction

+



> 2,500 MW in progress

+

> 7,000 MW of pipeline



...with over 30 projects in all regions to add +3 GW by 2022...

...and additional pipeline to reach at least +10 GW in operation by 2030

# Additional growth opportunities: offshore wind in Europe and the US

Increasing our current installed capacity in the UK and Germany to reach >2GW by 2022, with additional +1 GW secured post 2022...

	Pending Targets	Total Iberdrola Capacity by 2022	Iberdrola Capacity post 2022	Additional Pipeline
<b>Europe</b>	United Kingdom	16,000 MW	909 MW	
	Germany	5,100 MW	350 MW	486 MW
	France	2,000 MW		496 MW
<b>US</b>	Massachusetts	2,400 MW	800 MW	
	New York	9,000 MW	<i>Bids delivered</i>	
	Rhode Island	600 MW	<i>Bids delivered</i>	4,200 MW
	New Jersey	3,500 MW	<i>Bids to be delivered</i>	
	Connecticut	2,000 MW	-	
	North Carolina	-	-	
	Virginia	2,000 MW	-	2,500 MW
	Maryland	~1,500 MW	-	
	<b>~45 GW</b>	<b>&gt;2 GW</b>	<b>~1 GW</b>	<b>&gt;10 GW</b>



**Iberdrola, solid track record**

- ✓ Global team with regional branches
- ✓ Development sites
- ✓ Financial strength

...and a >10GW pipeline for further opportunities

# Conclusions

## Accelerating growth, transforming initial caps in updated floors...

	Initial Plan (February 2018)	Updated Plan (February 2019)
<b>Investments</b>	<b>EUR 32 Bn</b>	<b>EUR 34 Bn</b>
<b>Results</b>	2022 EBITDA EUR 11.5 - 12 Bn 2022 Net Profit EUR 3.5 - 3.7 Bn	2022 EBITDA EUR >12 Bn 2022 Net Profit EUR 3.7 - 3.9 Bn (c. +30% vs 2018)
<b>Dividend policy</b>	Growing in line with results (pay-out 65%-75%) reaching EUR 0.4/share in 2022	Growing in line with results (pay-out 65%-75%) reaching <b>Floor EUR 0.4/share in 2022</b>
<b>Financing</b>	2022 FFO/Net Debt 24%	2022 FFO/Net Debt >24%

...with additional organic growth opportunities driven by financial strength

# Outlook 2018 – 2022 Update

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London

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26 February

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**José Sáinz Armada**

Chief Financial & Resources Officer



# Financial Management

# Plan Hypothesis

## 2018 Financial performance

## Financial strategy 2019-2022

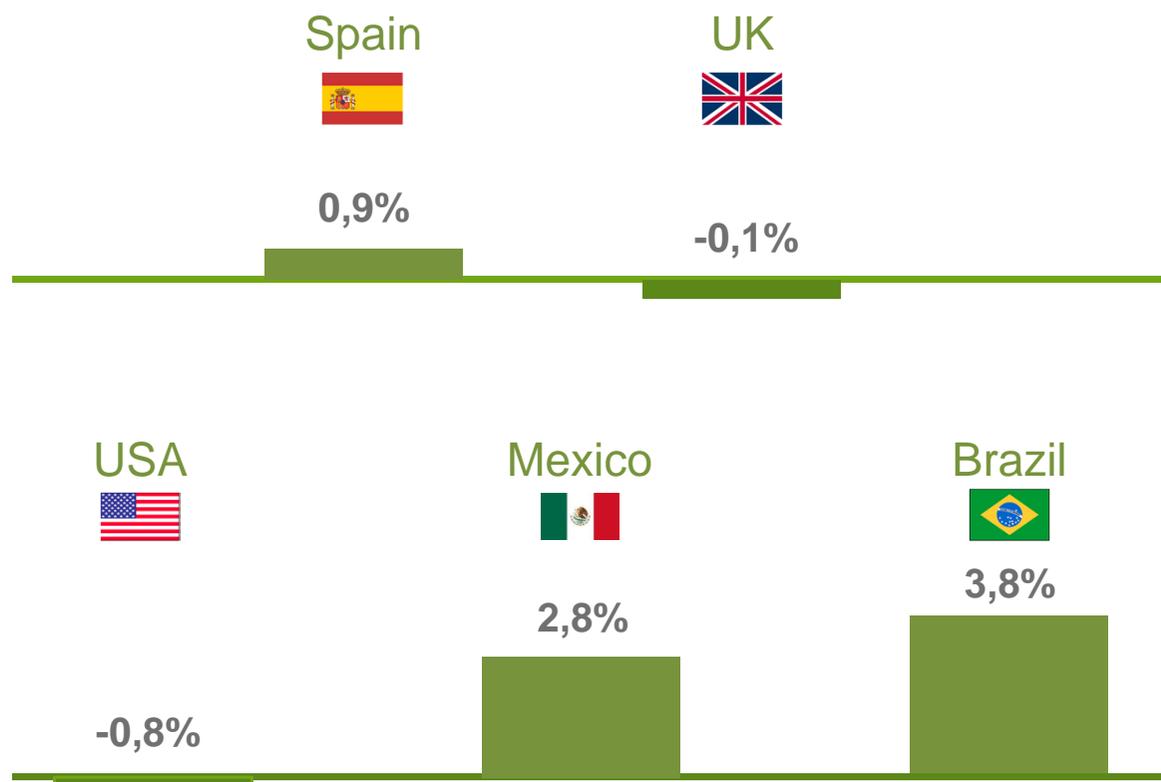
# Plan

# Hypothesis

# Outlook 2022 update: Demand

## Flat demand in Spain, UK and USA and more growth in Mexico and Brazil

Electricity demand  
growth  
CAGR 2017-22



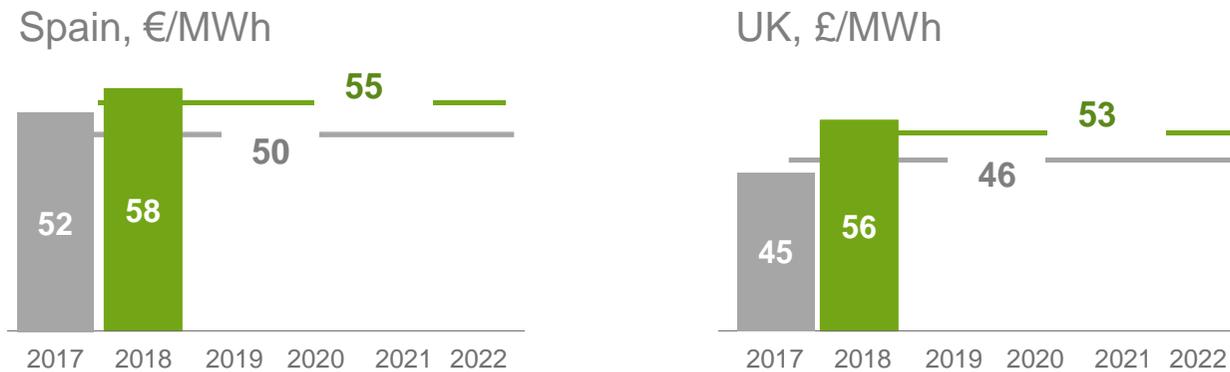
# Outlook 2022 update: Prices hypothesis

