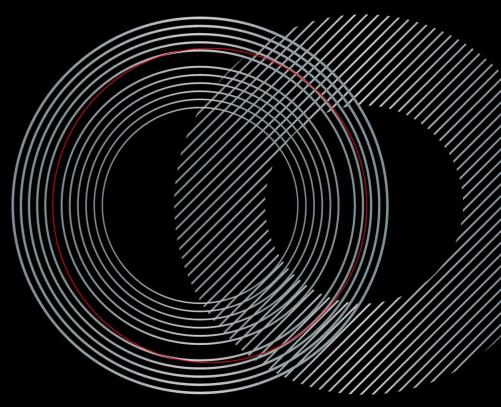
## **INVESTOR DAY 2014** 14<sup>™</sup> MAY

#### NEVERENDING ENERGY

edp



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### Agenda

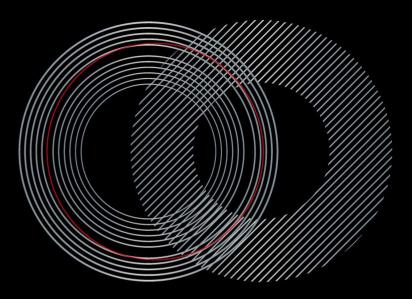




## **INVESTOR DAY 2014**

António Mexia, CEO

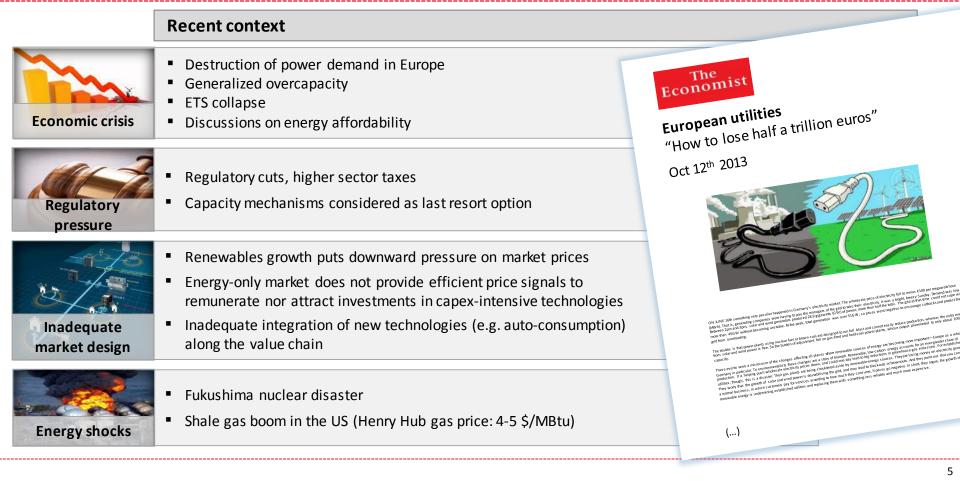
Introduction





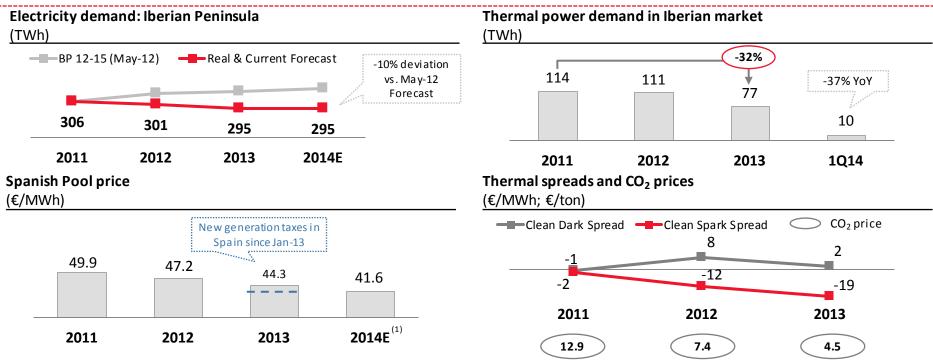
# Over the last years, the European utilities have been significantly impacted by negative and unexpected events





### Iberian energy market conditions have been challenging





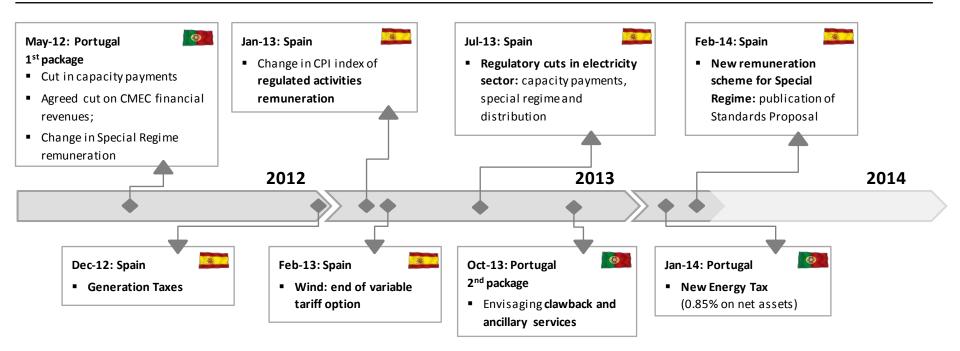
Electricity demand was negatively impacted by Iberian macro situation;

GDP was down in the 2011-13 period: Portugal -1.9% on average and Spain -0.9%

Depressed pool prices on lower demand, increase in special regime production and lower CO<sub>2</sub> prices



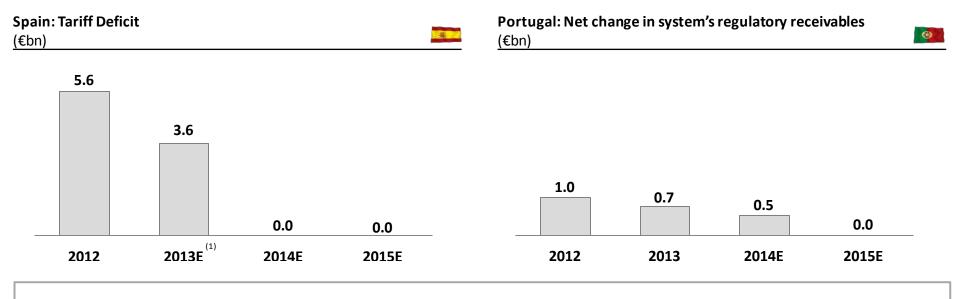
#### Regulatory and fiscal measures taken in the period



EDP's earnings before taxes affected by > €300m/year from regulatory/fiscal measures in Iberia

# Reinforcement of financial sustainability of electricity systems in Spain and Portugal





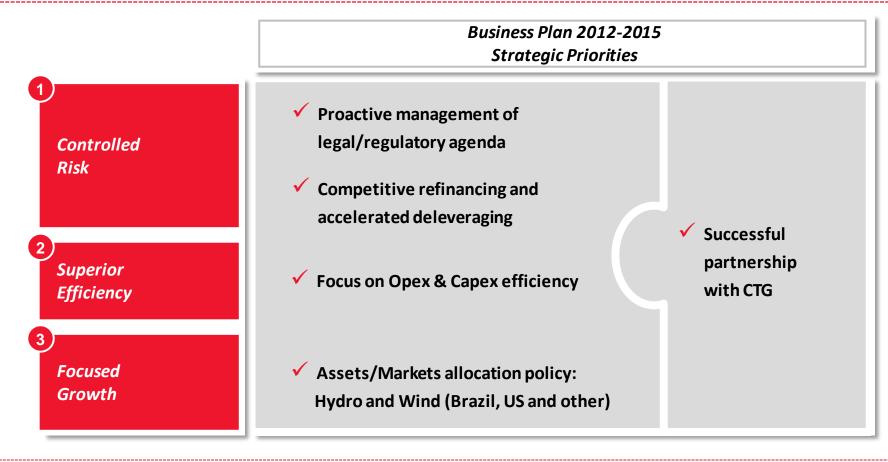
Hard-landing imposed solution in Spain may face challenges; Portugal achieved soft-landing negotiated solution

Sound credit quality and improved market conditions allowed for positive developments on the securitisation front:

- Portugal: EDP undertook several securitisation deals, totalling €2.0bn in 2012-2014
- Spain: In 2012-14, the FADE securitised ~€14.2bn of tariff deficits, from which €0.8bn reverted to EDP

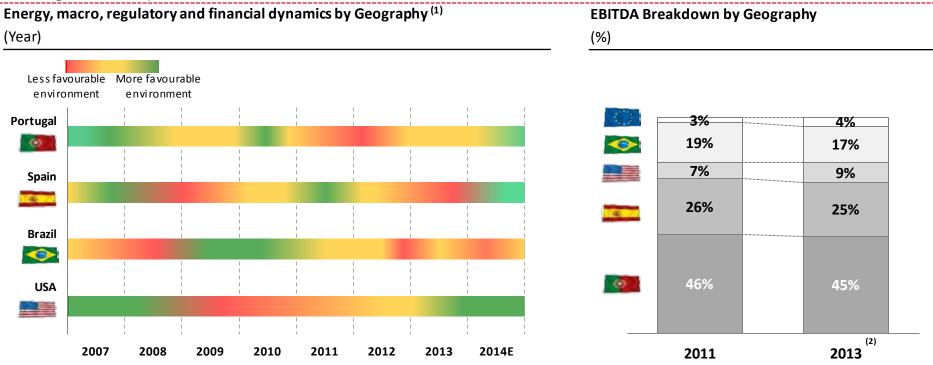
## Strategic architecture defined in 2012 has proven adequate to the evolution of our business environment





## Controlled risk: diversified portfolio in terms of markets and regulatory environment



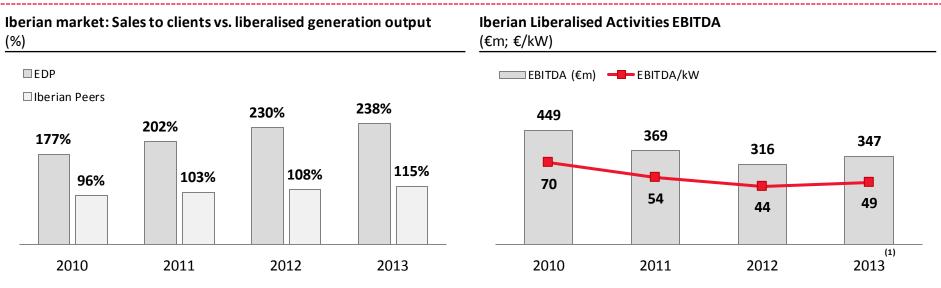


Geographic diversification allows low risk business profile, balanced profitability

and lower dependence on a single economic and regulatory environment

## Controlled risk: successful energy management policy



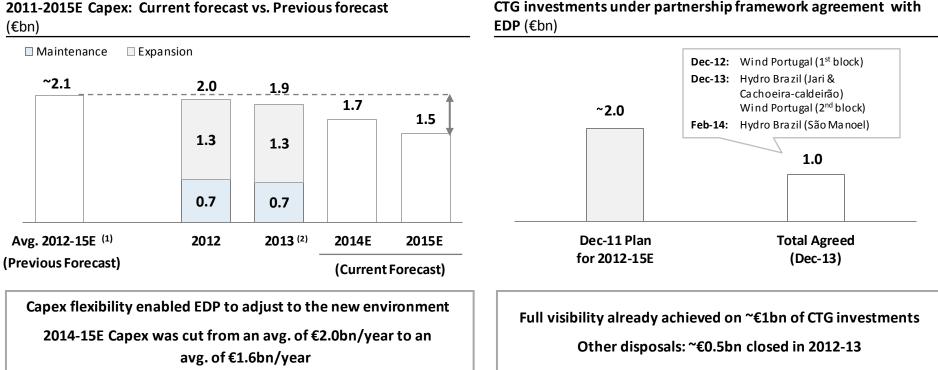


Long position on clients with a flexible generation portfolio and fuel contracting strategy limit the downside risk

Hedging strategy and energy management policy with a positive contribution to EDP's financial performance

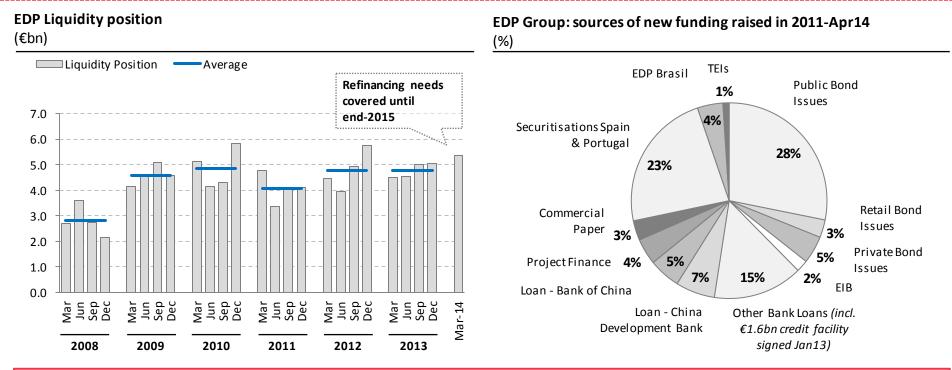
#### Controlled risk: downward revision of Capex and execution of partnership with CTG





#### Continued management action to assure maintenance of deleverage path

# 1 Controlled risk: maintenance of comfortable liquidity position in tough credit markets environment



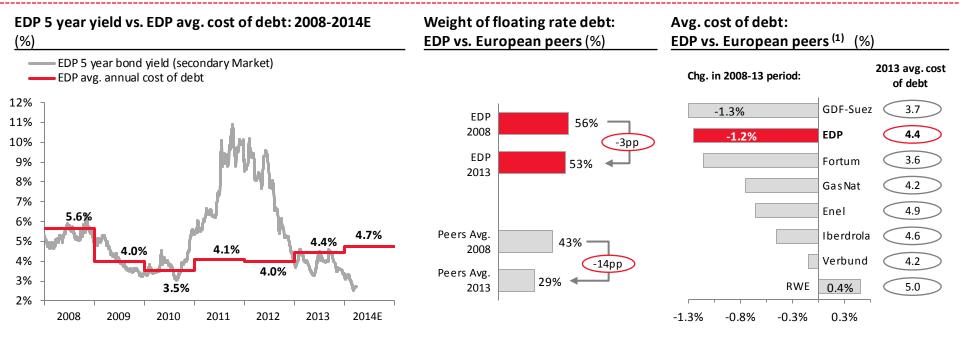
Post-2008, clear change in funding policy to 24 months ahead instead of previous 12 months

Maintenance of diversified sources of funding, targeting both low cost and low risk

eda

## Controlled risk: beneficial management of cost of funding





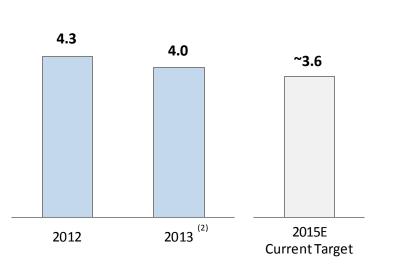
Efficient management of cost of funding: avg. cost of debt -120bp from 5.6% in 2008 to 4.4% in 2013 Lower than initially forecasted average cost of debt: Current ~4.7% for 2014E vs. previous ~5.0%

# 1 Controlled risk: continued deleverage as committed, but at a slower pace given setbacks mainly in Iberian regulation



Adjusted<sup>(1)</sup> Net Debt/EBITDA:

(x)



2015E Adj. Net Debt/EBITDA target reflects a changed environment

vis-à-vis May-12 expectations

- Unfavorable regulatory environment
   Negative impact on EBITDA (> €300m per year)
   and Net Debt
- Unfavorable market conditions