## Price increase derived from a higher CO<sub>2</sub> cost

### Commodity Prices



### Power Prices



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

# Macro hypothesis for 2019-2022

## Modest increase in interest rates in US and Brazil, and higher in the Eurozone and UK as monetary policies normalize

New forecast slightly lower than last years' in the long part of the curve and similar in the short part  
Forecasts based on market consensus

	Interest rates						New financing average spreads
	Average 2019-22		(Feb,20 <sup>th</sup> )		2022 End of year		
	3M	10Y <sup>1</sup>	3M	10Y <sup>1</sup>	3M	10Y <sup>1</sup>	
	0.63%	1.30%	-0.31%	0.34%	1.25%	1.73%	» <b>0.88%</b> Swap 7 years
	2.86%	3.00%	2.64%	2.64%	2.85%	3.00%	» <b>1.25%</b> Treas. 10 years
	1.78%	2.11%	0.87%	1.17%	2.30%	2.30%	» <b>1.46%</b> Treas. 10 years
	7.38%	-	6.50%	-	7.50%		» <b>115% CDI</b> 5 years

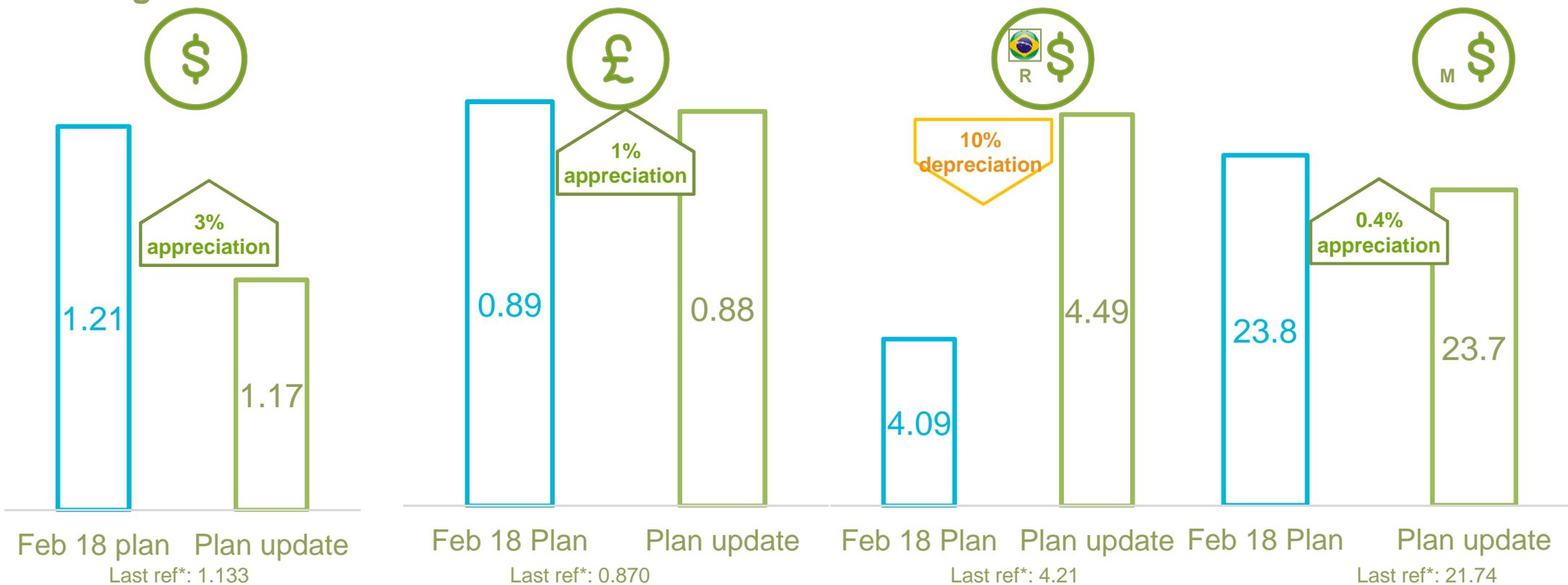
<sup>1/</sup> Swap 7 years for EUR, Treasury 10 years for USD and GBP

Interest rates estimates slightly below last year Plan, partially offset by slightly higher spreads

# Macro hypothesis for 2019-2022

Plan update assumes no change in average FX rates,  
 appreciation of \$ and £ compensates BRL depreciation  
 FX estimates up to 2022 assumes 2019 forward levels versus EUR

## Average FX rates vs. Euro



## 2019 Net Profit mostly hedged

Old plan refers to the Revision of the Strategic Plan in February 2018 while New Plan refers to Long Term forecast January 2019 (5 years average)  
 \* February 20<sup>th</sup> 2019

# Impact of new accounting standard for leases

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## Iberdrola criteria for IFRS16 in line with current accounting standard definition

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### New IFRS 16 standard from 2019

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- Main differences with respect to previous standards are:
  - Leases net present value considered as debt
  - Leases costs removed from External Services (EBITDA) to increase depreciation & financial costs

### Iberdrola Accounting criteria

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- Accounting standards definition for Leases is the same under US GAAP and IFRS
- In the US the “big-four” audit firms & companies apply the US GAAP criteria: land lease definition fulfilled by those agreements that grant the exclusive use of the land during the term of the contract
- Iberdrola also applies this criteria. Lease definition under IFRS is the same as under US GAAP
- Criteria pending to be ratified by IASB

# Impact of new accounting standard for leases

## Main impact of new accounting criteria for IFRS16

IFRS 16 impacts 2019 onwards

### Balance Sheet

Net Debt: +EUR 0.4 Bn

### P&L

EBITDA: +EUR 68 M

Net Profit: ~ 0

### Cash Flow

FFO: +EUR 50 M

RCF: +EUR 50 M

Net Debt / EBITDA

FFO / Net Debt

RCF / Net Debt

Impact

~ + 0.02

~ - 0.1 p.p.

~ - 0.1 p.p.

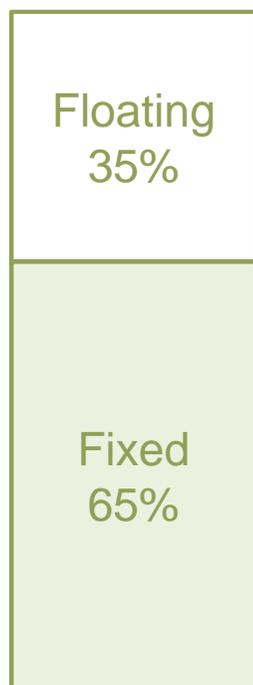
Increase in Net Debt ~EUR 0.4 Bn and reduction in FFO/Net Debt ratio by ~0.1 p.p.