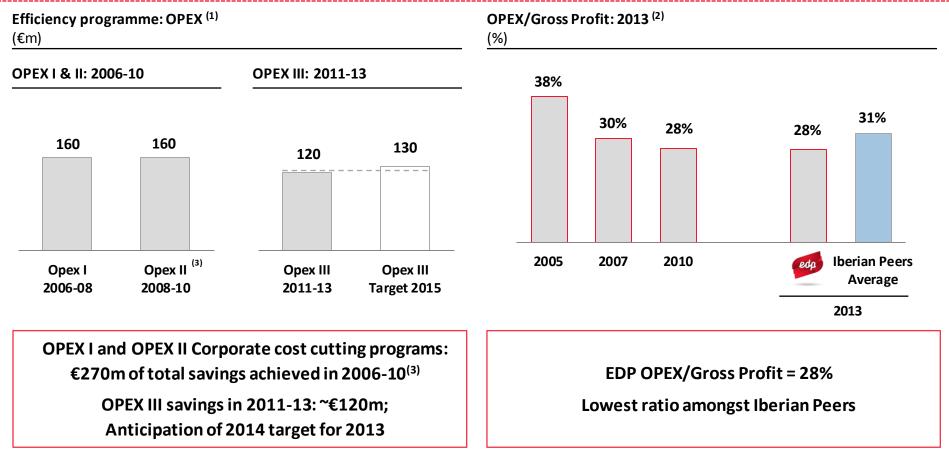
Depressed demand; lower thermal production and low pool prices

Weaker than initially forecasted BRL and USD
 The Brazilian Real suffered a 26% devaluation between
 Dec-11 and Dec-13; The US Dollar devaluated 6% within the same time period

Adj. Net Debt/EBITDA of 3.6x by 2015E, financial deleverage process to continue in 2016E-2017E

# 2 Superior efficiency: maintaining a leading position in cost management and lean operations



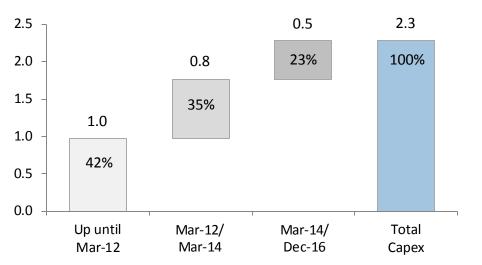


(1) OPEX I savings measured regarding 2005 costs base; OPEX II savings measured regarding 2007 costs base and OPEX III savings measured regarding 2010 costs base; (2) Source: Company Reports: (3) €50m of overlap savings with OPEX I referent to 2008

#### Focused growth: new hydro in Portugal 5 ongoing projects to start operations in 2014-16



New Hydro Capacity Investment Plan<sup>(1)</sup> (€bn)



 ✓ 3 hydro repowerings (0.7GW) commissioned between Dec-11 and Dec-12:

Under tough market conditions and strong hydro resources, these plants had a significant positive earnings contribution in 2012-1Q14 (EBITDA 1Q14: ~€40m)

- ✓ 5 hydro plants/repowerings under construction
   (+€0.5bn of remaining capex) to be commissioned:
  - Dec-14: Ribeiradio and Baixo Sabor (0.3GW);
  - 2H15: Venda Nova III and Salamonde II (1.0GW);
  - 2H16: Foz Tua (0.3GW)

8 new hydro plants in Portugal (2.2GW): 77% completed, on cost and on time delivery

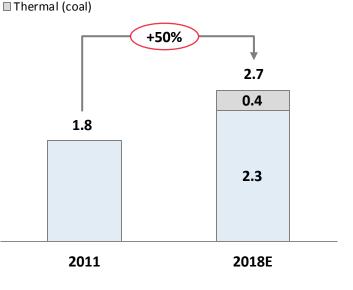
#### 3 Focused growth: LT Contracted generation in Brazil 3 ongoing hydro projects to start operations in 2015-2018





(GW)

Hydro



#### Pecém: 360MW coal plant fully commissioned in 2Q13

- Despite some initial setbacks, and after rigorous maintenance works, the plant is now operational (1Q14 avg. availability factor: 71% and improving);
- Proactive management actions allowed to contain downside impacts

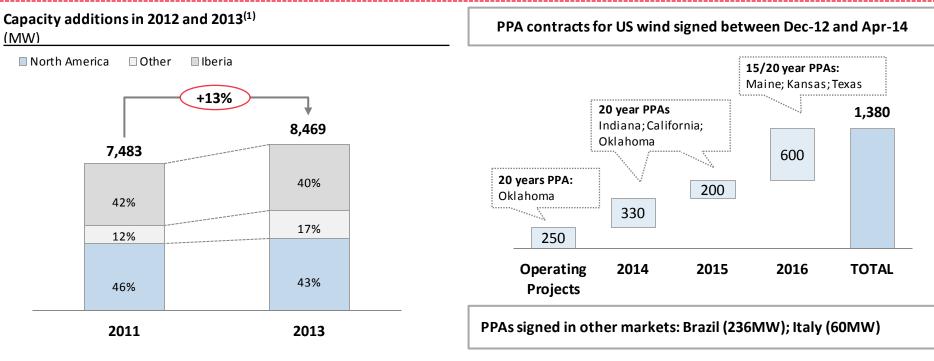
Jari: 373MW in final construction stage; to start operations in Jan-15
92.4% concluded; execution ahead of schedule and below expected cost;
50% sold to CTG in Dec-13 (with capital gain)
2 hydro plants in early construction/development stage PPAs financial conditions in respect of EDP's risk/return criteria
Cachoeira-caldeirão (219MW under construction) to start in 2017; 50% sold

- **Cachoeira-caldeirão** (219MW under construction) to start in 2017; 50% sold to CTG; and
- Sao Manoel (700MW) under development to start operations in 2018; 33.3% sold to CTG (remaining 33.3% owned by Furnas)

EDP Group was awarded the most capacity at A-5 auctions for new hydro projects in 2012-13

Partnership with CTG on new hydro projects allows risk diversification and enhances economies of scale

#### Focused growth: wind capacity up 13% in 2 years 2014-16 growth secured by PPAs already signed in US



+1.0GW of wind capacity: balanced growth allowed to reinforce the diversification of EDPR's wind portfolio EDP's good market positioning in US allowed to capture a window of opportunities for growth at attractive returns

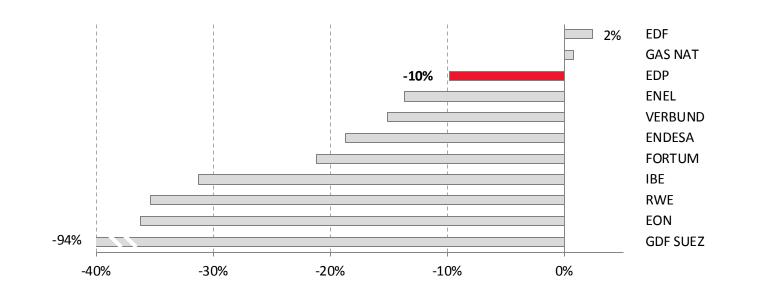
ean

### EDP's distinctive profile supports an above average performance



European Integrated Utilities – 2013 Reported EPS vs. Bloomberg Consensus as of Dec-11<sup>(1)</sup>

(%)

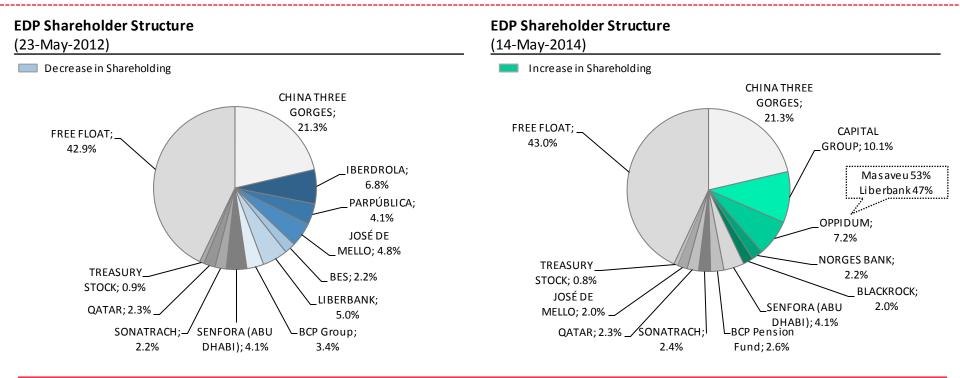


Despite tough macro, regulatory and market environments,

EDP's low risk profile amongst integrated European Utilities supported an above average performance

### Sound shareholder structure





Overhang risk well absorbed by long term Institutional Investors

## EDP TSR: +101% since May-12 Investor Day reflecting strong improvement of perception on EDP's business risks



#### Total shareholder return<sup>(1)</sup>: EDP vs. DJ Utilities Index EDP share price vs. 5 year bond yield (€; %) (Rebased 100) DI Euro Stoxx Utilities FDP EDP share price EDP 5y bond yield EDP Investor Dav 150 23-Mav-12 130 11.0 €3.52 3.50 €3.11 110 9.0 EDP Investor Day 90 3.00 22-Mav-12 70 7.0 50 2.50 ul-10 la n-11 ul-11 lan-12 -10 ul-12 ul-13 Jan-14 5.0 2.00 3.0 Start Date 01-Jan-10 22-May-12 01-Jan-10 **End Date** 22-May-12 06-May-14 06-May-14 1.50 1.0 EDP TSR (%) 49% -26% 101% a n-10 lul-10 lan-11 Jul-11 an-12 Jul-12 lul-13 la n-14 a n-13 DJ Euro Stoxx Utilities TSR (%) -35% 43% -7%

Strong improvement of risk perception impacted positively on EDP's shareholder return/bond yields

### May-14 vs. May-12: improving business prospects



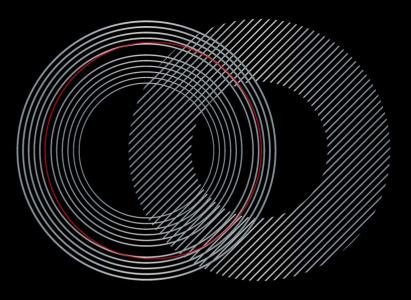
	Change in macro, regulatory and market environments	
	May 2012	May 2014
Energy Markets	<ul> <li>Demand: strong decline</li> <li>CO<sub>2</sub> prices: strong decline</li> <li>Capacity in Iberia: still increasing</li> </ul>	<ul> <li>Demand: signs of recovery</li> <li>CO<sub>2</sub>: back-loading ahead</li> <li>Capacity with slight decline</li> </ul>
Regulation Iberia	<ul> <li>Risk of potential cuts ahead;</li> <li>Tariff deficits perceived as unsustainable</li> </ul>	<ul> <li>Cuts already implemented on the utilities sector</li> <li>Financially sustainable electricity systems</li> </ul>
Credit Markets	<ul> <li>Bond markets closed (for Portugal and EDP);</li> <li>Bond yields &gt; 10%;</li> <li>Portugal and EDP had been recently downgraded to high yield</li> </ul>	<ul> <li>Full access to credit markets (Portugal &amp; EDP);</li> <li>Bond yields &lt; 4%;</li> <li>Recent Improvements of credit rating outlooks</li> </ul>

#### Lower risk environment

## **INVESTOR DAY 2014**

### Miguel Stilwell de Andrade, Board Member

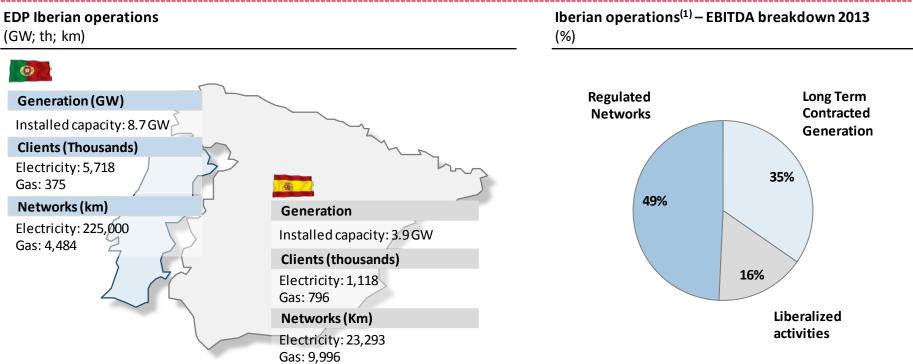
Iberian Business



NEVERENDING ENERGY **Edp** 

# EDP Iberian operations: ~50% Regulated Networks, ~50% generation and supply portfolio





#### EDP benefits from a high quality generation portfolio and strong electricity and gas clients' base

# Iberian operations: emerging from a period of strong regulatory and market pressure



Demand destruction: 2013 Iberian demand back to 2005 level

High reserve margin in Iberia: over 35% in Spain and 25% in Portugal, in 2013

Low pool prices: capped by low residual thermal demand

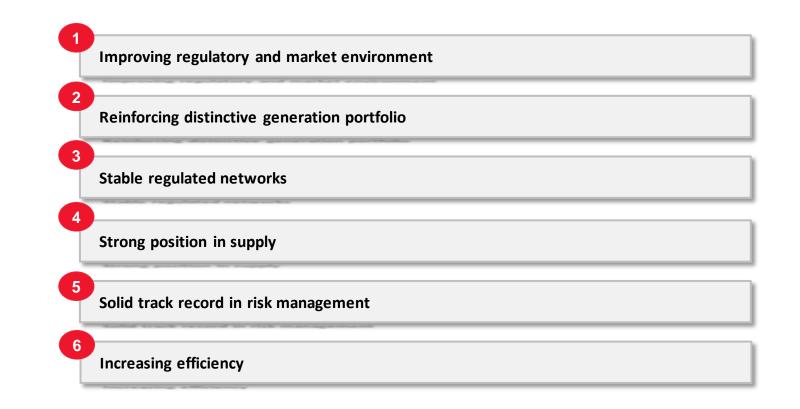
**Regulatory/fiscal changes:** several waves in Portugal and Spain hit utilities' earnings

2014 can be a turning point:

Improved regulatory visibility, room for moderate improvement in market conditions

### Key Drivers for Iberian operations in 2014E-17E

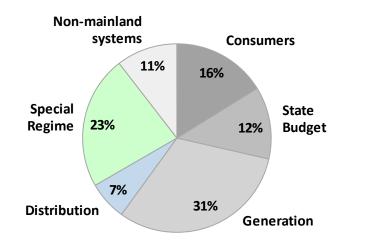




#### Regulatory landscape in Spain: Lower regulatory risk after changes in 2012-14



Spain – Overall impact of 2012-14 regulatory/fiscal measures (%)



System expected to be balanced in 2014 (vs.  $\in$ 3.9bn deficit in 2013), as long as commitments are fulfilled<sup>(1)</sup>.