# 2018 Financial performance

# 2018 Interest rate risk management

**Increase in fixed-rate structure in 2018 to 78% to take advantage of low interest rates and reduce volatility in financial expenses**

As December 2018



• IRS Fw start already signed:



1,250 M in 2019  
900 M in 2020

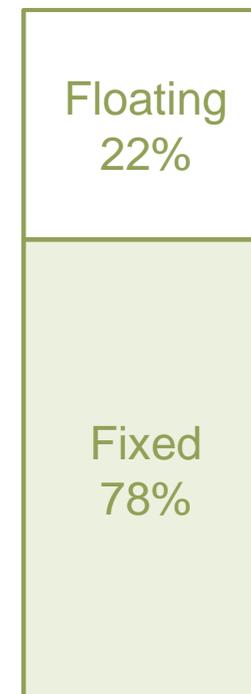


1,300 M in 2019  
550 M in 2020



400 M in 2019  
380 M in 2020

Including forwards swaps



**Fixed rate structure of 65% excluding forward swaps**

# 2018 Financing activity

EUR 6.8 Bn of new financing and EUR 7.4 Bn credit lines renegotiated, diversifying markets at very competitive levels, continuing with green/sustainable strategy (65%)

Total financing EUR M	Green / Sustainable financing Amounts (M)	Details
Hybrid 700	EUR 700	<ul style="list-style-type: none"> <li>Second issuance, after 2017's, of a green hybrid issue in the Spanish Market</li> </ul>
Bond market 3,270	EUR 750 \$ 50	<ul style="list-style-type: none"> <li>Public Euro market: Public Bond issued in Green Format</li> <li>Private Eur market: USD 50 M issue</li> </ul>
Bank market Loans 960	\$ 400	<ul style="list-style-type: none"> <li>First green loan in Mexico</li> <li>First corporate deal in Latam under sustainable criteria</li> </ul>
Bank market Credit lines 7,450	EUR 5,300 \$ 2,500	<ul style="list-style-type: none"> <li>Extended maturity to Feb 2023 ( EUR 900 M new financing)</li> <li>Sustainable format</li> </ul>
Multilateral 1,575	EIB, BNB and BNDES	<ul style="list-style-type: none"> <li>European and Brazilian Markets</li> </ul>



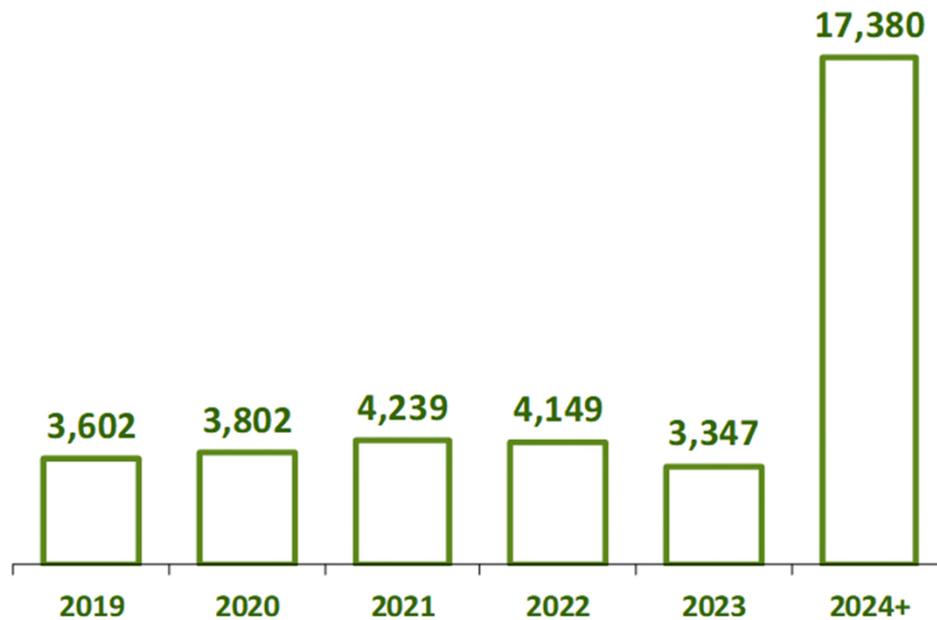
- 65% of funds raised in green / sustainable markets
- All syndicated credit activity signed in sustainable format
- EUR 9.8 Bn of green financing outstanding

World leading private company in green bonds

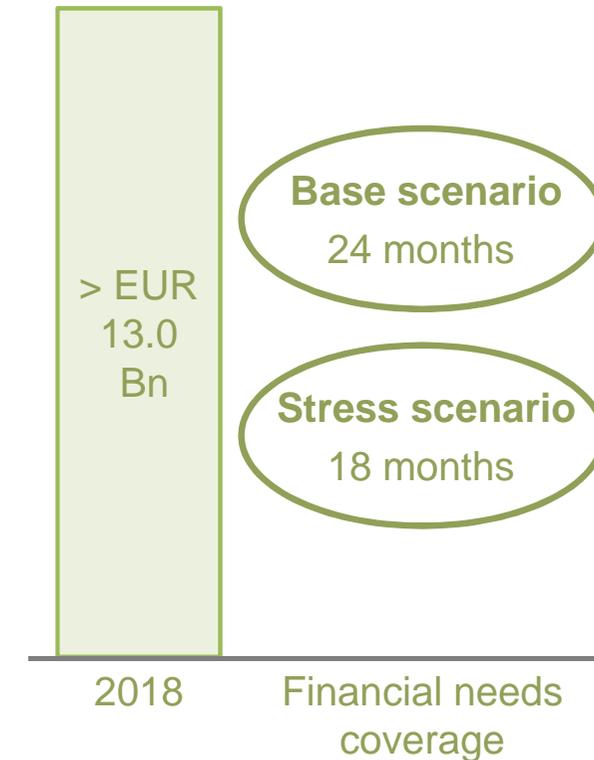
# 2018 Financial activity

## A comfortable debt maturity profile and sufficient liquidity to fulfill Rating Agencies requirements

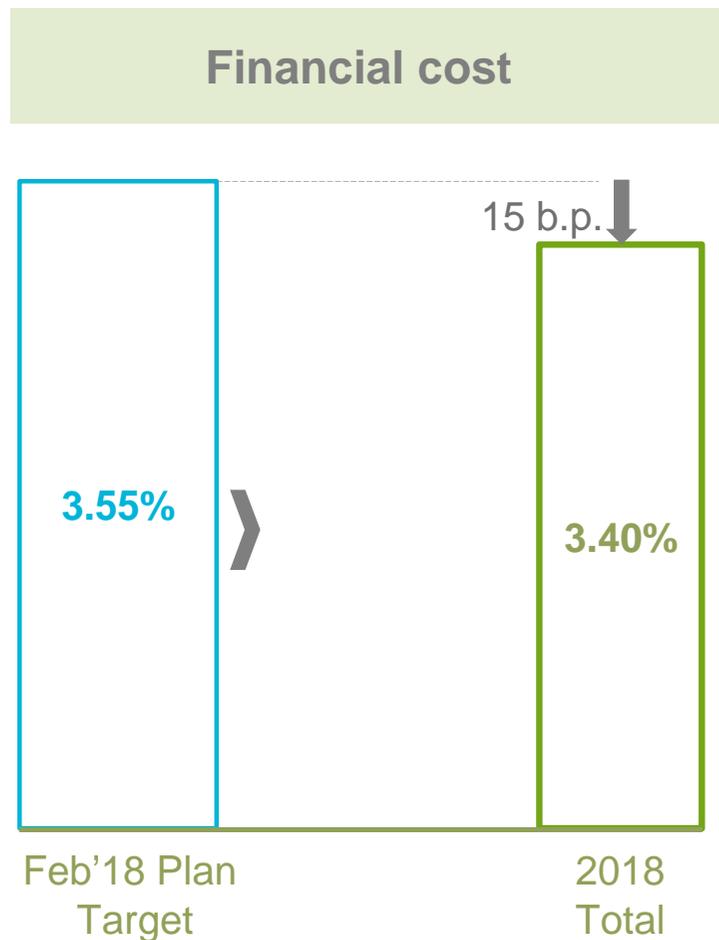
Debt Maturity Profile (EUR M)



Liquidity



## 2018 net debt financial cost 15 b.p. better than Plan



**Competitive financing conditions achieved during the year**



**Excluding IFRS9 change of criteria, 2018 cost of debt would have been 10 b.p. lower**



## EUR 1.2 Bn of divestments already achieved in 2018

2018 Divestments: EUR 1.2 Bn

Other non core Spain EUR 0.3 Bn
US Gas Business EUR 0.2 Bn
UK Conventional Generation EUR 0.7 Bn



Reducing 2018 Net Debt



Positive impact on ratios due to  
their low / negative earnings  
contribution



## During 2018, we have improved significantly the financial profile of NEO

---

Net Debt / EBITDA ratio improves from 3.9x prior to 2017 equity injection to 3.49x at 2018 year-end



Increased liquidity from 7 months to 20 months



*Average life of Debt improved from 3.0 to 3.9 years*



*Prefunded Brl 4.8 Bn 2019 needs*



*Rating from AA- to AAA (Brazil Ratings)*



As a consequence, NEO reduced new financing credit spreads on CDI from 125% to 115% on average (around 65 bp at current CDI)

# Financial strategy for the 2019-2022 period

## Main financial guidelines for 2019-2022 period

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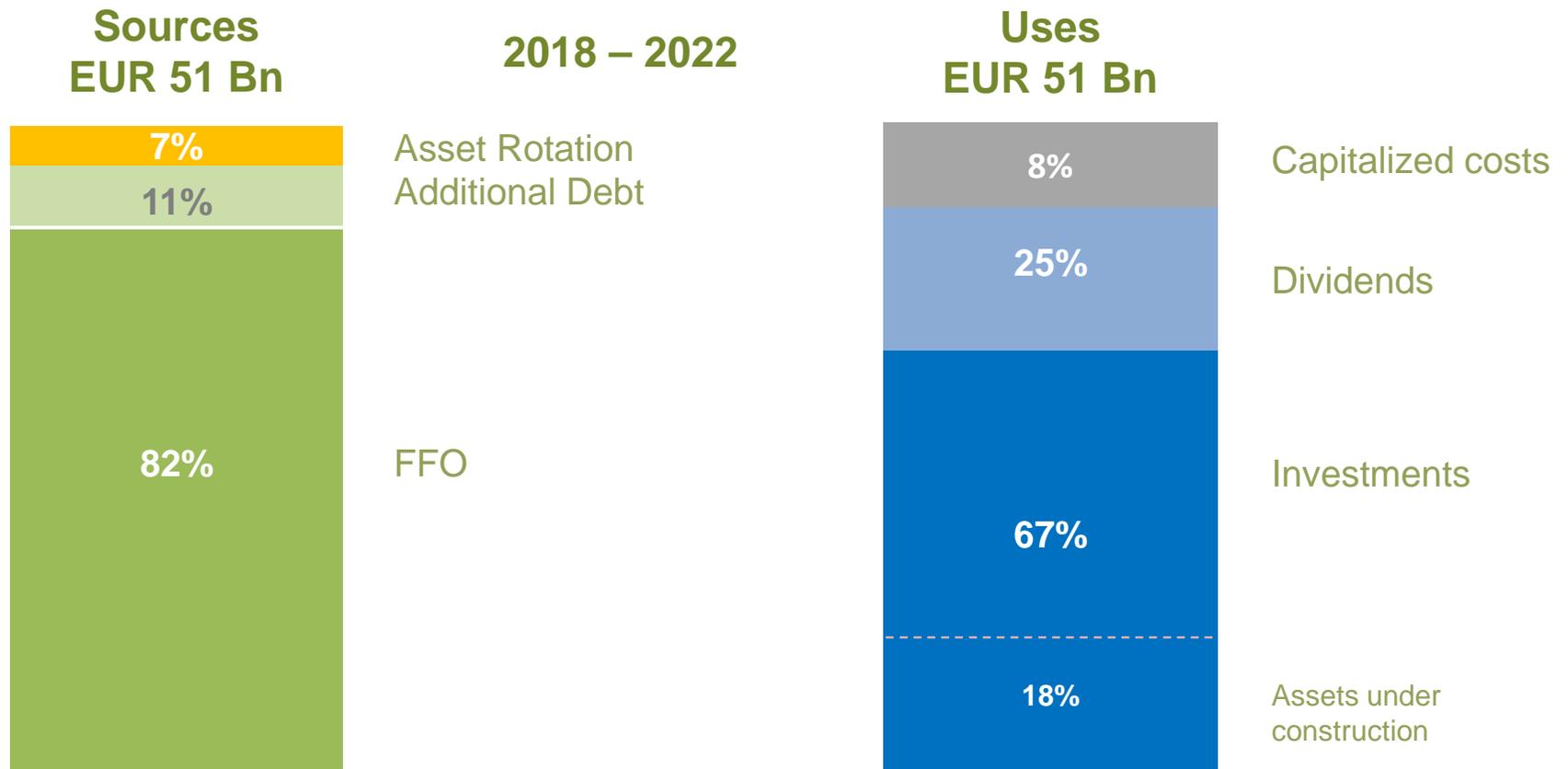
**Financing  
growth Capex ...**

**...maintaining  
a strong  
financial  
position ...**

**... permitting  
a growing  
and  
sustainable  
dividend  
policy**

# Sources and uses of funds

EUR 51 Bn of funds, 82% coming from FFO, allows an increasing and sustainable dividend policy up to EUR 12.5 Bn remuneration on top of EUR 34 Bn of investments