#### Potential regulatory changes

Electricity		
•	Changes in <b>ancillary services</b> markets signalled since 2013 (included in our business plan)	
•	Possible changes in the <b>wholesale markets:</b> basic guidelines agreed in the context of market coupling of Iberia and France must be preserved	

#### Gas

- Regulated activities: Possible changes on the remuneration may be announced in 2Q14E
- Expected start-up of gas spot/forward market in Iberia (MIBGAS)

#### Cuts applied so far are enough to eliminate electricity tariff deficit

#### 1 Regulatory landscape in Portugal: Lower regulatory risk after cuts implemented in 2012-14



2<sup>nd</sup> package announced in Oct-13:

Clawback of possible gains by Portuguese generators due to distinct regulatory/fiscal rules vs. Spain

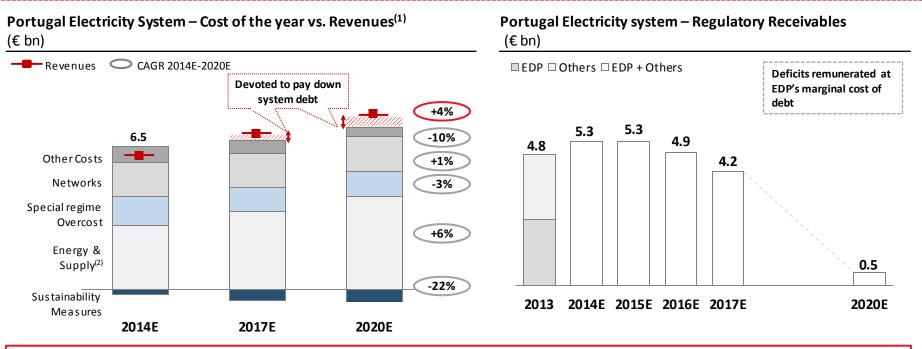
- Due to be reassessed every 6 months as to adjust for any further distortions arisen: as part of this, any change to social tariff, special contribution or other costs paid by electricity generators must be factored in
- Currently in place: transitory levy of €2-€3/MWh in off-peak/peak hours, applicable to all capacity in the liberalised market<sup>(1)</sup>; introduced in the wake of generation taxes in Spain

Special Contribution from Energy sector	<ul> <li>0.85% tax on assets in 2014, applicable to electricity, gas and oil operations</li> <li>Expected impact on EDP: ~€47m after taxes.</li> <li>According to recent statements by finance minister, this extraordinary tax will be in place also in 2015 (terms to be known in 2015 budget).</li> </ul>
Social Tariff	<ul> <li>Scope due to increase from Jan-15 onwards;</li> <li>Cost to be shared between State budget and generation plants in the liberalised market</li> </ul>

The clawback will be netted of any further generation costs like social tariff or extraordinary contribution

# Portugal Electricity System: Sustainability is ensured with the measures in place



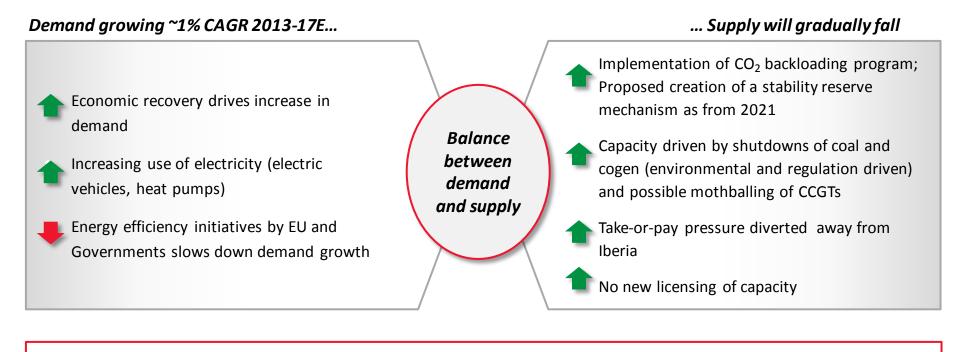


- Sustainability measures: Impact from 1st & 2nd package<sup>(3)</sup> expected to grow over 2014-2020E
- Moderate tariff rise (1.5%-2.0% CAGR above inflation) and demand growth (+0.9% CAGR in 2013-17E)
- Lower investments in the system (new capacity, grids)

(1) Revenues corresponding to system costs included in the tariff. Costs of the year corresponding to costs included in the tariff of the year plus ex-ante tariff deficit created in the year, minus past tariff deviations and deficits recovered in the year. (2) Includes estimated energy and supply costs in the free market. (3) 1st package in May-12, 2nd package in Oct-13

### 1 Energy markets in Iberia: Re-balancing mainly prompted by supply





Average Iberian pool price of ~€55/MWh in the 2014E-17E period

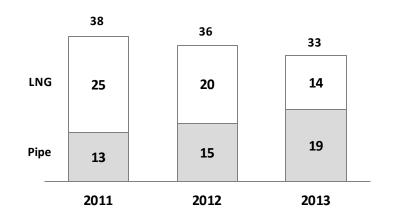
### 1 Strong integration with International LNG markets is supportive for power prices in Iberia

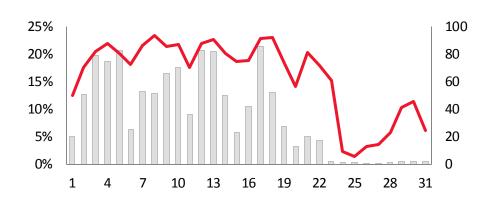


#### Iberian Market - Net gas consumption (bcm)

Spain in Dec-13 – Daily CCGT load factors and Pool price (%, €/MWh)

CCGT Load Factor — Pool price





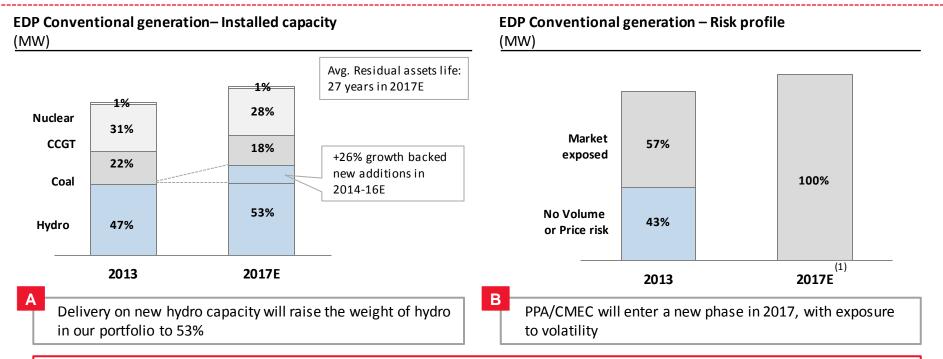
Fall in LNG consumption in Iberia prompted by its diverting to Asia/Latam at higher margins

Unexpected cold weather, low wind/hydro resources and lower nuclear availability in the system

If CCGTs are needed, power prices in Iberia must increase in order to provide positive spreads

## <sup>2</sup> EDP is reinforcing a distinctive generation portfolio



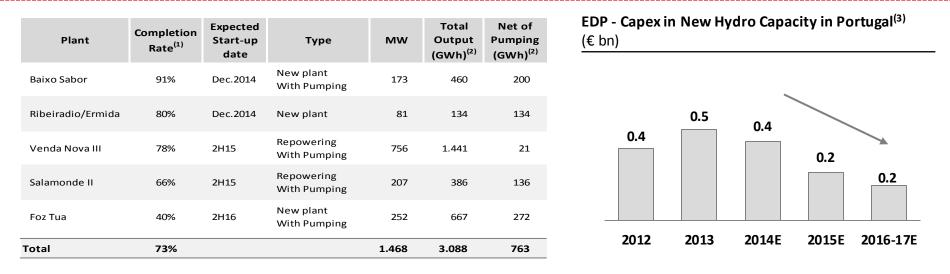


- **CCGTS:** Technical features of our fleet allow to concentrate operations in the best hours and in ancillary services
- Coal: Our fleet is the most efficient in Iberia; historical load factor at 57%<sup>(1)</sup> (vs. sector's 40%); ~85% of portfolio with DeSOx / DeNOx as of 2017; Decommissioning of Soto 2 (236MW) in Dec-15

(1) Considers PPA/CMEC generation in the liberalised activities for 12-months in 2017

### 🕺 New Hydro Capacity in Portugal: +1.5GW in 2014-16





- 2 repowering projects using existing reservoirs (66% of new MW): lower capex/MW, lower execution risk
- 4 projects have pumping capabilities (95% of new MW): 75% of expected electricity production will use electricity also as fuel (driven by intraday/week/month price volatility); expected net output is 0.2% of Iberian power demand

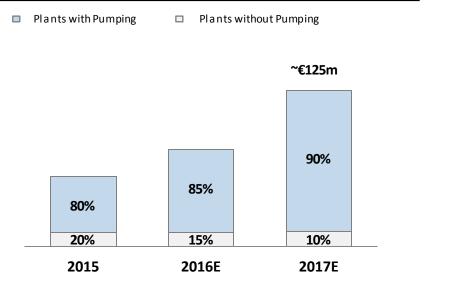
#### €1.3bn of works in progress by Mar-14: 73% of total capex already incurred

## New Hydro capacity in Portugal: Expected EBITDA of ~€125m in the 1<sup>st</sup> full-year of operation



EBITDA – Contribution from new hydro capacity in Portugal

(€ million)



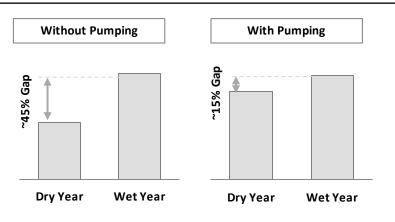
- Delivery of new hydro capacity prompts for a 5-year extension of residual life of our hydro portfolio, to 35 years in 2017E
- Repowering imply high synergies with existing plants on O&M costs

~90% of Additional EBITDA derives from capacity with pumping

### A Hydro with pumping reduces portfolio risk and delivers attractive incremental returns



EDP - Hydro gross profit per MW installed<sup>(1)</sup> (€/MW installed)



**EDP** Pumping activity<sup>(1)</sup> – Spreads versus avg. Pool price (€/MWh produced)

Premium / (Discount) versus pool price<sup>(2)</sup> +85% -30% +30%-60% 51 45 Selling Pumping Spread Selling **Pumping Spread** Price Price Cost Cost **Dry Year** Wet Year

 Plants with pumping contribute to reduce the volatility of hydro gross profit between wet and dry years  Pumping's profitability is driven by spreads between off-peak and peak prices, rather than absolute prices

Recent market dynamics in Iberia support the economics of hydro pumping and storage at adequate returns By 2017E, 40% of overall EDP's hydro capacity will have pumping

(1) Based on years of 2012 ('Dry Year') and 2010 ('Wet Year'); Plants with Pumping based on Alqueva; Plants without pumping based on Douro-river plants and Alto Lindoso hydro plants. (2) Average pool price: €37/MWh in 2010 ('Wet Year'), €48/MWh in 2012 ('Dry Year').

## PPA/CMECs account for ~90% of EBITDA from LT Contracted generation



#### LT Contracted generation in Iberia – EBITDA breakdown

(€ million)

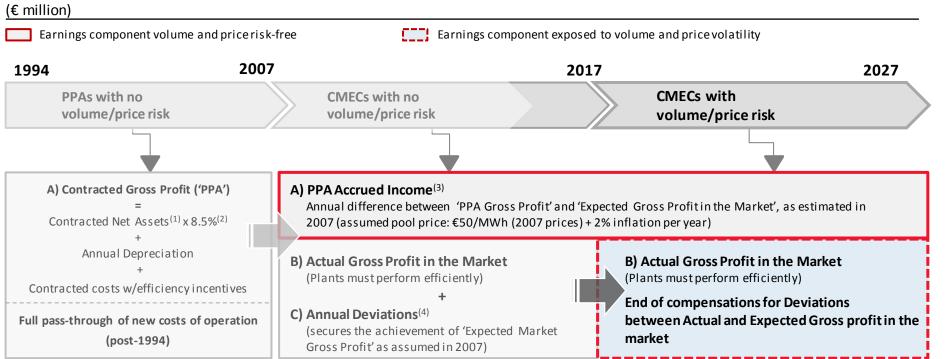


Our Sines plant is amongst the most efficient coal plants in Iberia and has no major capex needs

## PPA/CMECs new phase: as from 2017, hydro under PPA/CMECs will be exposed to price and volumes short term volatility



#### PPA/CMEC- Gross profit profile



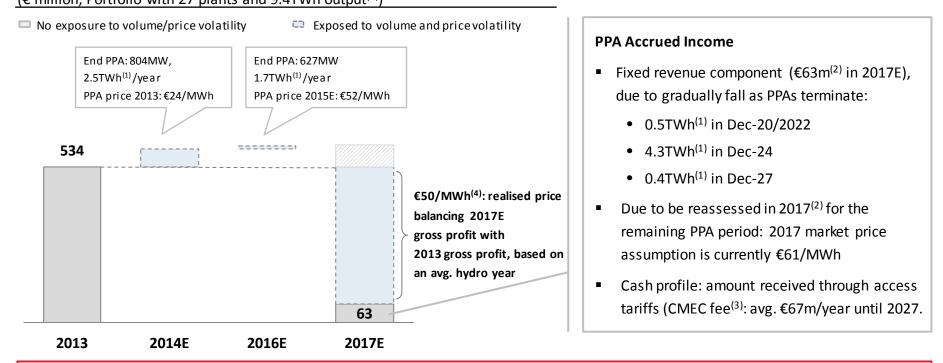
### CMEC system will only end in 2027, the maturity date of the last hydro PPA

(1) Inflation updated. (2) Return on Assets before inflation and taxes; (3) PPA accrued income is received through the 'CMEC fee': an annuity calculated on the base of the NPV of PPA accrued income throughout PPAs' life. (4) Deviation between 'Expected gross profit in the market', as estimated in 2007, and the 'Actual gross profit in the market (simulated through Valoragua model based on real context).

## Bydro PPA/CMEC: with a €50/MWh price in 2017, gross profit in 2017E would be in line with 2013



**Hydro plants with PPA/CMEC – Gross profit dynamics in 2013-17E** ( $\notin$  million; Portfolio with 27 plants and 9.4TWh output<sup>(1)</sup>)

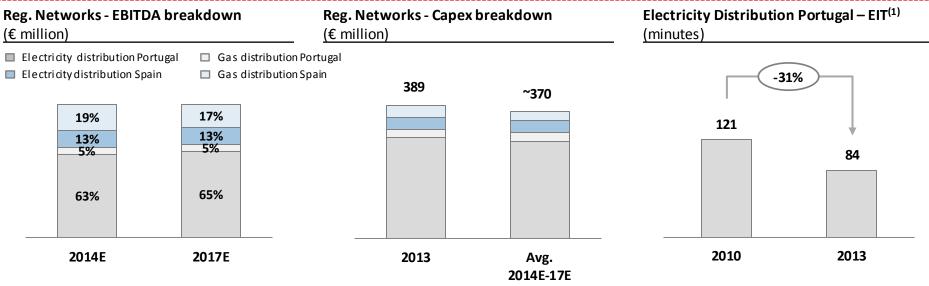


### High quality assets, low marginal cost technology, long concession period beyond PPA maturity

(1) Based on an average hydro year. (2) PPA accrued income and CMEC fee due to be reassessed in 2017 based on the rules contractually defined in 2004. (3) The 'CMEC fee' corresponds the annuity calculated on the base of the NPV of PPA accrued income throughout PPAs' life. (4) Assuming no changes in 2017 to the CMEC assumptions defined in 2007

# 3 Regulated networks: 65% of EBITDA derives from Electricity distribution in Portugal





- Regulation: No major changes in model expected in the next regulatory period for electricity distribution in Portugal, in 2015-17
- EBITDA: stable on regulation, low inflation environment and tight cost control
- Focused capex: targeting harmonisation throughout concession area of high quality grid standards already achieved; improvements in grid efficiency, lower grid losses and O&M costs

### Focusing on capex and OPEX efficiency improvements

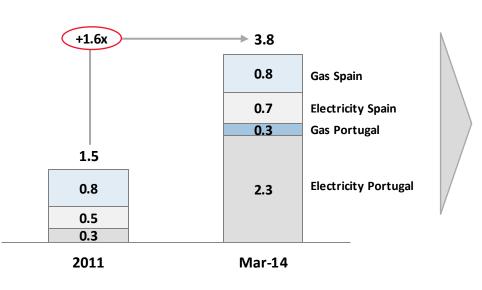
(1) Equivalent Interruption Time; Adjusted for non-recurring impacts (rainstorms, high winds and summer fires).

## Olients portfolio expansion backed by strong pace of liberalisation in Portugal



#### EDP – Clients portfolio in the Free market

(Million)

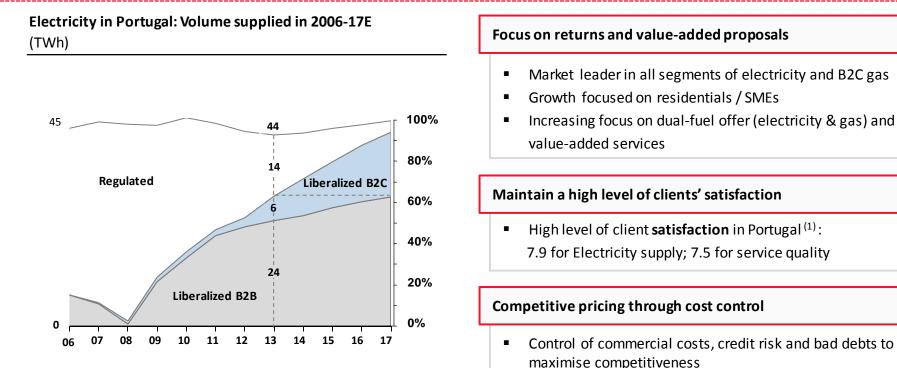


- In Portugal, strong portfolio expansion, backed by liberalisation process in electricity and gas
- Timeframe for the phasing-out of transitory regulated tariffs:
  - ✓ Dec-14: Clients  $\ge$  10.35kVA
  - ✓ Dec-15: Clients < 10.35kVA</p>
- In Spain, supplier with the highest growth in gas and electricity; highest percentage of products per client (1.8); Highest share of clients in free market

Liberalization process to continue to be a challenge and an opportunity for EDP in 2014-2017

### In Portugal, 84% of clients that move to free market chose EDP as a supplier



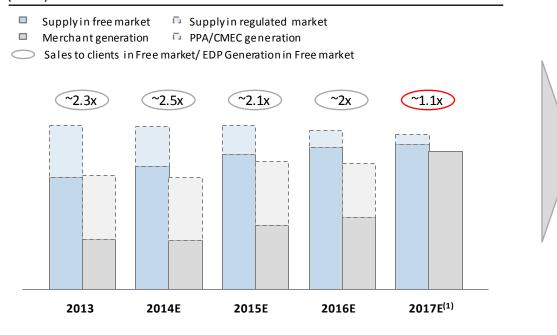


### Clear market leader focused on adding value to our clients and to EDP

## 6 Risk management: Strong presence in supply allows to successfully manage additional market exposure



## **EDP electricity volumes – Generation & supply integrated activity** (GWh)



#### Main drivers in 2014-17E

#### **Volumes supplied**

- Higher weight of supply in free market vs. last resort backed by the liberalisation in Portugal
- Increasing weight of longer-maturity contracts with industrials

#### **Generation volumes**

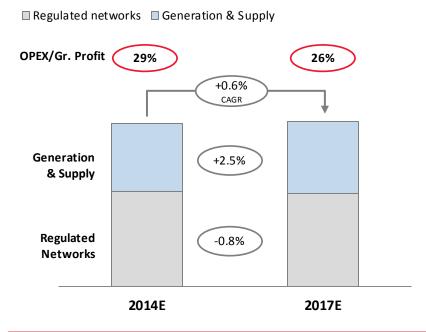
 Higher share of liberalised generation prompted by the gradual switching of plants from PPA/CMECs to market

EDP aims at replicating the good track record in market risk management to a wider merchant portfolio

# 6 Efficiency: OPEX/Gross profit improves from 29% to 26% on portfolio optimisation and headcount reduction



**EDP Iberian operations** <sup>(1)</sup> − **Operating costs** (€ million)



**Generation & Supply activities in Iberia** 

- New capacity on stream adds O&M costs
- Optimisation of maintenance policy as to well accommodate the transition of PPA/CMEC capacity to merchant
- Client Services/Marketing related to clients' switching from the regulated to the liberalised market in Portugal

### **Regulated Networks in Iberia**

- Tight cost control, related to corporate cost savings' program
- Net headcount reduction mainly driven by retirements

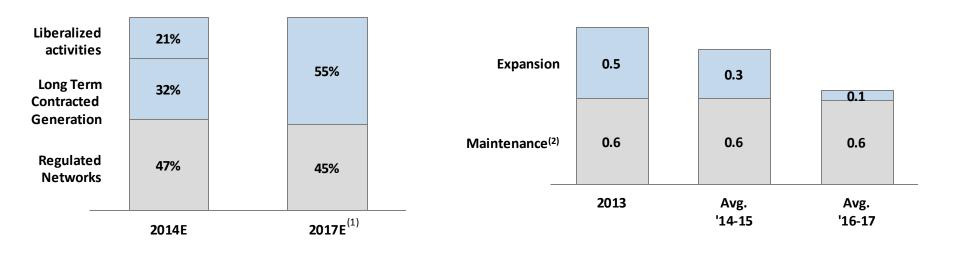
Even with capacity additions and some volume growth, operating costs are due to evolve below inflation

# Iberian operations: Capex will fall with the completion of the new hydro program and higher efficiency on networks



**Iberian operations – EBITDA breakdown** (€ million)

**Iberian operations – Capex breakdown** (€ million)



EBITDA in Iberia expected to grow at ~1% CAGR in 2014E-17E

<sup>(1)</sup> Considers PPA/CMEC generation in the liberalised activities for 12-months in 2017 (2) Includes non-recurrent environmental capex in Spain.

## EDP Iberian Business key drivers 2014E-17E



Through adequate strategic positioning in current environment...



... EDP will achieve its targets...

EBITDA New Hydro	Lower Avg. Capex/year	Орех	EBITDA Iberian Business
2017E +€125m	2016-17E <b>~€0.6bn</b>	CAGR 14E-17E +0.6%	CAGR 14E-17E +~1%

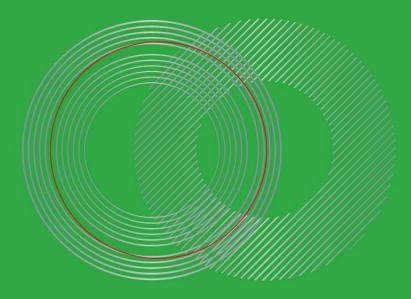
...leading to

Low-risk business model with strong Free Cash Flow generation

## **INVESTOR DAY 2014**

João Manso Neto, CEO

EDP Renováveis

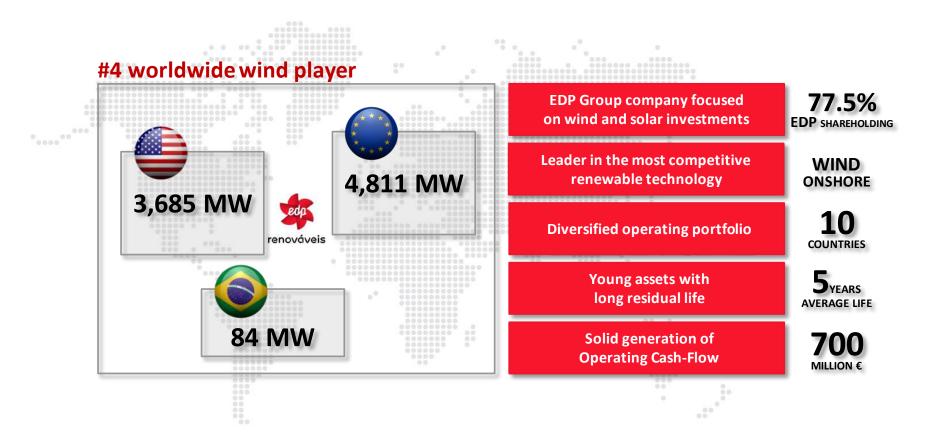






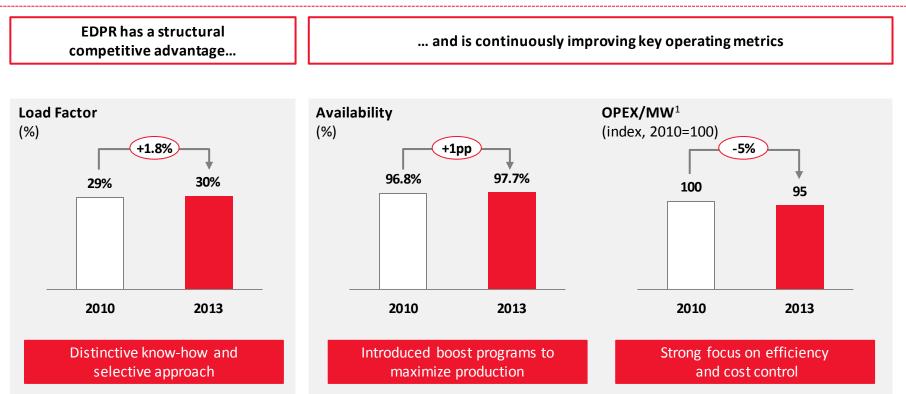
## EDPR is a market leader with 8.6 GW of installed capacity worldwide...





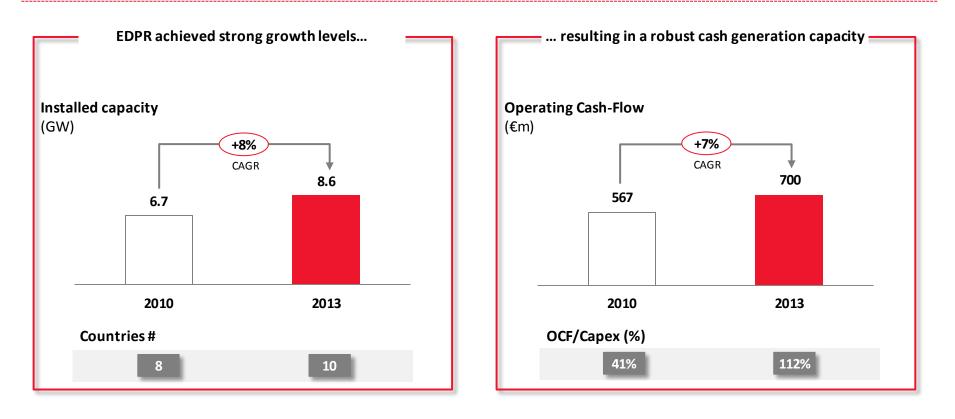
## ... developed from key core competencies, managed and operated on standards of excellence...





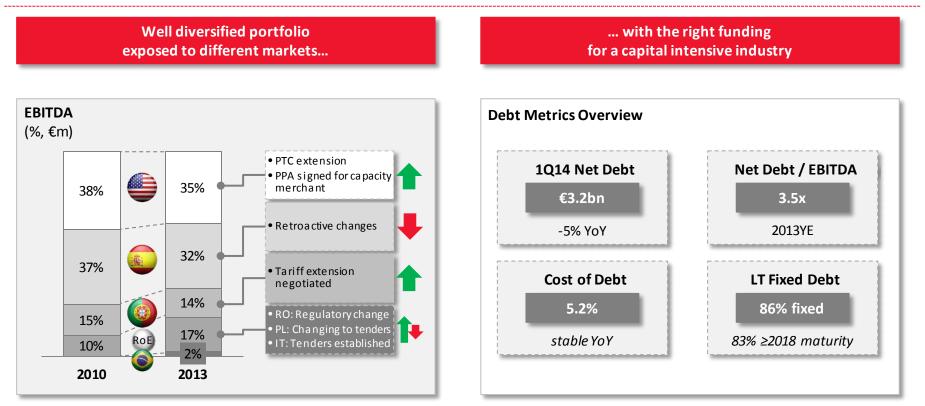
### ... flawlessly executing a selective growth profile...





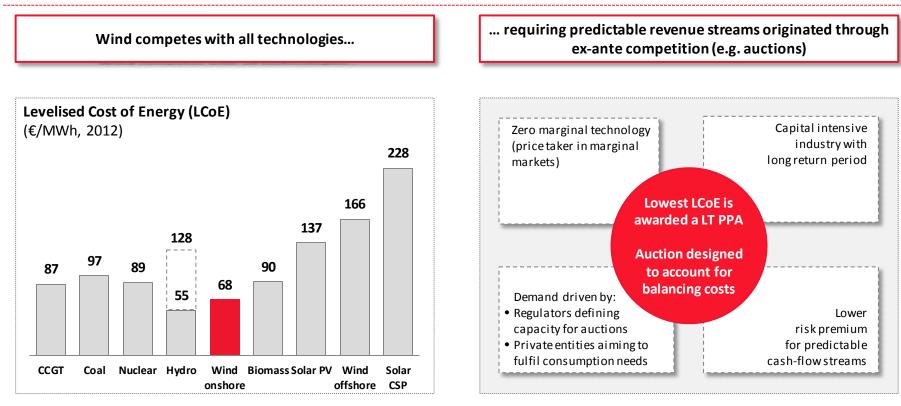
## ...and presenting a diversified low risk portfolio based on a solid balance sheet





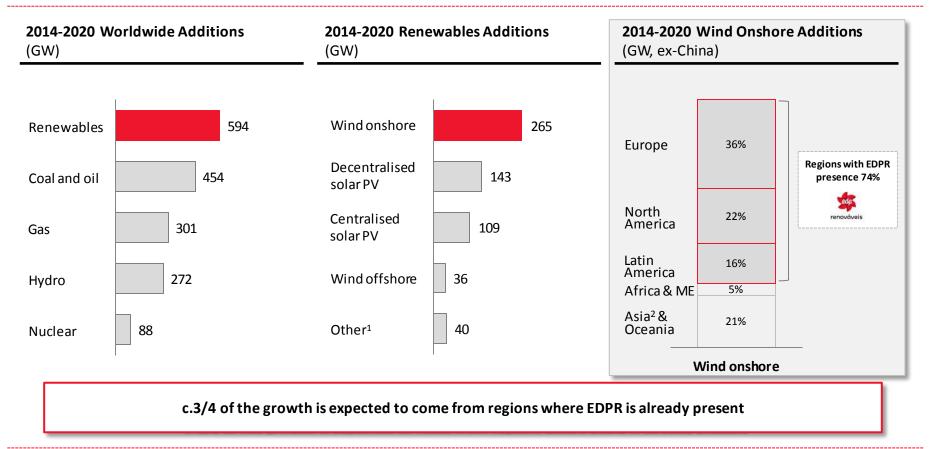
### Wind onshore is a competitive technology...





## ... and perceived by the market as the largest growth driver in renewables...

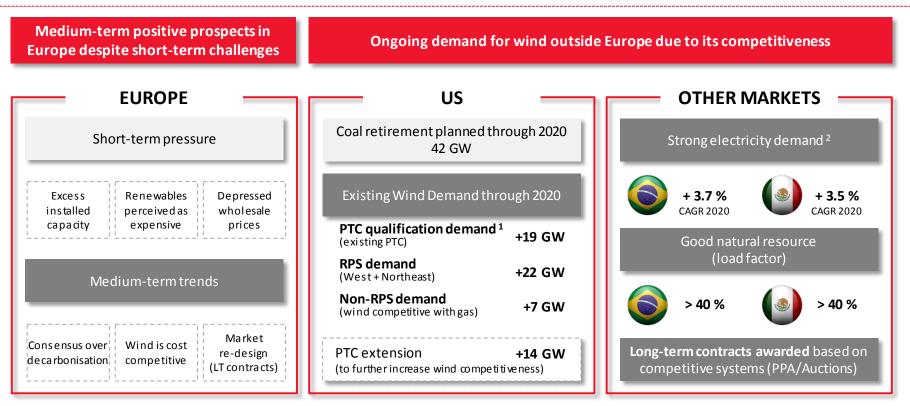




Notes: Source: IHS Emerging Energy Research (2014); EPIA Global Market Outlook for PV; 1) Includes Biomass, waste and other; 2) Asia ex-China

## ... supporting EDPR's medium-term view about sector fundamentals





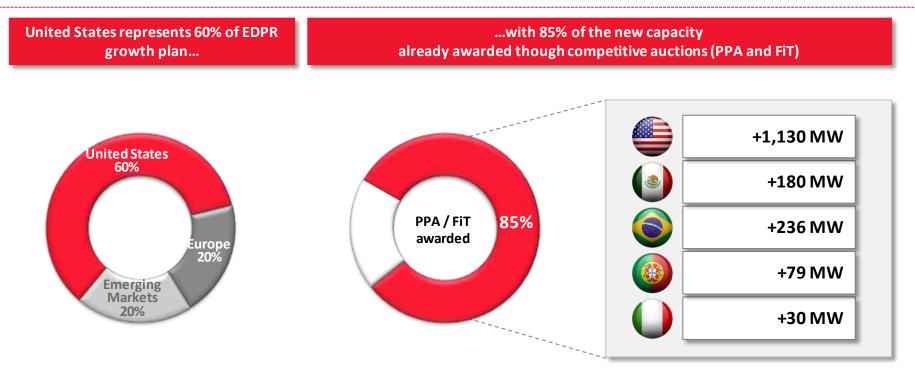
# EDPR's strategic plan through 2017 to distinctively create value supported by 3 pillars



1. Selective growth	2. Operational excellence		3. Self-funded business	
2014-2017		2014-2017		2014-2017
Investing in quality projects >500 MW/year	Maintaining high availability levels	> <b>97.5%</b>	Strong Operating Cash-Flow generation	€ <b>3.5</b> bn
Growing through projects with LT contracts already awarded	Leveraging quality growth on distinctive wind assessment	<b>31.5%</b> Load Factor	Asset Rotation to enhance value growth	<b>€0.7bn</b> (ex-CTG)
Developing offshore 1 GW awarded in France and projects in the UK	Increasing efficiency, reducing OPEX/MW	<b>-2%</b> CAGR	Net Investment supported by Asset Rotation Program (Capex + Investments - AR)	€ <b>1.8</b> bn

A visible growth plan based on contracts already signed with low exposure to wholesale prices and regulatory schemes...