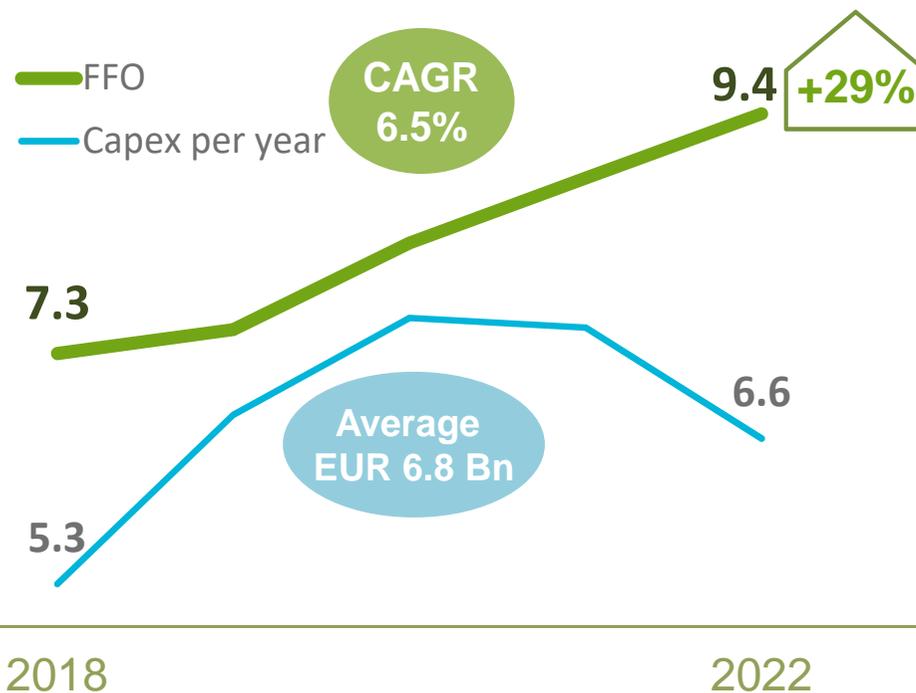


Out of Eur 34 Bn, >EUR 9 Bn assets under construction at the end of the plan

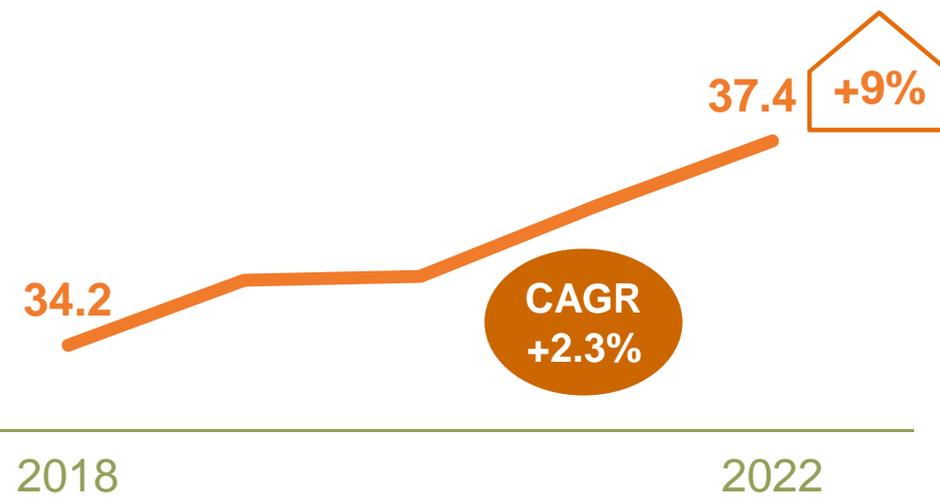
# Outlook: FFO, Capex and Net Debt

Average investments will increase 5%, to an average of EUR 6.8 Bn vs. 2018 Plan  
FFO grows 29% vs. 2018 to EUR 9.4 Bn while Net Debt increases 9% to over 37 Bn

### Investments vs. FFO (EUR Bn)



### Net Debt (EUR Bn)



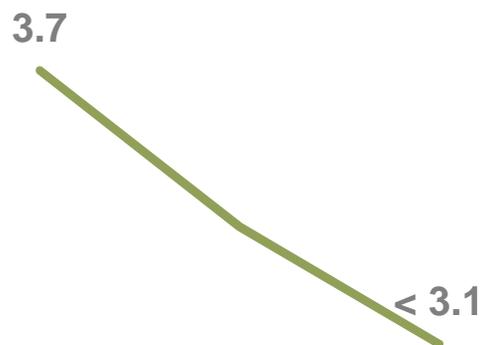
# Solvency ratios

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Financial ratios will improve throughout the Plan ...

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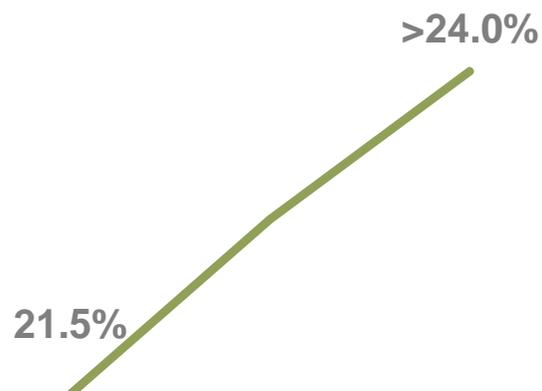
Net Debt / EBITDA



2018

2022

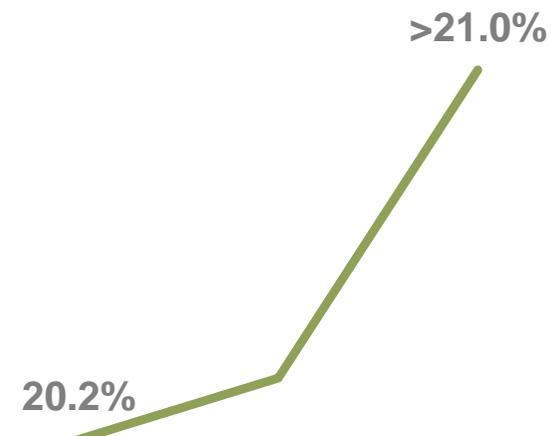
FFO / Net Debt



2018

2022

RCF / Net Debt



2018

2022

... allowing for further organic investment growth in 2021 and 2022 as they exceed our 22% FFO / Net Debt target

## High fixed rate structure anticipating possible rate hikes in the future

### Debt structure



\* Forward swaps: EUR 4.6 Bn

**Demanding investment plan requires financial costs to be under control fixing a greater percentage of our debt portfolio**

# Interest rate risk management

## Debt structure by currency

- Duration of regulatory cycles: on average ~5.5 years
- Average debt maturity of 6 years guarantees re-pricing of debt to regulatory changes to reflect new interest rate environment

	<u>Debt weighting*</u>	<u>% fixed current**</u>	<b>&gt;&gt;</b>	<u>% fixed estimated range</u>
€	46%	69%		65-75%
\$	24%	85%		80-90%
£	16%	66%		55-70%
R \$	12%	4%		0-10%
M \$	2%	-0%		46-56%

\* Over net debt 2018/2022 average

\*\* Not including Forward IRS

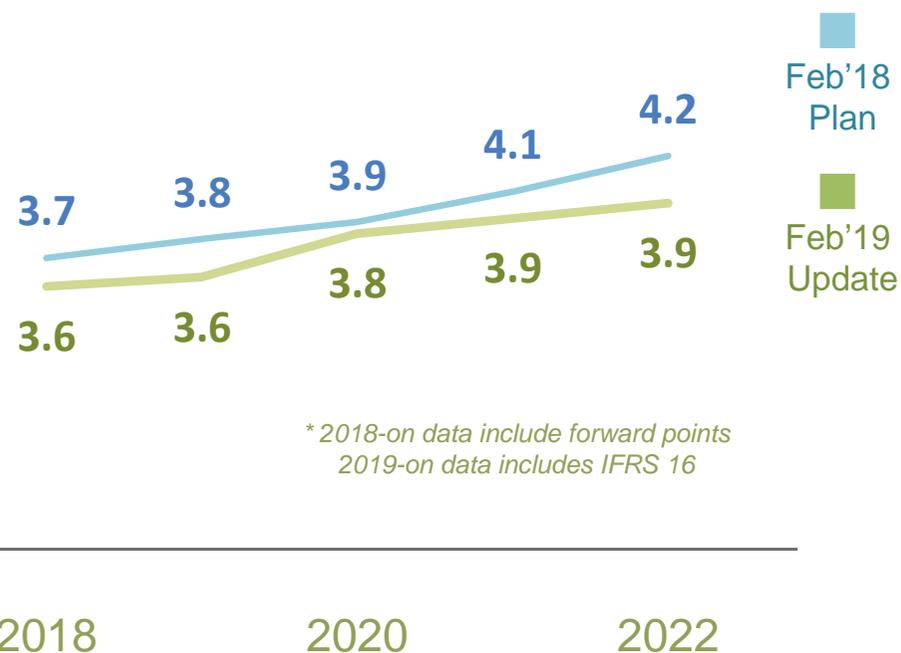
# Cost of Debt

Average cost of net debt will remain below 4% despite larger investments in BRL and US\$