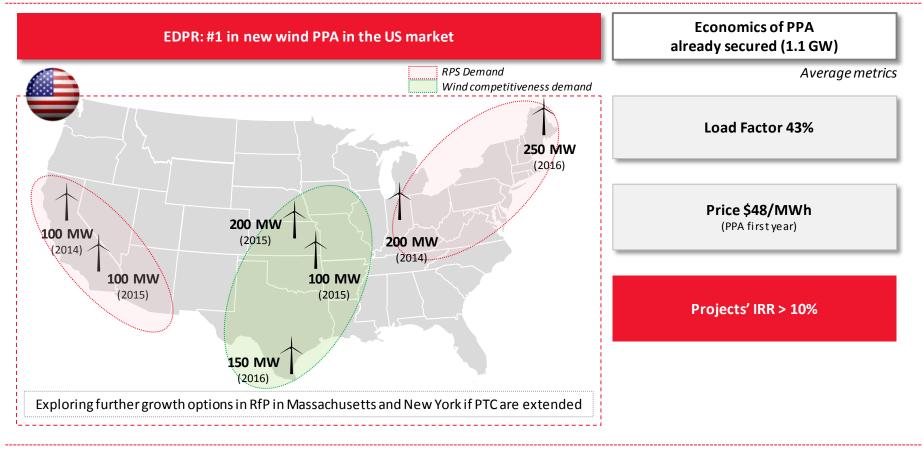




EDPR high quality pipeline successfully bided and awarded with long term contracts enables a low risk growth strategy

## Investments in the US are at the core of EDPR growth strategy with 1,130 MW of new additions already secured





## European Markets to deliver 0.4 GW of low-risk profitable growth opportunities...



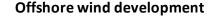
Conclusion of ENEOP project	Execution of projects with PPA
Project awarded in 2006 (EDPR with a 40% stake)	30 MW awarded in 2013 to be installed in 2014
Asset splitting expected for 2015 with DPR fully consolidating 534 MW equivalent	Participating in new energy auctions for 2015-17 additions
FRANCE	POLAND
	POLAND
FRANCE	

...and selected emerging wind energy markets through 416 MW of high quality projects with long-term PPA secured

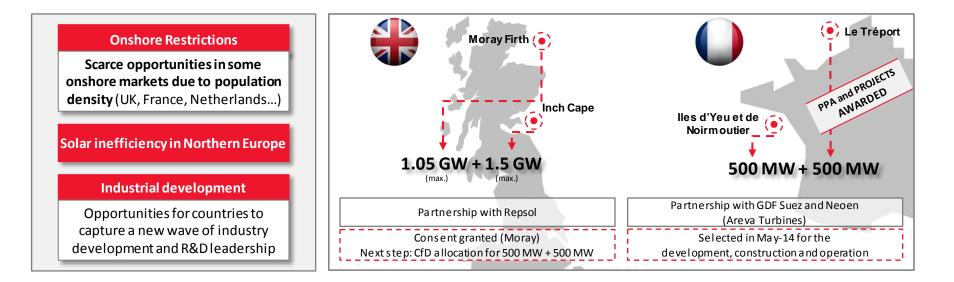
BRAZIL	MEXICO	NEW MARKETS
Execution of projects with PPA	Execution of projects with PPA	Prospecting markets with strong fundamentals
236 MW awarded in 2011 and 2013 to be installed in the 2015-17 period	180 MW with 25 year PPA to be installed in 2016	Strong electricity demand growth
Current market conditions call for	Diatform for future growth in a	Robust renewable resources
further auctions of wind energy	Platform for future growth in a promising market	Long-term contracts awarded based on competitive systems (PPA/Auctions)

## EDPR/GDF Suez awarded with 1,000 MW offshore wind project in France and developing UK projects with Repsol...





EDPR's Partnership Strategy critical for de-risking and complementary skills



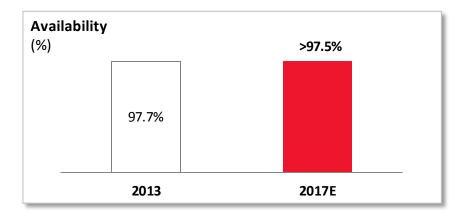
... support growth alternatives post-2017

## Quality growth supported by distinctive competences and unique wind assessment know-how...



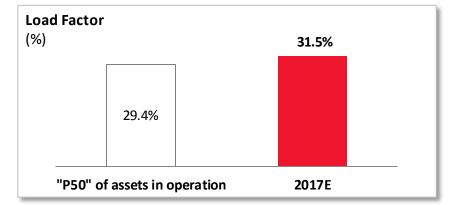
Keep maximizing productivity levels...

... and reach second-to-none load factor metrics



Predictive maintenance tools and 24h Control and Dispatch centre optimize wind farm fleet, reduce damage and improve planning

New spare parts warehousing strategy key in reducing downtime

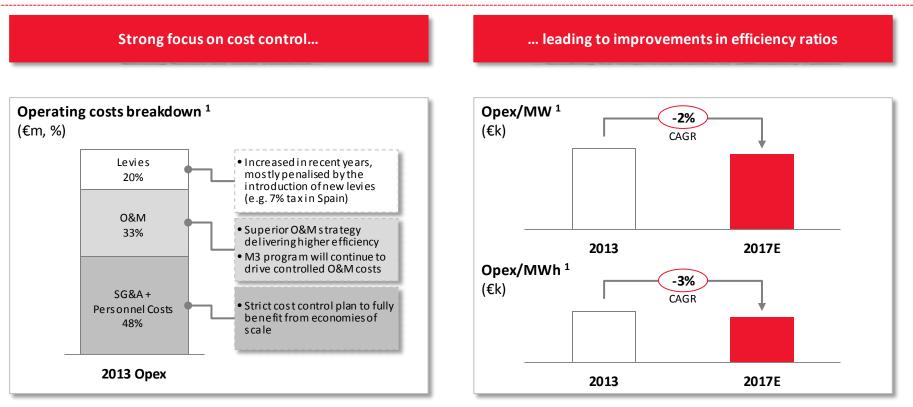


Power-enhancing retrofits boost production and ensure that older models keep up-to-date with new technological improvements Expertise in wind farm layout and turbine generator choice critical

to achieve optimal investment yields

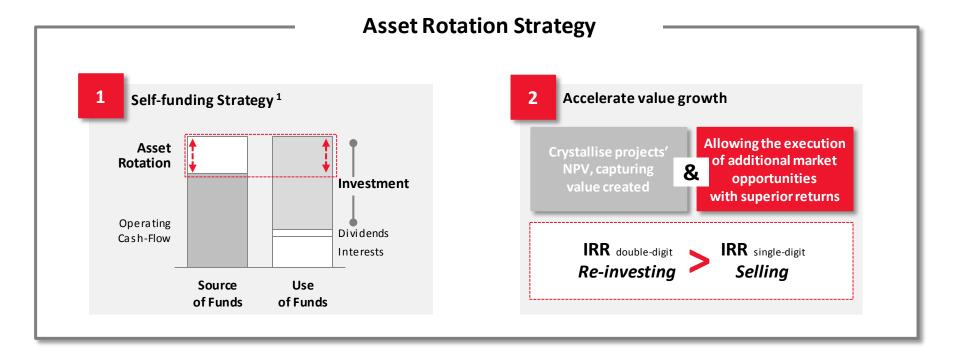
### ... keeping efficiency metrics on highest levels of excellence





Growth enhanced by EDPR's asset rotation strategy designed to accelerate value creation...

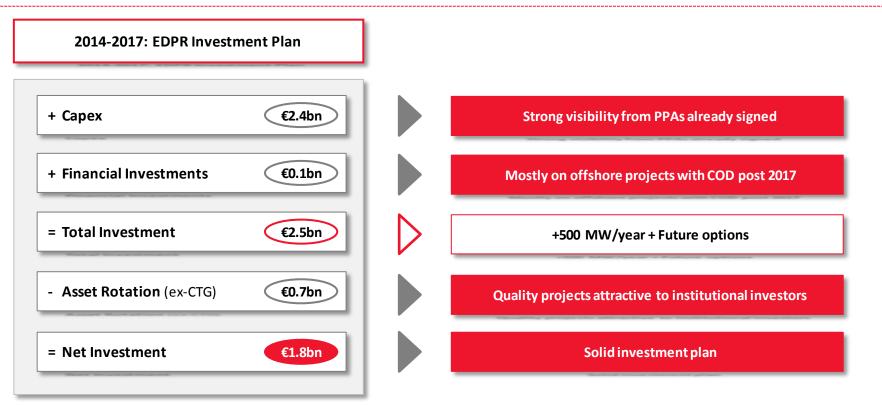




... and to maintain a self-funding strategy

### A rigorous expansion plan of €1.8bn in the 2014-17 period





### EDPR value proposition supported by three strategic pillars



By delivering on its strategy...



... EDPR expects to achieve solid growth targets...

... maintain its dividend policy...

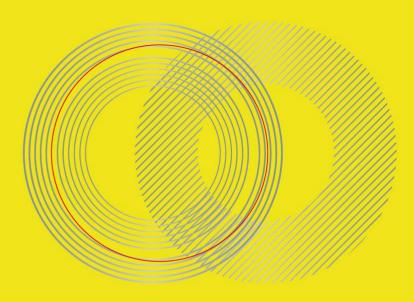


... and lead in a green and competitive sector with increased worldwide relevance

## **INVESTOR DAY 2014**

Miguel Setas, CEO

EDP – Energias do Brasil





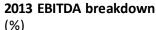


Corporate profile: integrated private electric company with operations in distribution, generation and trading





### largest private trading company (sales)



9% of market share<sup>(1)(2)</sup>

**2**rd

**1**th

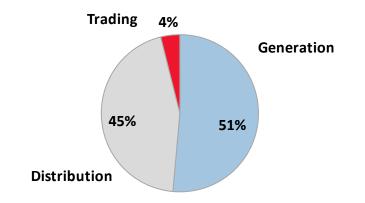
6<sup>th</sup>

#### largest private generation group (installed capacity)<sup>(1,3)</sup>

- 2.2 GW of installed capacity and 1.4 Avg.MW of assured energy
- 1.5 GW under construction (proportional stake: 635 MW)
- Long term concessions and PPAs
- Partnership with local and foreign companies

### largest private distribution group (energy)<sup>(4)</sup>

• 3.1 million customers supplied by two distribution companies

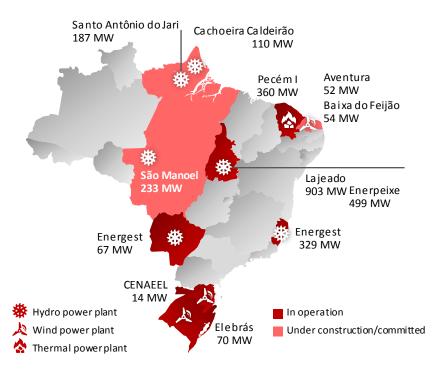


## Corporate profile: operations in 11 Brazilian States



#### Generation<sup>(1)</sup>

- Present in 10 States
- Hydro: 76%; Small Hydro: 6%; Thermal: 16% and Wind Power: 2%



### Distribution

#### **EDP Bandeirante**

- 28 cities in the state of São Paulo
- 1.7 million customers
- Concession until 2028



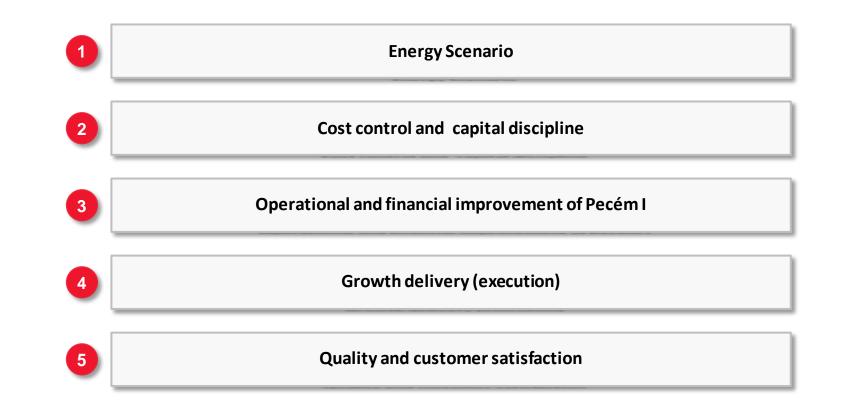
#### EDP Escelsa

- 70 cities in the state of Espírito Santo
- 1.4 million customers
- Concession until 2025



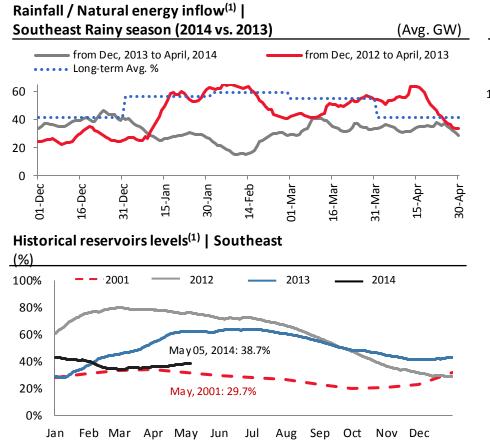


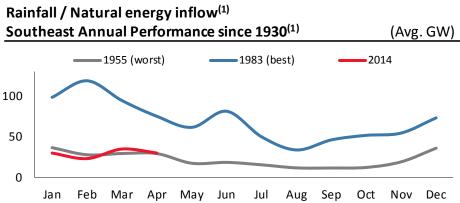




## Energy scenario: low rainfall and reservoirs levels





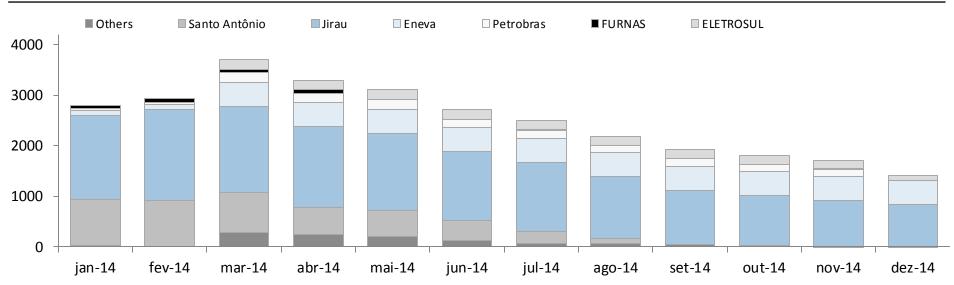


- The natural energy inflow (southeast) in the rainy season of 2014 was 29% below 2013 and the sixth worst since 1930
- 8.4% consumption growth in 1Q14 vs. 1Q13 mainly due to higher temperatures

# Delay on commissioning of new generation capacity: 2.3 avg. GW expected to start operations before year-end



Startup of commercial operation<sup>(1)</sup> | Power plants delayed (Avg. MW)

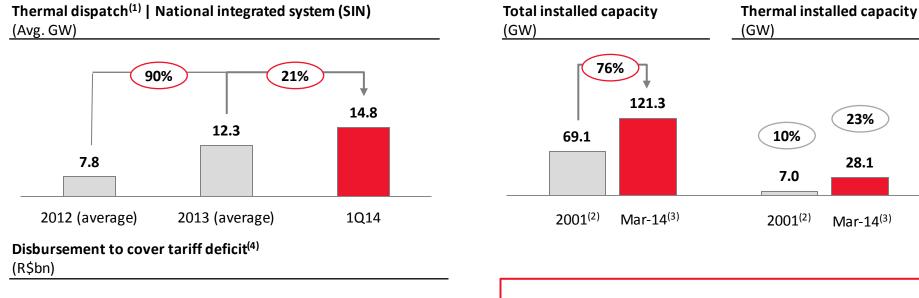


### 7,000 Avg. MW have been canceled or delayed

- 3,560 Avg. MW from plants auctioned and canceled by Aneel with startup of operation expected from 2010 to 2013
- 3,500 Avg. MW from projects delayed with startup of operation expected to 2014

### Strong increase of system costs due to higher thermal dispatch







- The average thermal dispatch in 1Q14 was 90% above the average of 2012 and 21% above of 2013
- 21.1GW increase of thermal installed capacity since 2001

(1) Source: Operador Nacional do Sistema (ONS). 2) Source: Instituto Acende Brasil. 3) Source: Aneel. Elaboration: EDP Energias do Brasil. 4) Source: Aneel. Take into account CVA account, energy security charge, involuntary exposure and coverage for the costs of hydrological risk.

## Impacts to the business from current energy scenario

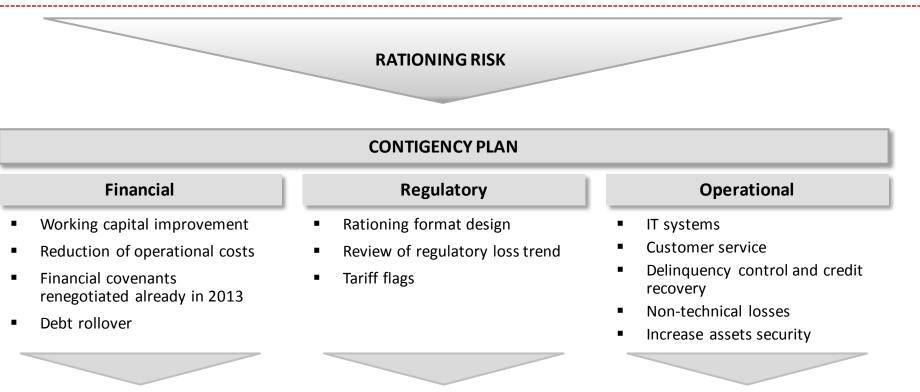


Distribution	Generation
<ul> <li>Higher non manageable costs being supported by:</li> <li>Resources from National Treasury: R\$4bn</li> <li>Resources from the financial market to CCEE<sup>(1)</sup>: R\$ 11.2bn raised through financial institutions (private and state owned)</li> <li>Auction A-0: distribution companies contracted 57% of its demand (3.3 Avg. GW) <ul> <li>R\$262/MWh for thermal power plants</li> <li>R\$271/MWh for hydro power plants</li> </ul> </li> </ul>	Expectation of GSF (Generating scaling factor) below 100% level for 2014 1Q14 Average GSF: 96.2%
<ul> <li>These funds will cover the bulk of the thermoelectric generation costs and DisCos involuntary exposure to the spot market in 2014</li> <li>Any remaining deficit will be recovered in the next tariff adjustments</li> </ul>	<ul> <li>Generation companies need to acquire energy from the spot market to comply with their contracts 100% GSF level</li> <li>The amount spent will not be recovered</li> </ul>

<sup>1)</sup> CCEE: power commercialization chamber

## Energy scenario: monitoring and contingency plan





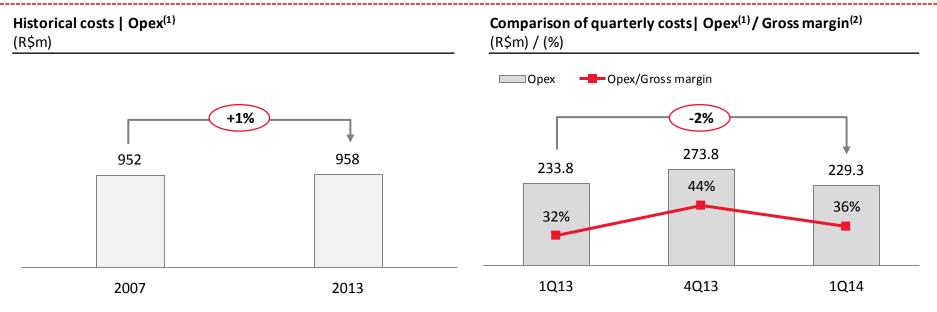
#### **Protect cash Flow**

**Contribute to framework** 

#### Adapt to scenario

## <sup>2</sup> Cost control and capital discipline: strong track record





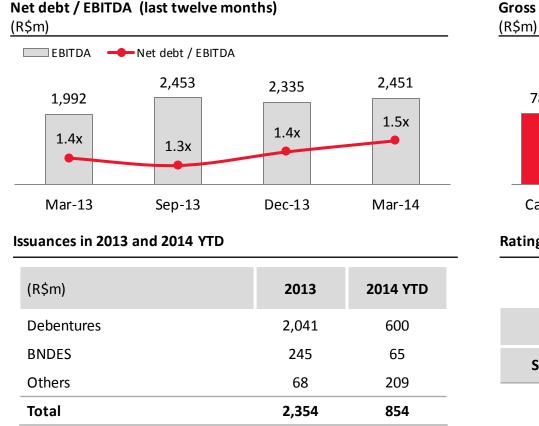
Historical costs below inflation (IPCA) : 43.7%

1Q14: Total Opex down by 2% YoY; Distribution Costs down by 3.8% YoY

(1) PMSO (personnel, materials, services, others); (2) Gross margin adjusted for regulatory assets and liabilities.

#### Cost control and capital discipline: ring fenced operation





### Gross debt amortization schedule<sup>(1)</sup> 1,186

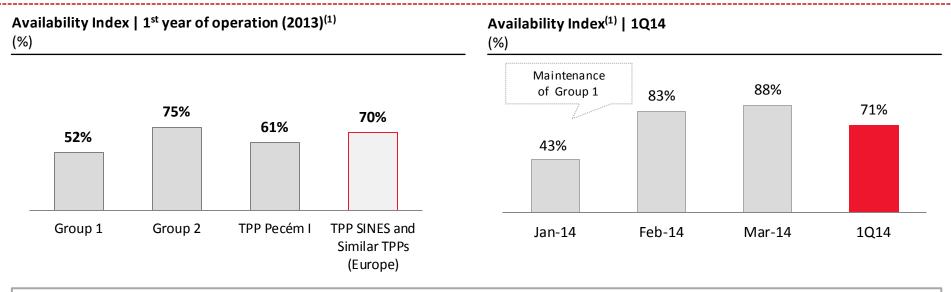
#### >2019 Cash

#### Ratings

	EDPBR	EDPB Bandeirante	EDPB Escelsa	
Moody's Global	Ba1	Baa3	Baa3	
S&P Local		brAA+	brAA+	
		Investment Grade		

## <sup>3</sup> Pecém I: operational and financial improvement on track





- In January 2014 Federal Court granted a legal injunction partially suspending down time penalties
- Claim to recover the incurred down time penalties since 2012
- 2013 EBITDA: -R\$52.8 million<sup>(2)</sup>; 1Q14 EBITDA: R\$ 24.4 million<sup>(2)</sup>

#### Proactive management action to deliver suitable operational and financial performance

## Growth delivery: hydro projects under construction and committed



#### Hydro projects under construction and committed

	EDP Brasil Stake <sup>(1)</sup>	Capacity (100%) (MW)	Contracted Energy (Avg. MW)	Capex(e) (R\$bn)	Debt/Equity	Startup of Commercial Operation	Jari: 92% completed On time and On cost
Stº António do Jari	50%	373	217.7	1.1	67%/33%	Jan 2015	<ul> <li>Jari goals for 2014:</li> <li>Operating License and Reservoir</li> </ul>
Cachoeira Caldeirao	50%	219	129.7	1.1	52%/48%	2017	Filling; - Installation and commissioning of
São Manoel	33%	700	409.5	2.7	68%/32%	2018	electromechanical generating units; - Start of commercial operation

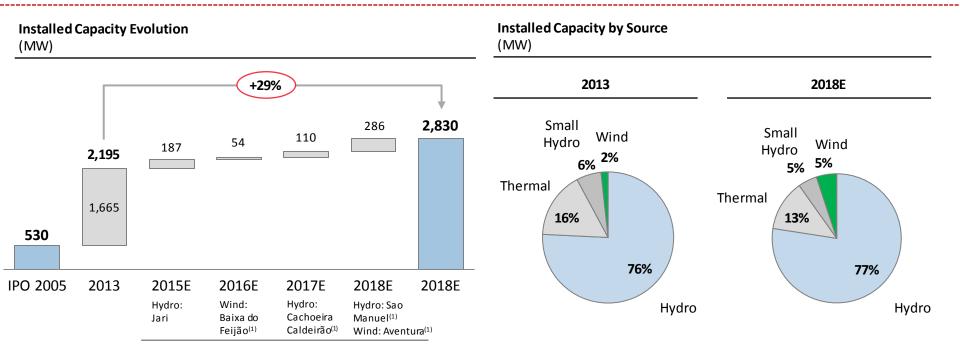
- Cachoeira Caldeirão: Conclusion of rock excavation in April 2014; Beginning of the main structure construction
- São Manoel: Concession contract granted with 134 days in advance<sup>(2)</sup>
- Partnership with CTG for hydro projects: Jari and Cachoeira Caldeirão since Dec-13<sup>(1)</sup> and São Manoel since Feb-14<sup>(1)</sup>

<sup>(1)</sup> To be approved in accordance with the dictates of the market based on the market communique released in December, 2013 and February, 2014 (Partnership with CTG). Criteria of consolidation (equity method);

<sup>(2)</sup> Concession contracted granted by Ministry of Mines and Energy in April 10, 2014.

## Growth Delivery: +2.3GW of capacity from 2005 to 2018





+29% of capacity increase mostly driven by commissioning of new hydro capacity

(1) Take into account the proportional consolidation

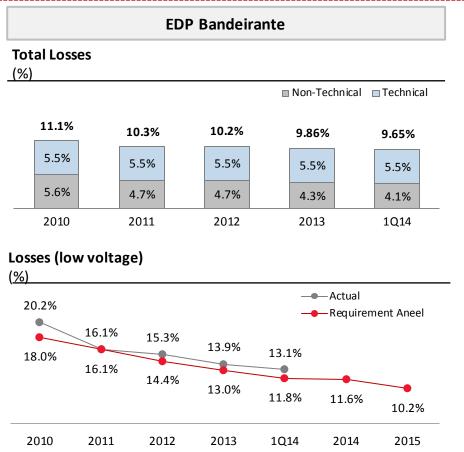
### Ouality and customer satisfaction in electricity distribution: consistent improvement



#### **EDP Bandeirante** EDP Escelsa (DEC [hours] |Outage duration per customer) (DEC [hours] |Outage duration per customer) Regulatory requirement **Regulatory** requirement 10.4 9.88 9.79 9.67 9.43 9.42 8.08 7.54 2011 2012 2013 1014 2011 2012 2013 1014 eda **DEC** (outage duration per customer): Improvement of 20% in Bandeirante since 2011 and 6% in Escelsa Quality indicators below regulatory requirement Escelsa: Finalist in the National Quality Award - PNQ Brazilian Ranking in 2013: Bandeirante 4<sup>th</sup> and Escelsa 7<sup>th</sup> (2013) and Winner of Espírito Santo Quality Award - PQES **FEC** (outage frequency per customer): Bandeirante: Featured in the criteria "customers" from the National Quality Award – PNQ (2012 and 2013) Indicators steady and below regulatory requirement since 2011

### 5 Quality and customer satisfaction in electricity distribution: Challenge | energy losses trend





	EDP Escelsa								
Total (%)	Losses	5							
						Nor	-Technica	I 🗆 T	echnical
	14.0%	1	12.8%		13.7%		13.2%		13.2%
	8.3%		7.4%		7.7%		7.8%		7.6%
	5.7%		5.4%		6.0%		5.4%		5.6%
	2010		2011		2012		2013		1Q14
Losse: ( <u>%)</u>	s (low v	voltag	e)						
18.19	% 17.	1% 1	.8.4%	15.9%	16.7%		Actu Requ		nt Aneel
16.59	% 14.		.3.1%	11.4%	10.5%	9.9	% 8.	3%	7.4%
2010	20	11 2	2012	2013	1Q14	203	14 20	)15	2016



Delivering on its strategy...



... EDPBR will achieve its targets...



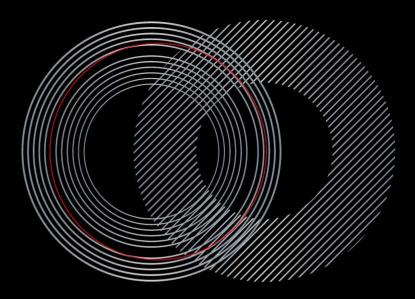
...leading to

Successful execution of growth opportunities and market & regulatory risks management

## **INVESTOR DAY 2014**

Nuno Alves, CFO

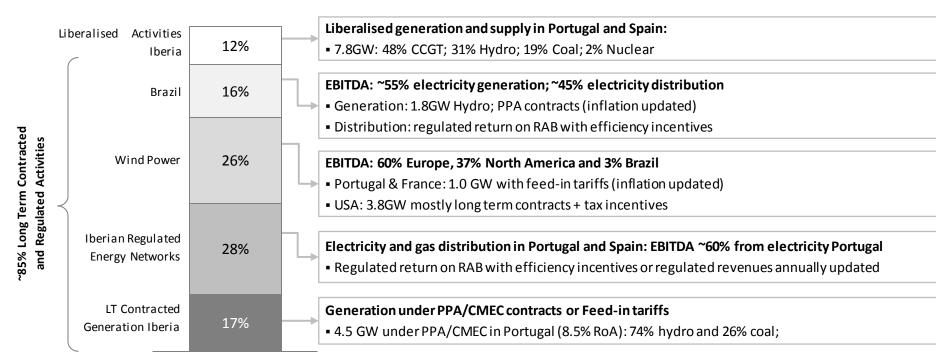
Financials



NEVERENDING ENERGY **POP** 

# Today, EDP has a low risk operating profile with low sensitivity to economic cycles





#### EBITDA 2014E

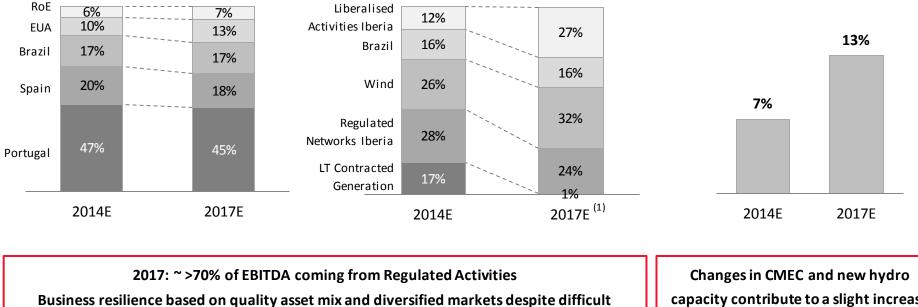
LT Contracted and Regulated activities represent > 85% of EBITDA: Support for a resilient performance