## Gross debt financial cost by currencies

	2018	2022
€	1.7%	1.5%
\$	4.0%	4.3%
£	3.3%	3.5%
R\$	7.8%	8.4%
M\$	-	9.0%

## Net financial cost \*

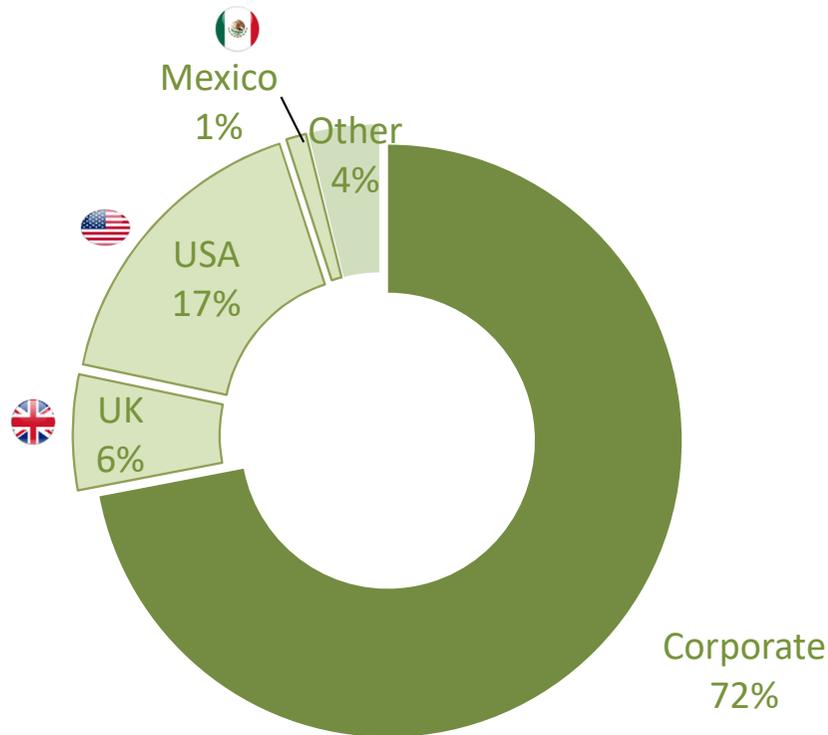


On average 0.20 p.p below Plan'18

# Structural subordination

## Financial model designed to follow current structural subordination guidance (ex Neo)

### Current situation



### Subordination during the plan

	Average	Target
	21%	To be kept ~30% threshold
	6%	
	1%	
Other	2%	

Our model gives us flexibility to optimize non-holding company level debt based on country situation and regulatory requirements

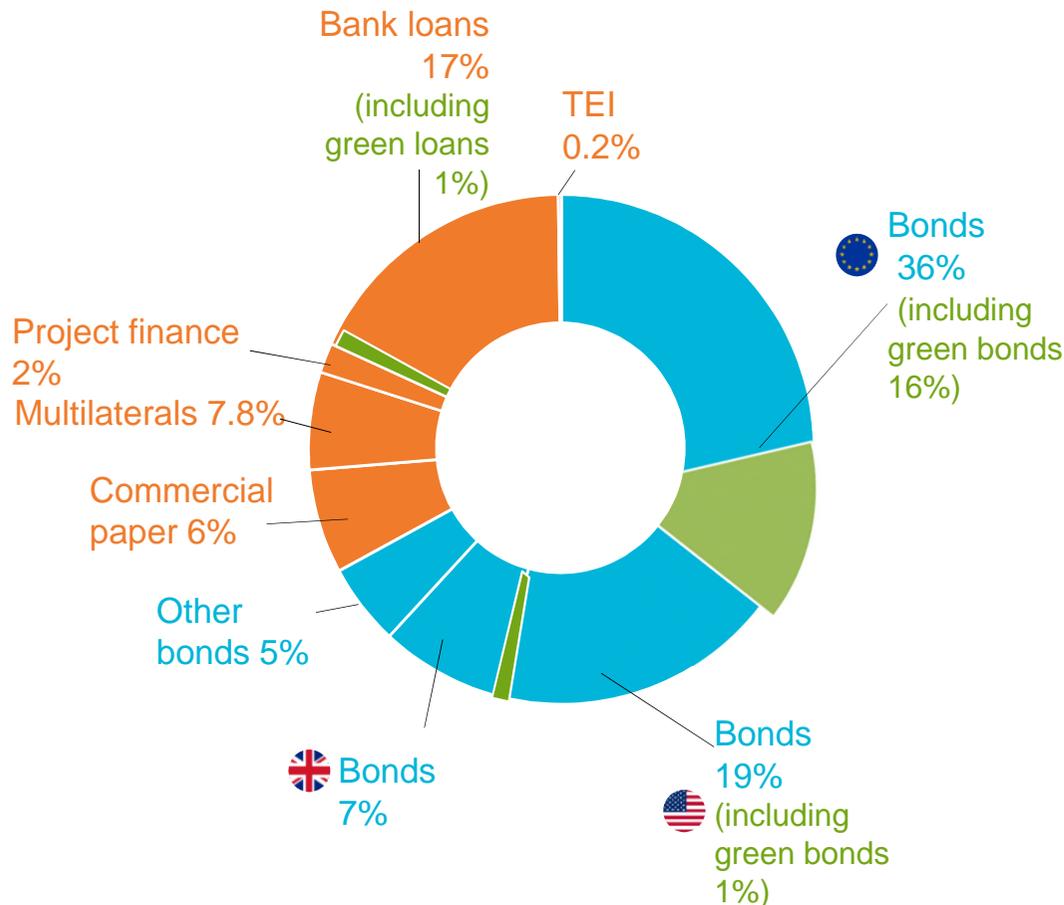
# Debt structure per markets

Strong diversification in sources of finance, with low bank risk

Access to many markets

Maintaining leadership in sustainable / green markets

## Current debt structure by market



## During the plan

### Green financing

- Consolidating green financing strategy:
  - The leading private company
  - New green financing to be done in Brazil

### Bond market

- Eurobond will be our main source of financing
- Main source of financing in all countries

### Multilateral lenders & TEI

- Iberdrola considered strategic partner (EIB, BNB, BNDES...)
- Taking advantage of Tax Credits in the US