## Diversification of portfolio but low risk business profile will change until 2017



#### EBITDA breakdown by geography and by segment 2014E-2017E

(%)



#### regulatory environments

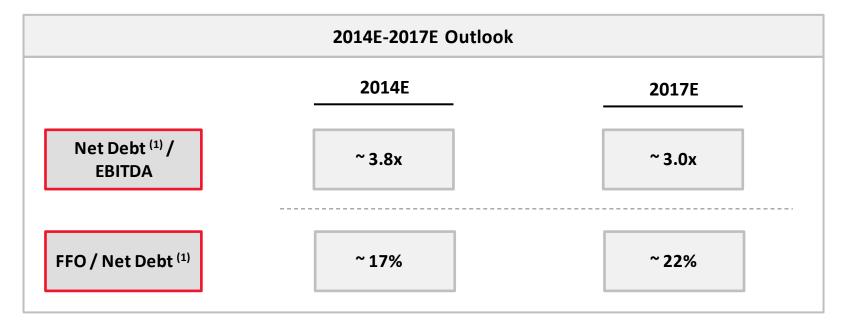
capacity contribute to a slight increase of overall risk position of EDP by 2017

Total EBITDA@risk

(%)

# Improvement of credit ratios will mitigate increase of business risk



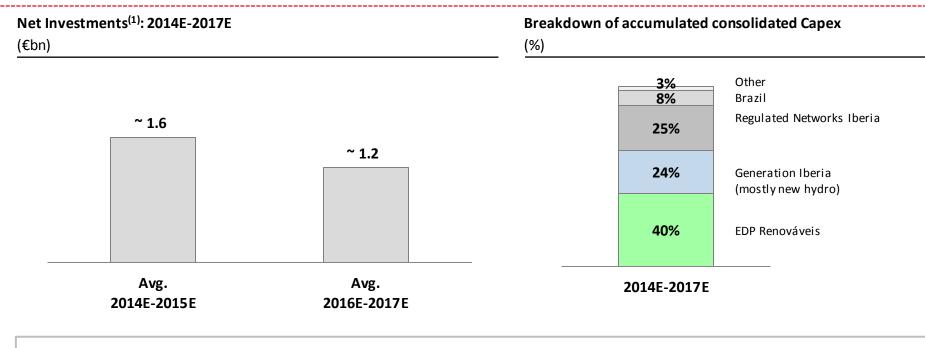


Ratios to improve significantly on lower net investments and new capacity additions

EDP continues strongly committed to its financial deleverage process

### Growth capex focused on wind and hydro





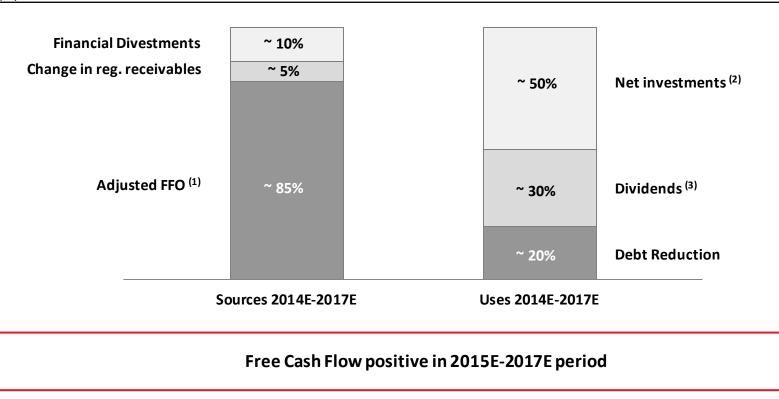
#### Maintenance capex stable at ~0.65bn in the 2014E-17E period

#### EDPR asset rotation: €0.7bn of investment contingent to similar amount of disposals



#### 2014E-2017E: Sources and Uses of Funds

(%)



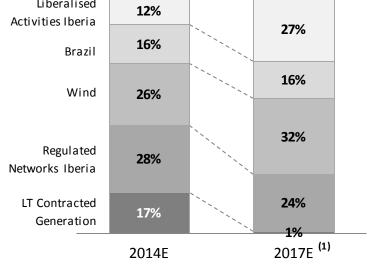
(1) Adjusted FFO includes changes in working capital and excludes changes in regulatory receivables (2) Net of TEI and includes perimeter variations, namely ENEOP consolidation from 2015 onwards

(3) Includes dividends naid to EDP shareholders and minorities

## EBITDA drivers: 2014E-2017E







#### Major Drivers for EBITDA 2014E-2017E

#### Capacity additions:

- Wind power: 500MW<sup>(2)</sup> per year (mostly US)
- Hydro in Portugal: ~250MW in 4Q14; ~960MW in 2H15 and ~250 in 2H16

#### Other contractual issues:

• Expected **assets split at ENEOP in 2015** (EDPR stake: 40%): 534MW of wind in Portugal to move from equity method to full consolidation

Stabilization of regulatory environment

Slight improvement of market conditions in Iberia

Efficiency improvement:

OPEX program implementation

Organic growth supports EBITDA improvement by capacity build-up on wind and hydro

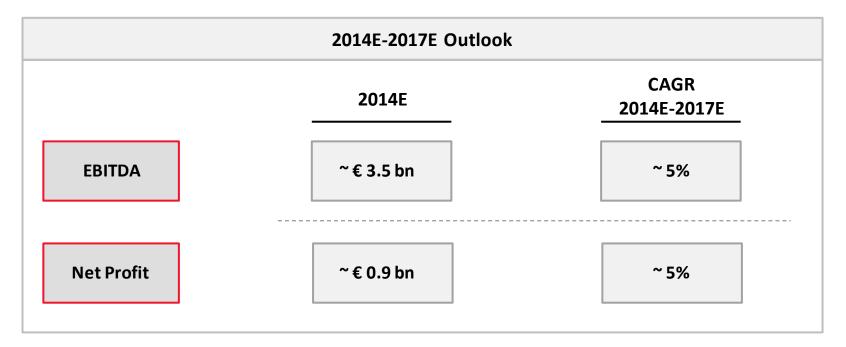
#### Sustained efficiency improvement: fully accretive to EBITDA

(1) Considers all PPA/CMEC generation in the liberalised activities segment for 12-months in 2017

(2) Including ENEOP contribution

# Resilient performance enhanced by diversification and risk management





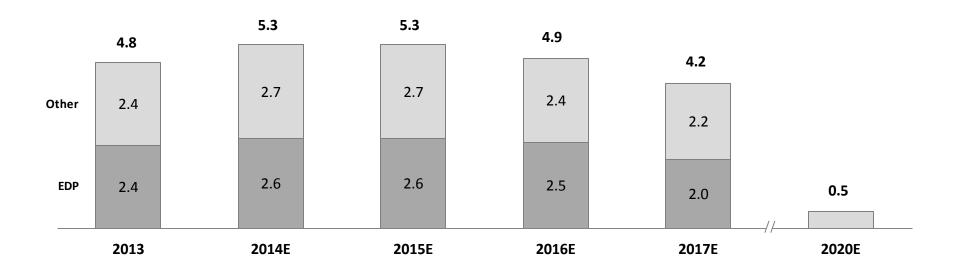
EBITDA and Net Profit 2014 outlook: in line with previous guidance and current consensus EBITDA and Net Profit 2014-17 growth outlook: supported by new hydro and wind capacity

### Portuguese electricity system regulatory receivables to peak in 2015, and converging to zero by 2020



**Electricity Regulatory Receivables - Portugal** 

(€bn)



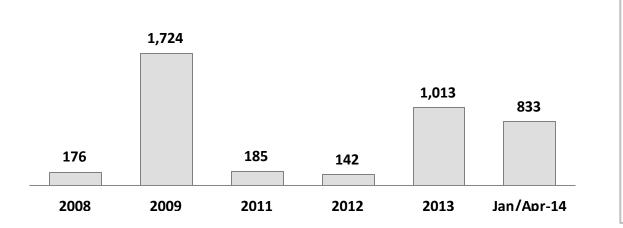
Business Plan 2014E-17E includes €0.8bn/year average securitization of tariff deficit

Regulatory receivables in Portugal with an adequate remuneration and should be eliminated by 2020

# EDP has been conducting several monetisation operations, either by private placements or securitisation



Monetisation of regulatory receivables in the Portuguese electricity system (€bn)



Tariff deficit tranches available for monetization by EDP:

- ~€350m, out of €1,275m deficit created in 2013 to be collected in 2014-17; interest rate of 5.85%%
- €1,534m deficit to be created in 2014 to be collected in 2015-18; (provisional rate of 4.82%)

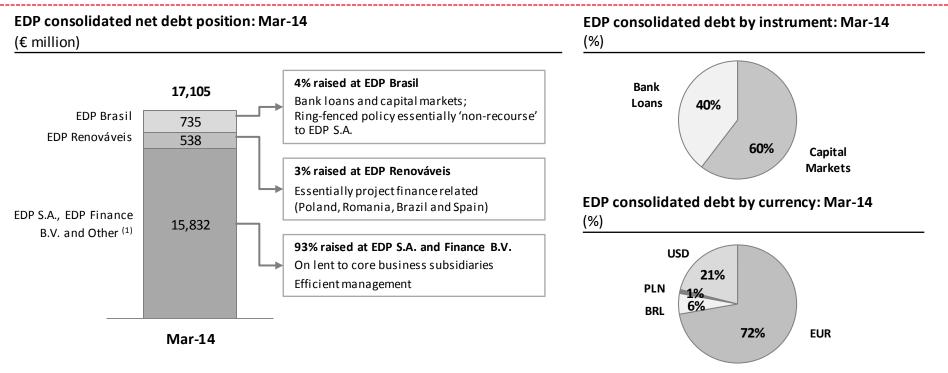
Securitisable deficits with relatively short maturities, low risk and adequate remuneration

- No state guaranty: achievement of a rating higher than the Sovereign's rating
- Excellent track-record of transactions executed

Earnings dilution balance: Selling at least as much as the increase of the year in the balance sheet

## Net debt





Debt essentially issued at holding level through both capital markets (public and private) and bank loans Maintenance of diversified funding sources, targeting both low cost and low risk

(1) Including accrued interest, fair value hedge and collateral deposits associated with debt.



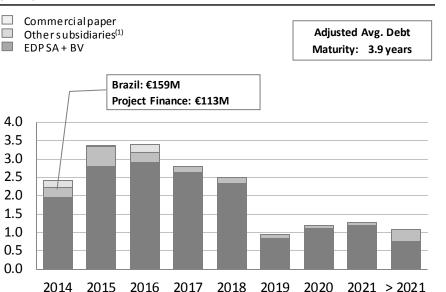
#### Sources of liquidity: Mar-14

(€ m)

Instrument	Maximum Amount	Number of counterparties	Available	Maturity
Revolving Credit Facility	2,000	21	2,000	Nov-15
Domestic Credit Lines	159	8	159	Renewable
Underwritten CP Programmes	100	1	100	Oct-16
Total Credit Lines	2,259		2,259	
Cash & Equivalents:			1,685	
Total Liquidity Available 3,944				

#### EDP consolidated debt maturity profile as of Mar-14





Financial liquidity by Mar-14: €3.9bn

### Main sources and uses of funds

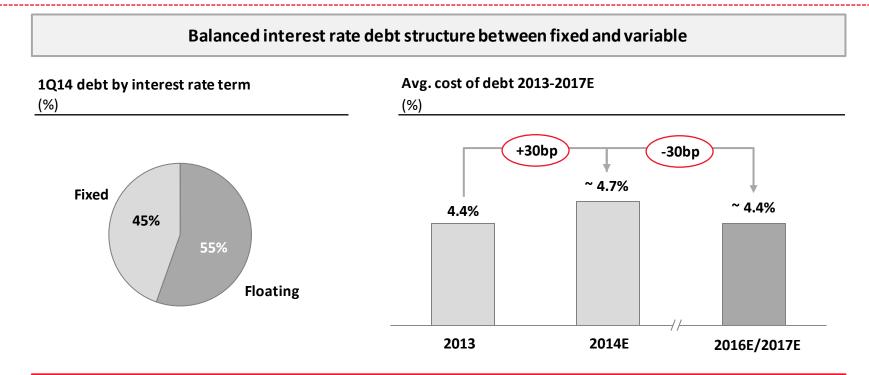


Sources of funds		Use of funds		
<ul> <li>Cash &amp; Equivalents (Mar-14):</li> <li>Available Credit Lines (Mar-14):</li> <li>Eurobond Issue (Apr-14):</li> <li>Securitisations in Portugal (Apr-14):</li> </ul>	€1.7bn €2.3bn €0.65bn €0.75bn	<ul> <li>Refinancing needs in 2014: RCF maturing in Jun-14 Bond maturing in Dec-14 Loans maturing in 2014: Total 2014     </li> </ul>	€1.1bn €0.4bn €0.4bn <b>€1.9bn</b>	
		<ul> <li>Refinancing needs in 2015:</li> </ul>	€2.7bn	
TOTAL	€5.4bn	TOTAL	€4.6bn	

#### Financial liquidity covers refinancing needs until end of 2015

### Average cost of debt





Inflation linked cash flows allow higher weight of floating rates

Lower marginal cost of debt will lead to gradual decrease of average cost of debt

### Main sources of risk to EDP's Business Plan 2014-17



	Risks	Mitigation				
Market environment	<ul> <li>Recovery of demand</li> <li>Decrease of inflation with negative impact in regulated activities</li> <li>Energy market prices</li> </ul>	<ul> <li>Positive signs</li> <li>Hedged provided by floating rates (55%)</li> <li>Hedging Policy</li> </ul>				
Forex and Interest rate	<ul> <li>Market volatility in credit spreads</li> <li>Forex exposure on P&amp;L - Brazilian real and US dollar</li> </ul>	<ul> <li>➡ High financial liquidity</li> <li>➡ Funding in local currency</li> </ul>				
Regulatory Revenues	<ul> <li>More material regulatory/fiscal measures in Iberia</li> <li>Regulatory review in Brazilian distribution</li> </ul>	<ul> <li>➡&gt; Balanced electricity systems reduce probability</li> <li>➡&gt; To be aligned with country risk evolution</li> </ul>				
Regulatory Receivables	<ul> <li>Lower securitization deals than expected</li> <li>Brazil - Mechanism to compensate higher than expected cost of energy</li> </ul>	<ul> <li>➡ Low probability in current market conditions</li> <li>➡ Visibility on most of 2014 needs</li> </ul>				
Disposals Plan	<ul> <li>Investments by China Three Gorges</li> <li>EDPR: Minority disposals to other investors</li> </ul>	<ul> <li>➡ CTG/EDP with aligned interests</li> <li>➡ €0.7bn of investments conditioned by disposals</li> </ul>				
	EDP to preserve its low risk profile					



#### By delivery on its strategy...



#### ... EDP will achieve its targets...

EBITDA	Lower Avg. Net Investment	Net Debt <sup>(1)</sup> /EBITDA	Avg. Cost of Debt
CAGR 14E-17E +~5%	2016E-17E €1.2bn	2017E ~3.0x	2016E/17E ~4.4%

#### ...leading to

#### Free Cash Flow positive in 2015E-17E period

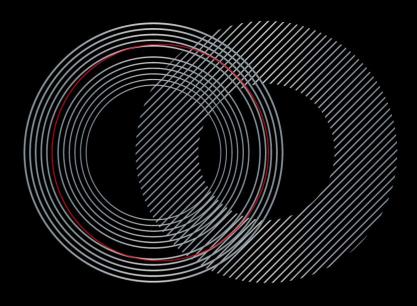
Strong commitment to improve financial leverage and investment grade metrics