# Liquidity

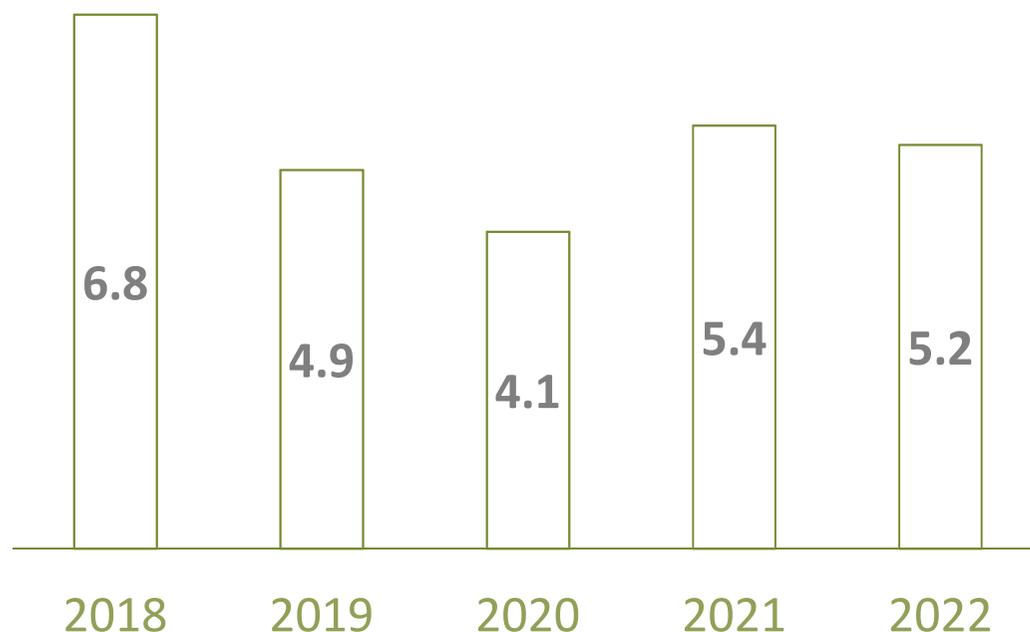
Active liquidity management, keeping ~ EUR 12-14 Bn,  
with ability to increase if required

Target	Liquidity management criteria
 <p>Cover 18 months in stress scenario</p>	<p>Rating agencies' requirements</p> <ul style="list-style-type: none"><li>▪ S&amp;P: 12 Months Sources / Uses &gt; 1.2</li><li>▪ Moodys: 18 Months in risk scenario</li><li>▪ Fitch: (Liquidity + FCF post dividend and Capex ) / 12 months maturities &gt; 1,25x</li></ul> 
	<p>Cost</p> <ul style="list-style-type: none"><li>▪ <b>Minimize:</b> Reduce cash and increase credit lines</li></ul> 
	<p>Allocation</p> <ul style="list-style-type: none"><li>▪ Maintain <b>sufficient liquidity in each country</b></li></ul> 

Neoennergia has its own liquidity policy  
that requires covering 12 months of financing needs

## Moderate financial needs over the period ...

### Financial needs (EUR Bn)



- 2018 financing higher than required due to pre funding of 2019 NEO financing needs
- Moderate financial needs thanks to a **comfortable debt** maturity profile and **strong generation of funds**
- In 2019/2022 period, the main **source of financing** will be  **Holding** but **USA and Brazil** will **access** financing markets too

## Financed mainly from the Holding

# Divestments

... considering EUR 3.5 Bn of divestments over 2018-2022

Asset rotation 2018-2022 (EUR Bn)



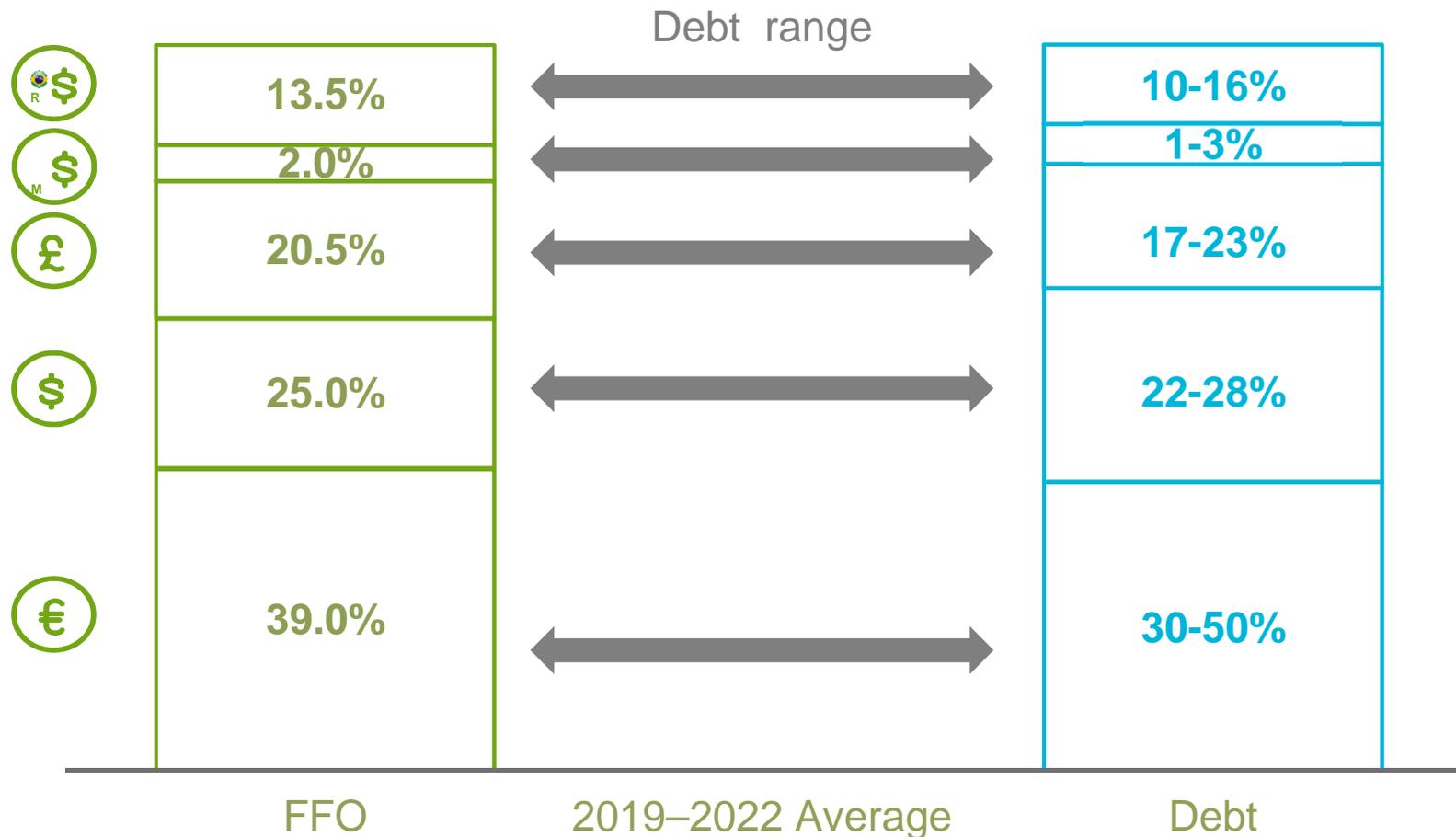
- Minority stakes & non core assets
- Low strategic fit assets
- Low EBITDA / FFO contribution assets

Flexible approach depending on investment opportunities

# 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

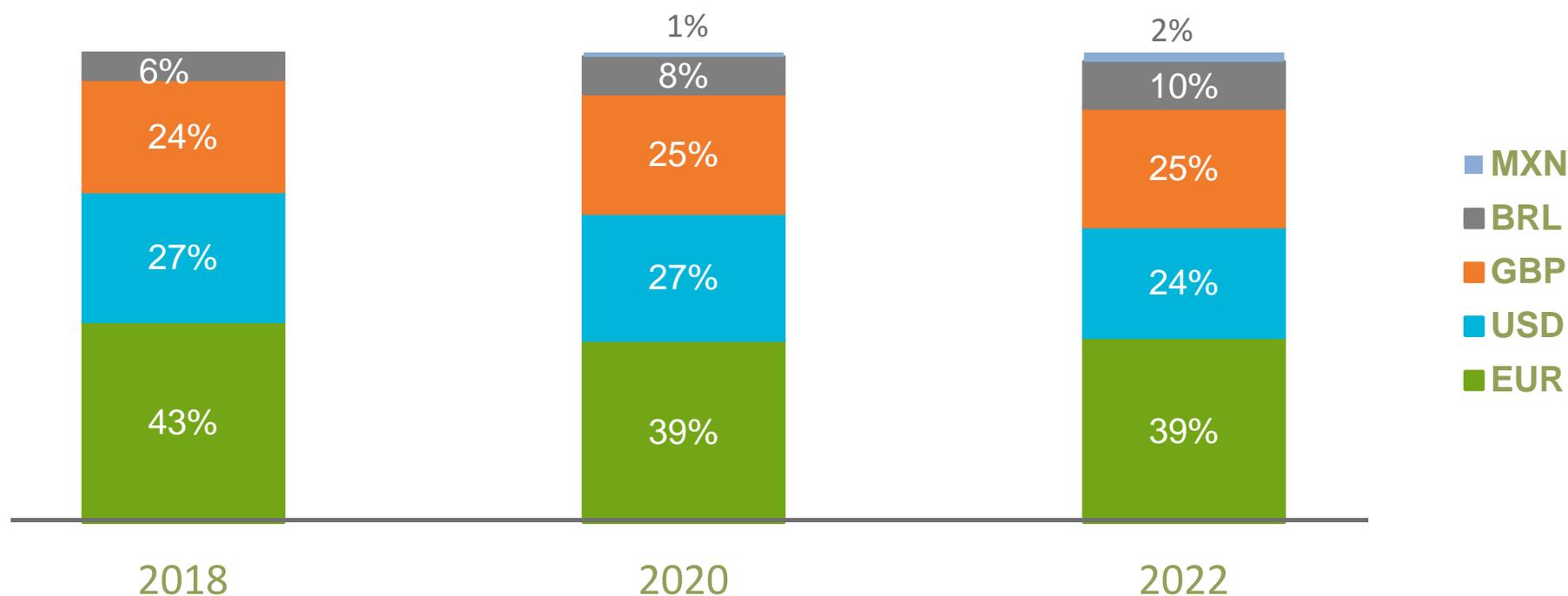


## FX risk management: yearly

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

#### Hedging Net Income FX exposure in currencies against the Euro

##### Net Income by currency

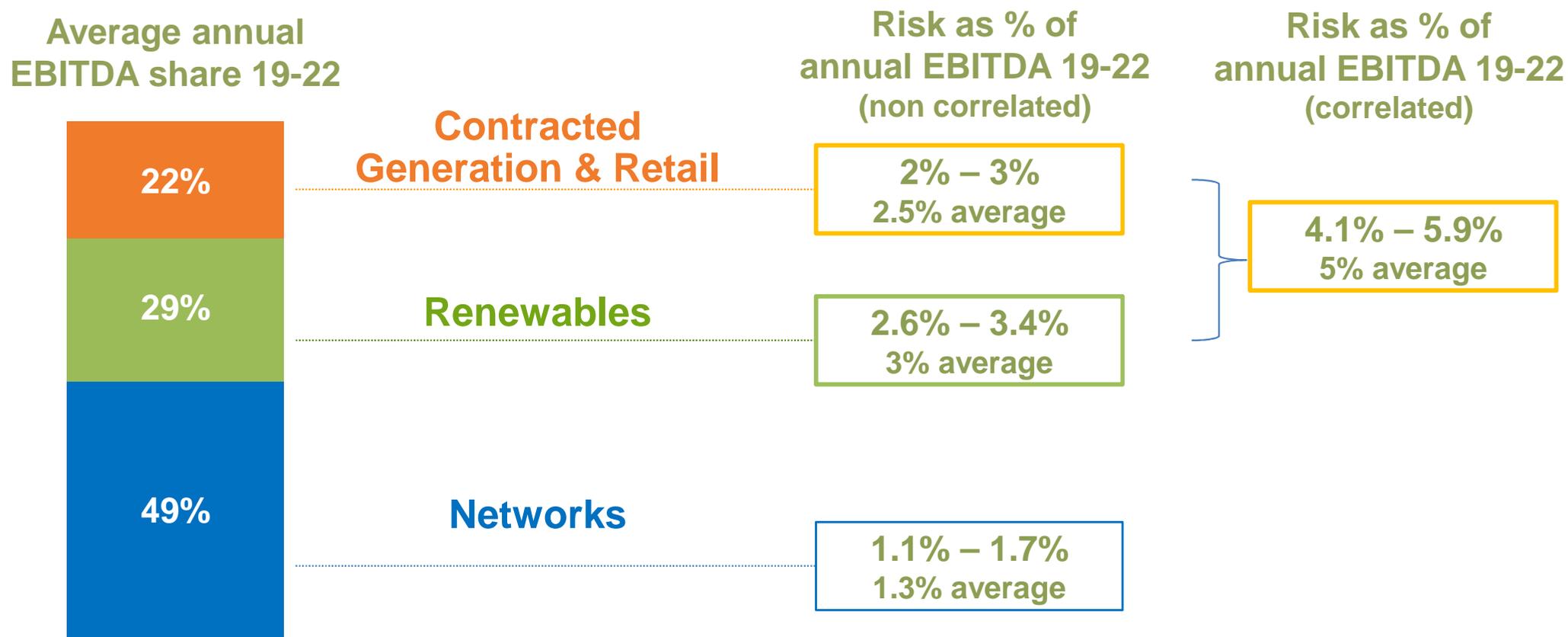


Almost 100% of the 2019 risk position already hedged: USD, GBP and BRL

## Business risk- Average 2019-2022

80% of average annual EBITDA comes from Renewables & Networks Businesses with ~4.3% EBITDA at risk in an adverse scenario

Total correlated Business risks is ~6%



Non measurable political & macro risk could also impact the Plan

# Brexit

Hard Brexit would have no direct immediate material impact on 19-22 Plan update, except for currency translation, hedged for 2019



Increases in FX will impact in future translation of results, although 2019 already hedged



Interest rate and CPI increases naturally hedged through different regulatory mechanisms: RAV in Networks, CFDs in Offshore and costs in SVT cap

Key equipment and materials purchased ahead to mitigate risk to avoid potential import custom delays



No material impact of tariffs expected on East Anglia 1 but additional administration burden



*Other areas analyzed with no material impacts (HR, GDPR, Insurance, commodity trading procurement...)*



Indirect impact would be related to macroeconomics

# Cybersecurity

Ensuring the protection of assets, systems and information across the entire Group  
Global Comprehensive Cybersecurity Program based on risk management approach with  
standard rules deployed in all countries and businesses

Reinforced security measures for critical infrastructures and personal data protection



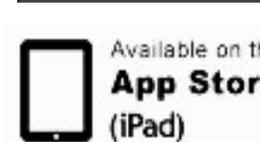
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