## **INVESTOR DAY 2014**

António Mexia, CEO

Conclusions

NEVERENDING ENERGY **EDD** 

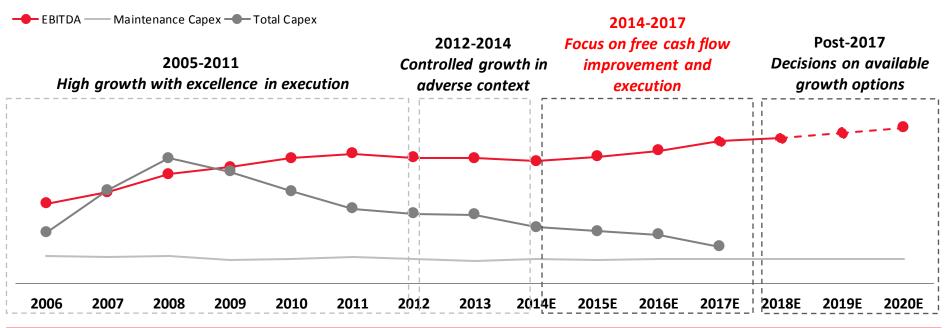


# 2014E-17E to be focused on organic growth execution and free cash-flow improvement



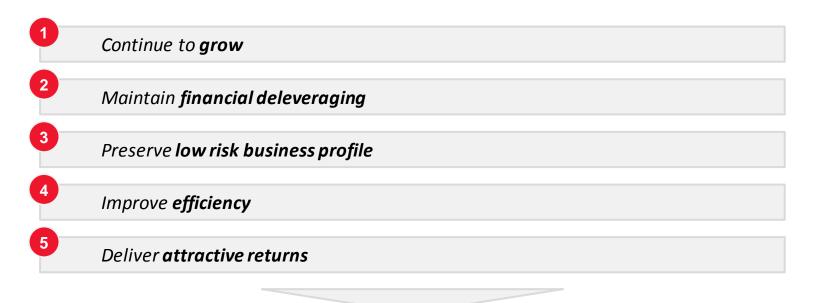
#### **Evolution of Capex and EBITDA**





Short-term operational/financial discipline along with the creation of future growth opportunities leveraging on EDP's distinctive capabilities





Reinforcement of Strategic Agenda

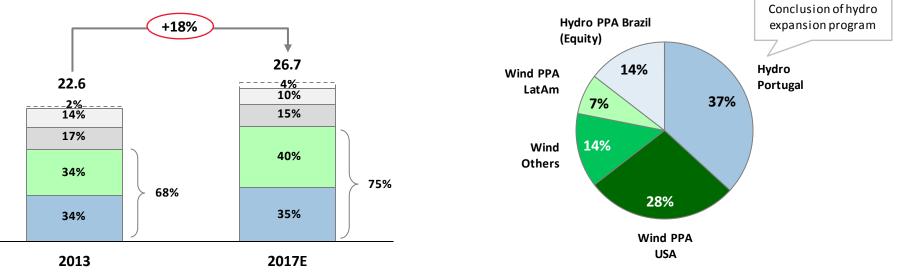
Balancing growth & financial deleverage Focus on profitability & shareholder return

## Growth: +18% capacity increase in 2013-17E



## **EDP Group installed capacity by technology** (GW)

■ Hydro ■ Wind ■ CCGT □ Other □ Equity method consolidation<sup>(1)</sup>



2013-2017E Capacity additions<sup>(2)</sup>

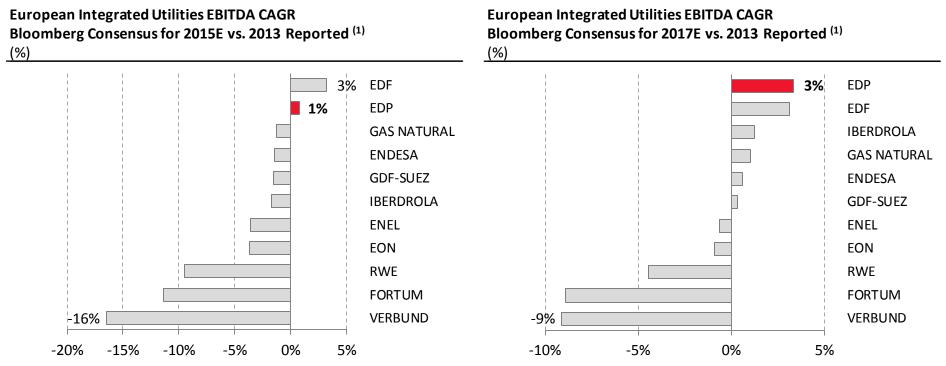
(% of new MW)

#### Organic growth focused on CO<sub>2</sub>-free technologies

#### +4.1GW of wind & hydro capacity until 2017; weight of hydro & wind up from 69% to 75%

- (1) Equity method consolidation: Pecém I (720MW@50%); Jari (373MW@50%) and Cachoeira-caldeirão (219MW@50%)
- (2) Excludes ENEOP wind in Portugal which consolidation method expected to change from equity to full consolidation by 2015

### Growth: EDP's EBITDA targets clearly above market expectations for the sector



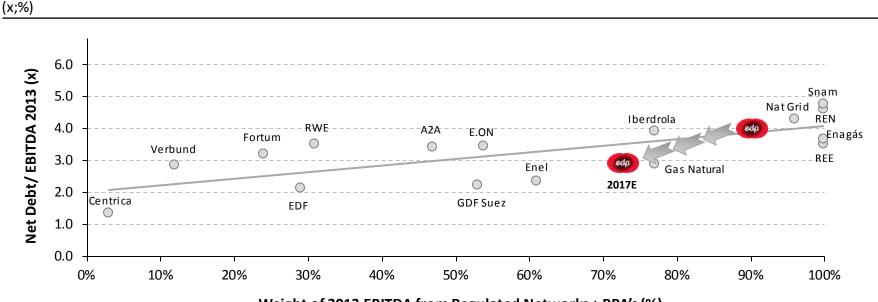
2013-17 growth driven by wind & hydro organic growth execution and efficiency improvements

eda

## Pinancial deleveraging: maintenance of EDP's low risk profile







Weight of 2013 EBITDA from Regulated Networks + PPA's (%)

Gradual termination of PPAs and new stage of CMECs system post 2017 in Portugal:

EDP will continue to be one of the most regulated names amongst integrated European Utilities

# 2 Financial deleveraging: Partnership with CTG and EDPR's asset rotation



#### Main principles of EDP's disposal program:

- Maintenance of operating control of key strategic assets (disposal of stakes ≤ 50%)
- Asset rotation: expected risk/return combination in new projects has to be more attractive than in the deals of disposal of minority stakes in existing projects

#### Disposals to financial/strategic partners allow:

- Risk diversification
- Sharing of economies of scale
- Value crystallisation

#### Partnership with CTG

- Commitment/framework, aligned interests
- CTG Partnership for total €2bn of investments (including co-capex)
- €1bn already agreed (€0.6bn pending financial closing in 2014-15)

#### **EDPR Asset Rotation Strategy**

 €0.7bn on wind capacity investments in 2015-2017 subject to the execution of similar amount of disposals of minority stakes in wind farms under favorable relative risk/return terms

#### Other potential disposals

- No further disposals assumed in this business plan
- Any scenario subject to EDP's main principles for disposals

#### CTG Partnership and EDPR's asset rotation: marginal EPS dilution impact fully reflected in EPS growth target for 2017E

# Low risk: maintenance of diversification in terms of markets and regulatory environments



#### EBITDA Breakdown by Geography

(%)

6%	7%
17%	17%
10%	13%
20%	18%
47%	45%
2014E	2017E

- United States: major growth driver in 2014E-2017E period fully based on wind power additions sold through PPAs
- Portugal: EBITDA growth supported by commissioning of new hydro plants and the asset split of ENEOP consortium (full consolidation of 534MW wind farms from 2015 onwards)
- Brazil: New capacity additions to be mostly equity consolidated
- Creation of growth options post 2017:
  - Focused on technologies where EDP has recognized competitive advantages: **Wind and hydro**
  - Potential markets: Countries with growing energy demand, declining macro risk and sound regulatory/contractual frameworks: LatAm and Southern Africa regions

Focus on key markets while exploring options for future growth (subject to sound regulation/contract frameworks)

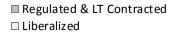
# Low risk: By 2017, EDP will continue to be amongst the most regulated/LTC integrated utilities in Europe

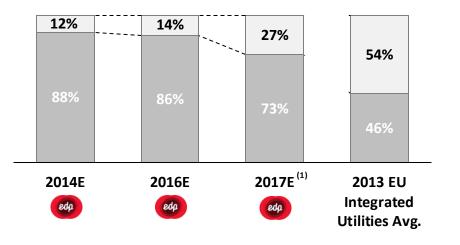


#### EBITDA Breakdown by Business Profile

(%)

3





- Regulated and LT Contracted businesses:
  - Regulatory outlook more stable in Iberia post 2012-14 hits;
  - Networks and renewables: strong portfolio stabilizers (regulated, PPAs & feed-in tariffs).
- Liberalised business supported by:
  - ✓ Assets quality;
  - ✓ Scenario of moderate market recovery;
  - ✓ Strong position in clients;
  - ✓ Good track record in risk management.

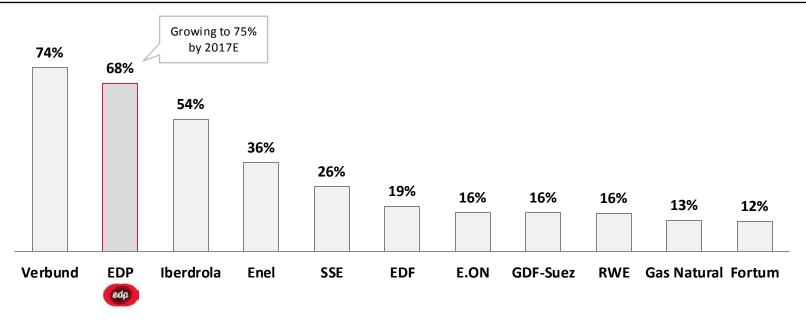
#### Maintenance of relatively low exposure to market volatility

# 3 Low risk: EDP has the 2<sup>nd</sup> highest weight of hydro & wind in Europe

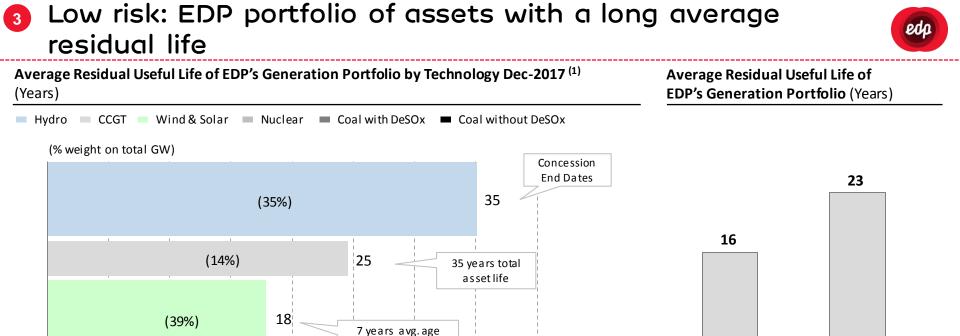
## edp

#### % Weight of Hydro & Wind in 2013 Generation Mix

Major European peers (MW)



Superior asset mix: Low marginal cost, significant weight of electricity sold through PPAs/regulated tariffs



#### Long Average Residual Life of Portfolio in 2017E: 23 years of low exposure to CO<sub>2</sub> and other environmental risks

35

40 Years

Dec-2005

of portfolio

30

25

<del>(1%)</del> 11

10

10

15

20

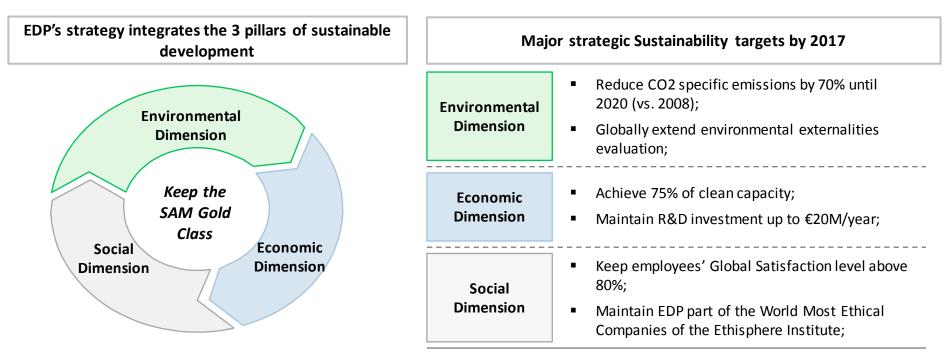
(9%)

5

Dec-2017

### 3 Low risk: Sustainability as an integrated component of EDP's strategy



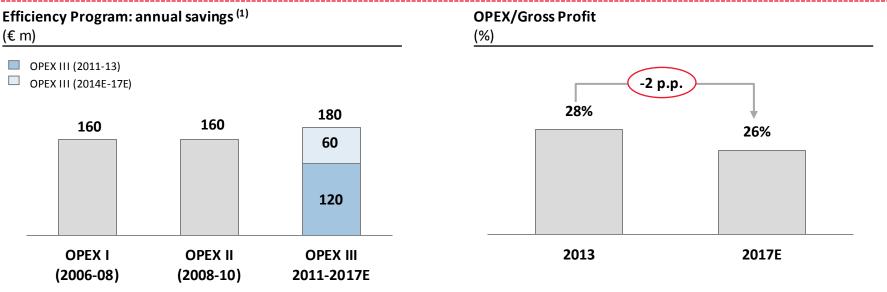


DJ Sustainability Index: EDP with the best score for utilities worldwide in 2013

EDP aims at maintaining a leadership position in terms of sustainability best practices

# Efficiency: OPEX III program cost savings extended to €180m/year by 2017E





 Iberia: Headcount reduction, mostly driven by retirements; Corporate and support functions optimization; Challenging low-inflation environment

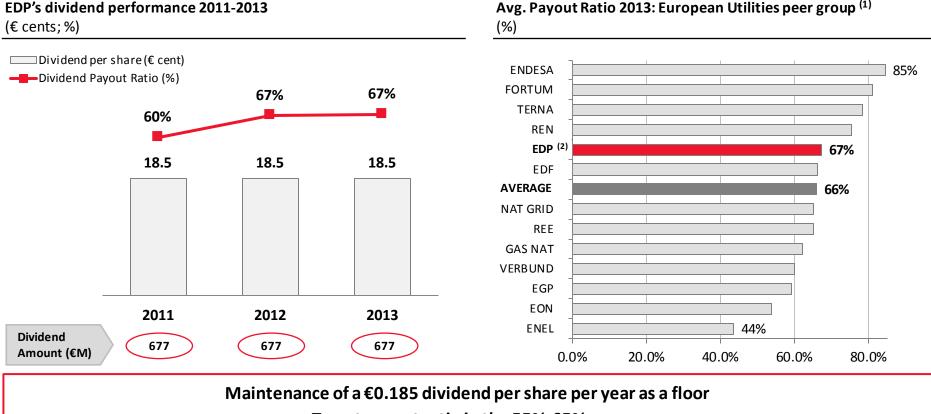
Brazil: Opex evolution below inflation in the period

4

#### Maintaining a leading position in efficiency and lean operations

## <sup>5</sup> Attractive dividend policy 2014E-2017E





#### Target payout ratio in the 55%-65% range

(1) Source: Bloomberg Payout 2013 (based on Adjusted EPS excluding one-offs / special events) and Company Reports

(2) Considering a dividend of €0.185 per share to be proposed and approved in the next AGM, and based on EDP 2013 Net Income of €1,005m.

## EDP strategic agenda...



#### By delivery on its strategy...



#### ... EDP will achieve its targets...

EBITDA & Net Profit	Net Debt <sup>(1)</sup> /EBITDA	Reg. & LT Contracted	Dividend per Share
CAGR 14E-17E +~5%	2017E ~3.0x	EBITDA 2017E >70%	Floor €0.185

#### ...leading to

Balanced growth & deleverage, maintaining controlled risk and attractive returns





